Appendix F

Laboratory Analytical Report

Laboratory Report of Analysis

To: Esker Associates, LLC
P.O. Box 8083
Missoula, MT 59807
406-546-1006

Report Number: **1245700**

Client Project: **6474 - ELIM SHOP**

Dear Adam Johnson,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of ten years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of fourteen (14) days from the date of this report unless other archiving requirements were included in the quote.

If there are any questions about the report or services performed during this project, please call Justin at (907) 562-2343. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Justin Nelson
2024.11.19
15:54:53 -09'00'

Justin Nelson Date
Project Manager
Justin.Nelson@sgs.com

Print Date: 11/18/2024 10:40:54AM

Case Narrative

SGS Client: **Esker Associates, LLC**
SGS Project: **1245700**
Project Name/Site: **6474 - ELIM SHOP**
Project Contact: **Adam Johnson**

Refer to sample receipt form for information on sample condition.

24ELISO-TP08-1.0 (1245700003) PS

8260D - Surrogate recovery for 4-bromofluorobenzene does not meet QC criteria due to matrix interference.
8260D - 1,2,4-trimethylbenzene and naphthalene are reported above the calibration range of the instrument. Sample was analyzed at a dilution outside of hold, results confirm.
AK101 - Surrogate recovery for 4-bromofluorobenzene does not meet QC criteria due to matrix interference.
8270E SIM - PAH surrogate recovery for 2-Methylnaphthalene-d10 does not meet QC criteria due to matrix interference.
8270E SIM - The PAH LOQs are elevated due to sample dilution. The sample was diluted due to high concentrations of nontarget analytes.

24ELISO-TP08-6.0 (1245700004) PS

8270E SIM - PAH LCS recovery for Chrysene does not meet QC criteria.

24ELISO-TP99-1.0 (1245700005) PS

8260D - Surrogate recovery for 4-bromofluorobenzene does not meet QC criteria due to matrix interference.
8260D - 1,2,4-trimethylbenzene and naphthalene are reported above the calibration range of the instrument. Sample was analyzed at a dilution outside of hold, results confirm.
AK101 - Surrogate recovery for 4-bromofluorobenzene does not meet QC criteria due to matrix interference.
8270E SIM - PAH surrogate recovery for 2-Methylnaphthalene-d10 does not meet QC criteria due to matrix interference.
8270E SIM - The PAH LOQs are elevated due to sample dilution. The sample was diluted due to high concentrations of nontarget analytes.
AK102/103 - Surrogate recoveries for 5a-androstane and n-triacontane do not meet QC criteria due to dilution.

24ELISO-TP20-2.0 (1245700006) PS

8270E SIM - PAH surrogate recovery for 2-Methylnaphthalene-d10 does not meet QC criteria due to matrix interference.
8270E SIM - The PAH LOQs are elevated due to sample dilution. The sample was diluted due to high concentrations of nontarget analytes.
8270E SIM - PAH LCS recovery for Chrysene does not meet QC criteria.
AK102/103 - Surrogate recoveries for 5a-androstane and n-triacontane do not meet QC criteria due to dilution.

24ELISO-TP10-3.0 (1245700010) PS

8270E SIM - PAH surrogate recovery for 2-Methylnaphthalene-d10 does not meet QC criteria due to matrix interference.

24ELISO-TP09-10.0 (1245700011) PS

8260D - Sample was analyzed outside of hold time.

24ELISO-TP11-9.0 (1245700015) PS

AK102/103 - Sample was analyzed outside of hold time due to laboratory error.
8270E SIM - PAH sample was extracted outside of hold due to lab error.

24ELISO-TP16-2.0 (1245700016) PS

8260D - Surrogate recovery for 4-bromofluorobenzene does not meet QC criteria due to matrix interference.
AK101 - Surrogate recovery for 4-bromofluorobenzene does not meet QC criteria due to matrix interference.
8270E SIM - PAH surrogate recovery for 2-Methylnaphthalene-d10 and Fluoranthene-d10 do not meet QC criteria due to matrix interference.
8270E SIM - The PAH LOQs are elevated due to sample dilution. The sample was diluted due to high concentrations of nontarget analytes.

24ELISO-TP60-2.0 (1245700017) PS

Case Narrative

SGS Client: **Esker Associates, LLC**
SGS Project: **1245700**
Project Name/Site: **6474 - ELIM SHOP**
Project Contact: **Adam Johnson**

AK101 - Surrogate recovery for 4-bromofluorobenzene does not meet QC criteria due to matrix interference.
8270E SIM - PAH surrogate recovery for 2-Methylnaphthalene-d10 and Fluoranthene-d10 do not meet QC criteria due to matrix interference.
8270E SIM - The PAH LOQs are elevated due to sample dilution. The sample was diluted due to high concentrations of nontarget analytes.

24ELISO-TP19-1.0 (1245700019) PS

AK103 - CCVR recovery for RRO does not meet QC criteria.

24ELISO-TP21-7.0 (1245700020) PS

AK103 - CCVR recovery for RRO does not meet QC criteria.

24ELISO-TP04-8.0 (1245700021) PS

AK103 - CCVR recovery for RRO does not meet QC criteria.

24ELISO-TP01-5.0 (1245700022) PS

AK103 - CCVR recovery for RRO does not meet QC criteria.

24ELISO-TP17-6.0 (1245700023) PS

AK103 - CCVR recovery for RRO does not meet QC criteria.

24ELISO-TP15-5.5 (1245700024) PS

AK103 - CCVR recovery for RRO does not meet QC criteria.

LCS for HBN 1901089 [XXX/50584 (1792810) LCS

8270E SIM - PAH LCS recovery for Chrysene does not meet QC criteria.

LCS for HBN 1901143 [XXX/50592 (1792924) LCS

AK103 - CCVR recovery for RRO does not meet QC criteria.

LCSD for HBN 1901143 [XXX/5059 (1792925) LCSD

AK103 - CCVR recovery for RRO does not meet QC criteria.

1245700017MS (1792932) MS

8270E SIM - PAH MS recovery for several analytes do not meet QC criteria. Refer to the LCS for accuracy requirements.
8270E SIM - PAH surrogate recovery for 2-Methylnaphthalene-d10 and Fluoranthene-d10 do not meet QC criteria due to matrix interference.

1245700017MSD (1792933) MSD

8270E SIM - PAH MSD recovery for several analytes do not meet QC criteria. Refer to the LCS for accuracy requirements.
8270E SIM - PAH MS/MSD RPD for several analytes do not meet QC criteria. Results for these analytes are considered estimated in the parent sample.
8270E SIM - PAH surrogate recovery for 2-Methylnaphthalene-d10 and Fluoranthene-d10 do not meet QC criteria due to matrix interference.

1245578001(1793991MS) (1793992) MS

Case Narrative

SGS Client: **Esker Associates, LLC**
SGS Project: **1245700**
Project Name/Site: **6474 - ELIM SHOP**
Project Contact: **Adam Johnson**

6020B - Metals MS recoveries for several analytes do not meet QC criteria. The bench spike digested was successful.

1245578001(1793991MSD) (1793993) MSD

6020B - Metals MSD recoveries for several analytes do not meet QC criteria. The bench spike digested was successful.
6020B - Metals MS/MSD RPDs for several analytes do not meet QC criteria. Refer to sample duplicate for RPD requirements.

1245578001(1793991DUP) (1793995) DUP

6020B - Metals DUP RPDs for Cadmium and Chromium do not meet QC criteria. Sample is non-homogenous for these analytes.

1245700001(1794046MS) (1794047) MS

8260D - Surrogate recovery for 4-bromofluorobenzene does not meet QC criteria. Sample was analyzed twice, results confirm.

1245700001(1794046MSD) (1794048) MSD

8260D - Surrogate recovery for 4-bromofluorobenzene does not meet QC criteria. Sample was analyzed twice, results confirm.

1245686001(1795092MS) (1795093) MS

8260D - MS recovery for hexachlorobutadiene does not meet QC criteria. Refer to LCS for accuracy requirements.

1245686001(1795092MSD) (1795094) MSD

8260D - MSD recovery for hexachlorobutadiene does not meet QC criteria. Refer to LCS for accuracy requirements.

LCS for HBN 1902251 [VXX/42181 (1796841) LCS

AK101 - LCS recovery for GRO does not meet QC criteria.

LCSD for HBN 1902251 [VXX/4218 (1796842) LCSD

AK101 - LCSD RPD for GRO does not meet QC criteria.

Case Narrative

SGS Client: **Esker Associates, LLC**
SGS Project: **1245700**
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LCSD for HBN 1902332 [XXX/5070 (1796942) LCSD

AK103 - LCSD RPD for RRO does not meet QC criteria.

LCS for HBN 1902334 [XXX/50702 (1796944) LCS

8270E SIM - PAH LCS recovery for Acenaphthene does not meet QC criteria.

1246035007(1797074MS) (1797075) MS

6020B - Metals MS recoveries for several analytes do not meet QC criteria. The bench spike digested was successful.

1246035007(1797074MSD) (1797076) MSD

6020B - Metals MSD recovery for Barium do not meet QC criteria. The bench spike digested was successful.
6020B - Metals MS/MSD RPDs for several analytes do not meet QC criteria. Refer to sample duplicate for RPD requirements.

1246035007(1797074DUP) (1797078) DUP

6020B - Metals DUP RPDs for Cadmium does not meet QC criteria. The sample is non-homogenous for Cadmium.

LCS for HBN 1902470 [VXX/42222 (1797588) LCS

AK101 - LCS spike recovery for GRO does not meet QC criteria.

1245656002MS (1798851) MS

8260D - MS recoveries for o-xylene and 1,2,4-trimethylbenzene do not meet QC criteria. See LCS for accuracy requirements.

1245656002MSD (1798852) MSD

8260D - MSD recoveries for o-xylene and 1,2,4-trimethylbenzene do not meet QC criteria. See LCS for accuracy requirements.

*QC comments may be associated with the field samples found in this report. When applicable, comments will be applied to associated field samples.

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Report of Manual Integrations

Laboratory ID	Client Sample ID	Analytical Batch	Analyte	Reason
8270E SIM (PAH)				
1245700016	24ELISO-TP16-2.0	XMS14687	Acenaphthene	SP
1245700016	24ELISO-TP16-2.0	XMS14687	Fluorene	SP
1245700017	24ELISO-TP60-2.0	XMS14687	Acenaphthene	SP
1245700017	24ELISO-TP60-2.0	XMS14687	Fluorene	SP
1792932	1245700017MS	XMS14687	Acenaphthene	SP
1792932	1245700017MS	XMS14687	Anthracene	RP
1792932	1245700017MS	XMS14687	Fluorene	SP
1792933	1245700017MSD	XMS14687	Acenaphthene	SP
1792933	1245700017MSD	XMS14687	Anthracene	RP
1792933	1245700017MSD	XMS14687	Fluorene	SP
1796945	1246182009MS	XMS14709	Benzo[k]fluoranthene	RP
1800587	CVC for HBN 1903646 [XMS/14687	XMS14687	Benzo[k]fluoranthene	RP
SW8260D				
1245700003	24ELISO-TP08-1.0	VMS23784	n-Butylbenzene	SP
1245700005	24ELISO-TP99-1.0	VMS23784	n-Butylbenzene	SP
1245700020	24ELISO-TP21-7.0	VMS23780	Naphthalene	SP
1795092	LABREFQC	VMS23784	Naphthalene	SP

Manual Integration Reason Code Descriptions

Code	Description
O	Original Chromatogram
M	Modified Chromatogram
SS	Skimmed surrogate
BLG	Closed baseline gap
RP	Reassign peak name
PIR	Pattern integration required
IT	Included tail
SP	Split peak
RSP	Removed split peak
FPS	Forced peak start/stop
BLC	Baseline correction
PNF	Peak not found by software

All DRO/RRO analysis are integrated per SOP.

Laboratory Qualifiers

Enclosed are the analytical results associated with the above work order. The results apply to the samples as received. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indenmification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the context or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS maintains a formal Quality Assurance/Quality Control (QA/QC) program. A copy of our Quality Assurance Plan (QAP), which outlines this program, is available at your request. The laboratory certification numbers are AK00971 (DW Chemistry & Microbiology) & 17-021 (CS) for ADEC and 2944.01 for DOD ELAP/ISO17025 (RCRA methods: 1020B, 1311, 3010A, 3050B, 3520C, 3550C, 5030B, 5035A, 6020B, 7470A, 7471B, 8015C, 8021B, 8082A, 8260D, 8270E, 8270E-SIM, 9040C, 9045D, 9056A, 9060A, AK101 and AK102/103). SGS is only certified for the analytes listed on our Drinking Water Certification (DW methods: 200.8, 2130B, 2320B, 2510B, 300.0, 4500-CN-C,E, 4500-H-B, 4500-NO3-F, 4500-P-E and 524.2) and only those analytes will be reported to the State of Alaska for compliance. Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP and, when applicable, other regulatory authorities.

The following descriptors or qualifiers may be found in your report:

*	The analyte has exceeded allowable regulatory or control limits.
!	Surrogate out of control limits.
B	Indicates the analyte is found in a blank associated with the sample.
CCV/CVA/CVB	Continuing Calibration Verification
CCCV/CVC/CVCA/CVCB	Closing Continuing Calibration Verification
CL	Control Limit
DF	Analytical Dilution Factor
DL	Detection Limit (i.e., maximum method detection limit)
E	The analyte result is above the calibrated range.
GT	Greater Than
IB	Instrument Blank
ICV	Initial Calibration Verification
J	The quantitation is an estimation.
LCS(D)	Laboratory Control Spike (Duplicate)
LLQC/LLIQC	Low Level Quantitation Check
LOD	Limit of Detection (i.e., 3/4 of the LOQ)
LOQ	Limit of Quantitation (i.e., reporting or practical quantitation limit)
LT	Less Than
MB	Method Blank
MS(D)	Matrix Spike (Duplicate)
ND	Indicates the analyte is not detected.
RPD	Relative Percent Difference
TNTC	Too Numerous To Count
U	Indicates the analyte was analyzed for but not detected.

Note: Sample summaries which include a result for "Total Solids" have already been adjusted for moisture content. All DRO/RRO analyses are integrated per SOP.

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Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
24ELISO-TP03-7.0	1245700001	09/25/2024	09/30/2024	Soil/Solid (dry weight)
24ELISP-TP02-9.5	1245700002	09/25/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP08-1.0	1245700003	09/25/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP08-6.0	1245700004	09/25/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP99-1.0	1245700005	09/25/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP20-2.0	1245700006	09/25/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP14-8.0	1245700007	09/25/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP13-9.0	1245700008	09/26/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP06-9.0	1245700009	09/26/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP10-3.0	1245700010	09/26/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP09-10.0	1245700011	09/26/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP05-4.0	1245700012	09/26/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP12-9.0	1245700013	09/26/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP20-9.0	1245700014	09/26/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP11-9.0	1245700015	09/27/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP16-2.0	1245700016	09/27/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP60-2.0	1245700017	09/27/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP16-5.0	1245700018	09/27/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP19-1.0	1245700019	09/27/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP21-7.0	1245700020	09/27/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP04-8.0	1245700021	09/27/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP01-5.0	1245700022	09/27/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP17-6.0	1245700023	09/27/2024	09/30/2024	Soil/Solid (dry weight)
24ELISO-TP15-5.5	1245700024	09/27/2024	09/30/2024	Soil/Solid (dry weight)
Trip Blank 1	1245700025	09/25/2024	09/30/2024	Soil/Solid (dry weight)
Trip Blank 2	1245700026	09/25/2024	09/30/2024	Soil/Solid (dry weight)

Method	Method Description
SW8260D	VOC 8260 (S) Field Extracted
8270E SIM (PAH)	8270 PAH SIM Semi-Volatiles GC/MS
AK103	Diesel/Residual Range Organics
AK102	Diesel/Residual Range Organics
SW6020B	Metals by ICP-MS (S)
SM21 2540G	Percent Solids SM2540G
AK101	Gasoline Range Organics (S)

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Detectable Results Summary

Client Sample ID: **24ELISO-TP03-7.0**
Lab Sample ID: 1245700001

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	6.76	mg/kg
	Barium	86.2	mg/kg
	Cadmium	0.178J	mg/kg
	Chromium	14.7	mg/kg
	Lead	8.63	mg/kg
	Selenium	1.84J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	25.3J	mg/kg
	Residual Range Organics	412	mg/kg

Client Sample ID: **24ELISP-TP02-9.5**
Lab Sample ID: 1245700002

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	4.21	mg/kg
	Barium	85.4	mg/kg
	Cadmium	0.479	mg/kg
	Chromium	53.4	mg/kg
	Lead	13.1	mg/kg
	Selenium	6.90	mg/kg
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	12.3J	ug/kg
	2-Methylnaphthalene	15.3J	ug/kg
	Naphthalene	10.3J	ug/kg
Semivolatile Organic Fuels	Residual Range Organics	68.9J	mg/kg

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Detectable Results Summary

Client Sample ID: **24ELISO-TP08-1.0**
Lab Sample ID: 1245700003

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	3.50	mg/kg
	Barium	37.9	mg/kg
	Cadmium	0.273	mg/kg
	Chromium	7.75	mg/kg
	Lead	7.74	mg/kg
	Selenium	0.699J	mg/kg
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	106000	ug/kg
	2-Methylnaphthalene	125000	ug/kg
	Acenaphthene	1720	ug/kg
	Acenaphthylene	840J	ug/kg
	Fluorene	3490	ug/kg
	Naphthalene	46400	ug/kg
	Phenanthrene	1010J	ug/kg
Semivolatile Organic Fuels	Diesel Range Organics	25800	mg/kg
	Residual Range Organics	9380	mg/kg
Volatile Fuels	Gasoline Range Organics	81.2	mg/kg
Volatile GC/MS	1,2,4-Trimethylbenzene	34600	ug/kg
	1,3,5-Trimethylbenzene	14000	ug/kg
	4-Isopropyltoluene	9920	ug/kg
	Isopropylbenzene (Cumene)	508	ug/kg
	Naphthalene	39400	ug/kg
	n-Butylbenzene	8650	ug/kg
	n-Propylbenzene	2190	ug/kg
	o-Xylene	1790	ug/kg
	P & M -Xylene	1300	ug/kg
	sec-Butylbenzene	3030	ug/kg
	Xylenes (total)	3090	ug/kg

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Detectable Results Summary

Client Sample ID: **24ELISO-TP08-6.0**
Lab Sample ID: 1245700004

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	6.34	mg/kg
	Barium	117	mg/kg
	Cadmium	0.604	mg/kg
	Chromium	19.6	mg/kg
	Lead	133	mg/kg
	Mercury	0.231J	mg/kg
	Selenium	1.35J	mg/kg
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	32.2J	ug/kg
	2-Methylnaphthalene	40.4	ug/kg
	Benzo(a)Anthracene	9.92J	ug/kg
	Benzo[a]pyrene	13.1J	ug/kg
	Benzo[b]Fluoranthene	11.9J	ug/kg
	Benzo[g,h,i]perylene	16.7J	ug/kg
	Chrysene	21.2J	ug/kg
	Fluoranthene	33.7J	ug/kg
	Naphthalene	25.6J	ug/kg
	Pyrene	15.4J	ug/kg
Semivolatile Organic Fuels	Diesel Range Organics	214	mg/kg
	Residual Range Organics	1220	mg/kg
Volatile Fuels	Gasoline Range Organics	2.28J	mg/kg
Volatile GC/MS	Acetone	438J	ug/kg
	Methylene chloride	89.3J	ug/kg
	Naphthalene	40.3J	ug/kg
	Trichlorofluoromethane	124	ug/kg

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Detectable Results Summary

Client Sample ID: **24ELISO-TP99-1.0**
Lab Sample ID: 1245700005

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	4.43	mg/kg
	Barium	41.0	mg/kg
	Cadmium	0.284	mg/kg
	Chromium	9.24	mg/kg
	Lead	6.35	mg/kg
	Selenium	0.762J	mg/kg
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	120000	ug/kg
	2-Methylnaphthalene	150000	ug/kg
	Acenaphthene	2150J	ug/kg
	Acenaphthylene	1050J	ug/kg
	Fluorene	4370	ug/kg
	Naphthalene	56800	ug/kg
	Phenanthrene	1190J	ug/kg
Semivolatile Organic Fuels	Diesel Range Organics	29500	mg/kg
	Residual Range Organics	11000	mg/kg
Volatile Fuels	Gasoline Range Organics	77.6	mg/kg
Volatile GC/MS	1,2,4-Trimethylbenzene	39400	ug/kg
	1,3,5-Trimethylbenzene	15600	ug/kg
	4-Isopropyltoluene	11200	ug/kg
	Isopropylbenzene (Cumene)	590	ug/kg
	Naphthalene	47000	ug/kg
	n-Butylbenzene	10300	ug/kg
	n-Propylbenzene	2730	ug/kg
	o-Xylene	1910	ug/kg
	P & M -Xylene	1510	ug/kg
	sec-Butylbenzene	3490	ug/kg
	Xylenes (total)	3420	ug/kg

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Detectable Results Summary

Client Sample ID: **24ELISO-TP20-2.0**
Lab Sample ID: 1245700006

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	2.94	mg/kg
	Barium	33.7	mg/kg
	Cadmium	0.279	mg/kg
	Chromium	14.0	mg/kg
	Lead	6.29	mg/kg
	Selenium	1.03J	mg/kg
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	5240	ug/kg
	2-Methylnaphthalene	3660	ug/kg
	Acenaphthene	292J	ug/kg
	Anthracene	707	ug/kg
	Benzo(a)Anthracene	186J	ug/kg
	Benzo[g,h,i]perylene	244J	ug/kg
	Chrysene	195J	ug/kg
	Fluoranthene	485J	ug/kg
	Fluorene	731	ug/kg
	Naphthalene	3720	ug/kg
	Phenanthrene	963	ug/kg
	Pyrene	784	ug/kg
Semivolatile Organic Fuels	Diesel Range Organics	12400	mg/kg
	Residual Range Organics	47700	mg/kg
Volatile Fuels	Gasoline Range Organics	12.6	mg/kg
Volatile GC/MS	1,2,4-Trimethylbenzene	1120	ug/kg
	1,3,5-Trimethylbenzene	2270	ug/kg
	Ethylbenzene	29.7J	ug/kg
	Isopropylbenzene (Cumene)	15.0J	ug/kg
	Naphthalene	3220	ug/kg
	n-Propylbenzene	39.1	ug/kg
	o-Xylene	426	ug/kg
	P & M -Xylene	138	ug/kg
	sec-Butylbenzene	64.7	ug/kg
	Xylenes (total)	564	ug/kg

Detectable Results Summary

Client Sample ID: **24ELISO-TP14-8.0**
Lab Sample ID: 1245700007

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	8.21	mg/kg
	Barium	147	mg/kg
	Cadmium	0.416	mg/kg
	Chromium	23.9	mg/kg
	Lead	81.3	mg/kg
	Mercury	0.128J	mg/kg
	Selenium	1.66J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	110	mg/kg
	Residual Range Organics	628	mg/kg
Volatile GC/MS	4-Isopropyltoluene	156J	ug/kg
	Acetone	848	ug/kg
	Methylene chloride	67.0J	ug/kg
	Naphthalene	25.6J	ug/kg
	Toluene	17.5J	ug/kg

Client Sample ID: **24ELISO-TP13-9.0**
Lab Sample ID: 1245700008

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	8.77	mg/kg
	Barium	299	mg/kg
	Cadmium	0.256	mg/kg
	Chromium	32.4	mg/kg
	Lead	16.4	mg/kg
	Selenium	1.43J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	24.2J	mg/kg
	Residual Range Organics	128J	mg/kg
Volatile GC/MS	Acetone	210J	ug/kg
	Methylene chloride	75.2J	ug/kg
	Naphthalene	18.5J	ug/kg

Client Sample ID: **24ELISO-TP06-9.0**
Lab Sample ID: 1245700009

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	8.91	mg/kg
	Barium	174	mg/kg
	Cadmium	0.255	mg/kg
	Chromium	29.1	mg/kg
	Lead	14.8	mg/kg
	Selenium	1.20J	mg/kg
Semivolatile Organic Fuels	Residual Range Organics	73.2J	mg/kg
Volatile GC/MS	Methylene chloride	72.1J	ug/kg

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Detectable Results Summary

Client Sample ID: **24ELISO-TP10-3.0**
Lab Sample ID: 1245700010

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	2.84	mg/kg
	Barium	31.6	mg/kg
	Cadmium	0.167J	mg/kg
	Chromium	6.06	mg/kg
	Lead	3.75	mg/kg
	Selenium	1.15J	mg/kg
Polynuclear Aromatics GC/MS	Pyrene	9.47J	ug/kg
Semivolatile Organic Fuels	Diesel Range Organics	414	mg/kg
	Residual Range Organics	456	mg/kg
Volatile GC/MS	Methylene chloride	53.8J	ug/kg

Client Sample ID: **24ELISO-TP09-10.0**
Lab Sample ID: 1245700011

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	5.57	mg/kg
	Barium	74.9	mg/kg
	Cadmium	0.562	mg/kg
	Chromium	20.2	mg/kg
	Lead	10.1	mg/kg
	Selenium	1.13J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	12.4J	mg/kg
	Residual Range Organics	87.8J	mg/kg
Volatile GC/MS	Methylene chloride	88.2J	ug/kg

Client Sample ID: **24ELISO-TP05-4.0**
Lab Sample ID: 1245700012

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	5.42	mg/kg
	Barium	72.8	mg/kg
	Cadmium	0.297	mg/kg
	Chromium	16.1	mg/kg
	Lead	8.85	mg/kg
	Selenium	1.48J	mg/kg
Semivolatile Organic Fuels	Residual Range Organics	67.4J	mg/kg
Volatile GC/MS	Naphthalene	18.1J	ug/kg

Client Sample ID: **24ELISO-TP12-9.0**
Lab Sample ID: 1245700013

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	7.37	mg/kg
	Barium	111	mg/kg
	Cadmium	0.190J	mg/kg
	Chromium	20.2	mg/kg
	Lead	10.4	mg/kg
	Selenium	1.81J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	16.7J	mg/kg
	Residual Range Organics	149	mg/kg
Volatile GC/MS	Naphthalene	14.9J	ug/kg

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Detectable Results Summary

Client Sample ID: **24ELISO-TP20-9.0**
Lab Sample ID: 1245700014

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	8.95	mg/kg
	Barium	130	mg/kg
	Cadmium	0.280	mg/kg
	Chromium	24.8	mg/kg
	Lead	12.7	mg/kg
	Selenium	1.68J	mg/kg
Semivolatile Organic Fuels	Residual Range Organics	113J	mg/kg

Client Sample ID: **24ELISO-TP11-9.0**
Lab Sample ID: 1245700015

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	7.72	mg/kg
	Barium	181	mg/kg
	Cadmium	0.486	mg/kg
	Chromium	32.6	mg/kg
	Lead	13.2	mg/kg
	Mercury	0.0967J	mg/kg
	Selenium	1.14J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	32.2	mg/kg
	Residual Range Organics	54.5J	mg/kg

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Detectable Results Summary

Client Sample ID: **24ELISO-TP16-2.0**
Lab Sample ID: 1245700016

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	3.26	mg/kg
	Barium	49.7	mg/kg
	Cadmium	0.306	mg/kg
	Chromium	9.16	mg/kg
	Lead	5.86	mg/kg
	Selenium	1.46J	mg/kg
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	12100	ug/kg
	2-Methylnaphthalene	8290	ug/kg
	Acenaphthene	254J	ug/kg
	Acenaphthylene	476J	ug/kg
	Fluorene	1590	ug/kg
	Naphthalene	2950	ug/kg
	Phenanthrene	4830	ug/kg
Semivolatile Organic Fuels	Diesel Range Organics	8050	mg/kg
	Residual Range Organics	346J	mg/kg
Volatile Fuels	Gasoline Range Organics	26.3	mg/kg
Volatile GC/MS	1,2,4-Trimethylbenzene	367	ug/kg
	1,3,5-Trimethylbenzene	525	ug/kg
	4-Isopropyltoluene	1040	ug/kg
	Methylene chloride	57.9J	ug/kg
	Naphthalene	1860	ug/kg
	o-Xylene	54.0	ug/kg
	sec-Butylbenzene	38.2	ug/kg
	Xylenes (total)	54.0J	ug/kg

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Detectable Results Summary

Client Sample ID: **24ELISO-TP60-2.0**
Lab Sample ID: 1245700017

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	3.16	mg/kg
	Barium	46.0	mg/kg
	Cadmium	0.274	mg/kg
	Chromium	8.60	mg/kg
	Lead	5.82	mg/kg
	Selenium	1.28J	mg/kg
Polynuclear Aromatics GC/MS	1-Methylnaphthalene	11000	ug/kg
	2-Methylnaphthalene	7860	ug/kg
	Acenaphthene	197J	ug/kg
	Acenaphthylene	411J	ug/kg
	Fluorene	1390	ug/kg
	Naphthalene	2490	ug/kg
	Phenanthrene	4380	ug/kg
Semivolatile Organic Fuels	Diesel Range Organics	7980	mg/kg
	Residual Range Organics	324J	mg/kg
Volatile Fuels	Gasoline Range Organics	34.8	mg/kg
Volatile GC/MS	1,2,4-Trimethylbenzene	374	ug/kg
	1,3,5-Trimethylbenzene	492	ug/kg
	4-Isopropyltoluene	1070	ug/kg
	Methylene chloride	57.1J	ug/kg
	Naphthalene	1890	ug/kg
	o-Xylene	53.1	ug/kg
	sec-Butylbenzene	41.4	ug/kg
	tert-Butylbenzene	38.5	ug/kg
	Xylenes (total)	53.1J	ug/kg

Client Sample ID: **24ELISO-TP16-5.0**
Lab Sample ID: 1245700018

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	5.74	mg/kg
	Barium	80.9	mg/kg
	Cadmium	0.294	mg/kg
	Chromium	23.3	mg/kg
	Lead	17.8	mg/kg
	Selenium	1.27J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	12.7J	mg/kg
	Residual Range Organics	69.4J	mg/kg
Volatile Fuels	Gasoline Range Organics	1.43J	mg/kg
Volatile GC/MS	Methylene chloride	55.3J	ug/kg
	Naphthalene	70.6	ug/kg

Detectable Results Summary

Client Sample ID: **24ELISO-TP19-1.0**
Lab Sample ID: 1245700019

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	3.48	mg/kg
	Barium	39.1	mg/kg
	Cadmium	1.76	mg/kg
	Chromium	11.6	mg/kg
	Lead	3.79	mg/kg
	Selenium	1.33J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	171	mg/kg
	Residual Range Organics	571	mg/kg
Volatile GC/MS	Methylene chloride	57.1J	ug/kg
	Naphthalene	17.8J	ug/kg

Client Sample ID: **24ELISO-TP21-7.0**
Lab Sample ID: 1245700020

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	4.94	mg/kg
	Barium	136	mg/kg
	Cadmium	0.250J	mg/kg
	Chromium	20.2	mg/kg
	Lead	10.5	mg/kg
	Selenium	2.12J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	158	mg/kg
	Residual Range Organics	1520	mg/kg
Volatile GC/MS	Acetone	1040	ug/kg
	Methylene chloride	119J	ug/kg
	Naphthalene	26.8J	ug/kg

Client Sample ID: **24ELISO-TP04-8.0**
Lab Sample ID: 1245700021

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	8.01	mg/kg
	Barium	138	mg/kg
	Cadmium	0.273	mg/kg
	Chromium	27.5	mg/kg
	Lead	13.5	mg/kg
	Selenium	1.73J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	20.6J	mg/kg
	Residual Range Organics	139	mg/kg
Volatile GC/MS	Methylene chloride	57.3J	ug/kg

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Detectable Results Summary

Client Sample ID: **24ELISO-TP01-5.0**
Lab Sample ID: 1245700022

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	5.85	mg/kg
	Barium	127	mg/kg
	Cadmium	0.309	mg/kg
	Chromium	23.6	mg/kg
	Lead	12.1	mg/kg
	Mercury	0.0905J	mg/kg
	Selenium	1.29J	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	64.9	mg/kg
	Residual Range Organics	592	mg/kg
Volatile GC/MS	Acetone	700	ug/kg
	Methylene chloride	70.1J	ug/kg

Client Sample ID: **24ELISO-TP17-6.0**
Lab Sample ID: 1245700023

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	5.12	mg/kg
	Barium	65.1	mg/kg
	Cadmium	0.194J	mg/kg
	Chromium	11.8	mg/kg
	Lead	7.52	mg/kg
Semivolatile Organic Fuels	Diesel Range Organics	35.4	mg/kg
	Residual Range Organics	326	mg/kg
Volatile GC/MS	Acetone	442	ug/kg
	Methylene chloride	61.8J	ug/kg

Client Sample ID: **24ELISO-TP15-5.5**
Lab Sample ID: 1245700024

	Parameter	Result	Units
Metals by ICP/MS	Arsenic	8.51	mg/kg
	Barium	109	mg/kg
	Cadmium	0.301	mg/kg
	Chromium	43.4	mg/kg
	Lead	193	mg/kg
	Selenium	1.07J	mg/kg
Polynuclear Aromatics GC/MS	Fluoranthene	23.6J	ug/kg
	Phenanthrene	11.0J	ug/kg
	Pyrene	23.5J	ug/kg
Semivolatile Organic Fuels	Diesel Range Organics	95.6	mg/kg
	Residual Range Organics	812	mg/kg
Volatile GC/MS	4-Isopropyltoluene	93.6J	ug/kg
	Acetone	670	ug/kg
	Toluene	31.8J	ug/kg
	Trichlorofluoromethane	105	ug/kg

Results of **24ELISO-TP03-7.0**

Client Sample ID: **24ELISO-TP03-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700001
Lab Project ID: 1245700

Collection Date: 09/25/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.2
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	6.76		1.42	0.440	1.06	mg/kg	10		10/18/24 19:46
Barium	86.2		0.426	0.134	0.320	mg/kg	10		10/18/24 19:46
Cadmium	0.178	J	0.284	0.0881	0.213	mg/kg	10		10/18/24 19:46
Chromium	14.7		1.42	0.440	1.06	mg/kg	10		10/18/24 19:46
Lead	8.63		0.284	0.0881	0.213	mg/kg	10		10/18/24 19:46
Mercury	0.213	U	0.284	0.0995	0.213	mg/kg	10		10/18/24 19:46
Selenium	1.84	J	2.84	0.881	2.13	mg/kg	10		10/18/24 19:46
Silver	0.532	U	0.710	0.213	0.532	mg/kg	10		10/18/24 19:46

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 19:46
Container ID: 1245700001-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.003 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP03-7.0**

Client Sample ID: **24ELISO-TP03-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700001
Lab Project ID: 1245700

Collection Date: 09/25/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.2
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
2-Methylnaphthalene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Acenaphthene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Acenaphthylene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Anthracene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Benzo(a)Anthracene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Benzo[a]pyrene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Benzo[b]Fluoranthene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Benzo[g,h,i]perylene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Benzo[k]fluoranthene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Chrysene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Dibenzo[a,h]anthracene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Fluoranthene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Fluorene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Indeno[1,2,3-c,d] pyrene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Naphthalene	21.1	U	28.1	7.02	21.1	ug/kg	1		11/08/24 11:26
Phenanthrene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Pyrene	26.3	U	35.1	8.77	26.3	ug/kg	1		11/08/24 11:26
Surrogates									
2-Methylnaphthalene-d10 (surr)	105		63-126			%	1		11/08/24 11:26
Fluoranthene-d10 (surr)	102		54-143			%	1		11/08/24 11:26

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 11:26
Container ID: 1245700001-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.855 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP03-7.0**

Client Sample ID: **24ELISO-TP03-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700001
Lab Project ID: 1245700

Collection Date: 09/25/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.2
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	25.3	J	28.1	12.6	21.1	mg/kg	1		11/06/24 18:39
Surrogates									
5a Androstane (surr)	89.4		50-150			%	1		11/06/24 18:39

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 18:39
Container ID: 1245700001-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.855 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	412		140	60.3	105	mg/kg	1		11/06/24 18:39
Surrogates									
n-Triacontane-d62 (surr)	87.7		50-150			%	1		11/06/24 18:39

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/06/24 18:39
Container ID: 1245700001-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.855 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP03-7.0**

Client Sample ID: **24ELISO-TP03-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700001
Lab Project ID: 1245700

Collection Date: 09/25/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.2
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	4.26	U	5.68	1.71	4.26	mg/kg	1		10/22/24 22:01
Surrogates									
4-Bromofluorobenzene (surr)	97.4		50-150			%	1		10/22/24 22:01

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/22/24 22:01
Container ID: 1245700001-B

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 09/25/24 14:20
Prep Initial Wt./Vol.: 50.07 g
Prep Extract Vol: 39.937 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP03-7.0**

Client Sample ID: **24ELISO-TP03-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700001
Lab Project ID: 1245700

Collection Date: 09/25/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.2
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	34.1	U	45.5	14.1	34.1	ug/kg	1		10/09/24 13:43
1,1,1-Trichloroethane	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
1,1,2,2-Tetrachloroethane	3.41	U	4.55	1.41	3.41	ug/kg	1		10/09/24 13:43
1,1,2-Trichloroethane	1.70	U	2.27	1.14	1.70	ug/kg	1		10/09/24 13:43
1,1-Dichloroethane	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
1,1-Dichloroethene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
1,1-Dichloropropene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
1,2,3-Trichlorobenzene	170	U	227	68.2	170	ug/kg	1		10/09/24 13:43
1,2,3-Trichloropropane	3.41	U	4.55	1.41	3.41	ug/kg	1		10/09/24 13:43
1,2,4-Trichlorobenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
1,2,4-Trimethylbenzene	170	U	227	68.2	170	ug/kg	1		10/09/24 13:43
1,2-Dibromo-3-chloropropane	170	U	227	70.5	170	ug/kg	1		10/09/24 13:43
1,2-Dibromoethane	2.56	U	3.41	1.71	2.56	ug/kg	1		10/09/24 13:43
1,2-Dichlorobenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
1,2-Dichloroethane	3.41	U	4.55	1.59	3.41	ug/kg	1		10/09/24 13:43
1,2-Dichloropropane	17.0	U	22.7	11.4	17.0	ug/kg	1		10/09/24 13:43
1,3,5-Trimethylbenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
1,3-Dichlorobenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
1,3-Dichloropropane	17.0	U	22.7	7.05	17.0	ug/kg	1		10/09/24 13:43
1,4-Dichlorobenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
2,2-Dichloropropane	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
2-Butanone (MEK)	426	U	568	177	426	ug/kg	1		10/09/24 13:43
2-Chlorotoluene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
2-Hexanone	205	U	273	136	205	ug/kg	1		10/09/24 13:43
4-Chlorotoluene	34.1	U	45.5	22.7	34.1	ug/kg	1		10/09/24 13:43
4-Isopropyltoluene	137	U	182	90.9	137	ug/kg	1		10/09/24 13:43
4-Methyl-2-pentanone (MIBK)	426	U	568	177	426	ug/kg	1		10/09/24 13:43
Acetone	426	U	568	250	426	ug/kg	1		10/09/24 13:43
Benzene	21.3	U	28.4	8.87	21.3	ug/kg	1		10/09/24 13:43
Bromobenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
Bromochloromethane	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
Bromodichloromethane	3.41	U	4.55	1.41	3.41	ug/kg	1		10/09/24 13:43
Bromoform	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
Bromomethane	34.1	U	45.5	18.2	34.1	ug/kg	1		10/09/24 13:43
Carbon disulfide	170	U	227	70.5	170	ug/kg	1		10/09/24 13:43
Carbon tetrachloride	21.3	U	28.4	8.87	21.3	ug/kg	1		10/09/24 13:43
Chlorobenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43

Results of **24ELISO-TP03-7.0**

Client Sample ID: **24ELISO-TP03-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700001
Lab Project ID: 1245700

Collection Date: 09/25/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.2
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	341	U	455	141	341	ug/kg	1		10/09/24 13:43
Chloroform	10.2	U	13.6	6.82	10.2	ug/kg	1		10/09/24 13:43
Chloromethane	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
cis-1,2-Dichloroethene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
cis-1,3-Dichloropropene	21.3	U	28.4	8.87	21.3	ug/kg	1		10/09/24 13:43
Dibromochloromethane	8.55	U	11.4	3.41	8.55	ug/kg	1		10/09/24 13:43
Dibromomethane	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
Dichlorodifluoromethane	170	U	227	68.2	170	ug/kg	1		10/09/24 13:43
Ethylbenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
Freon-113	170	U	227	70.5	170	ug/kg	1		10/09/24 13:43
Hexachlorobutadiene	34.1	U	45.5	14.1	34.1	ug/kg	1		10/09/24 13:43
Isopropylbenzene (Cumene)	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
Methylene chloride	170	U	227	70.5	170	ug/kg	1		10/09/24 13:43
Methyl-t-butyl ether	170	U	227	70.5	170	ug/kg	1		10/09/24 13:43
Naphthalene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
n-Butylbenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
n-Propylbenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
o-Xylene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
P & M -Xylene	85.5	U	114	34.1	85.5	ug/kg	1		10/09/24 13:43
sec-Butylbenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
Styrene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
tert-Butylbenzene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
Tetrachloroethene	21.3	U	28.4	8.87	21.3	ug/kg	1		10/09/24 13:43
Toluene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
trans-1,2-Dichloroethene	42.6	U	56.8	17.7	42.6	ug/kg	1		10/09/24 13:43
trans-1,3-Dichloropropene	21.3	U	28.4	8.87	21.3	ug/kg	1		10/09/24 13:43
Trichloroethene	17.0	U	22.7	7.28	17.0	ug/kg	1		10/09/24 13:43
Trichlorofluoromethane	85.5	U	114	34.1	85.5	ug/kg	1		10/09/24 13:43
Vinyl acetate	170	U	227	70.5	170	ug/kg	1		10/09/24 13:43
Vinyl chloride	1.37	U	1.82	0.568	1.37	ug/kg	1		10/09/24 13:43
Xylenes (total)	128	U	171	51.8	128	ug/kg	1		10/09/24 13:43
Surrogates									
1,2-Dichloroethane-D4 (surr)	109		71-136			%	1		10/09/24 13:43
4-Bromofluorobenzene (surr)	88.5		55-151			%	1		10/09/24 13:43
Toluene-d8 (surr)	98.7		85-116			%	1		10/09/24 13:43

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J flagging is activated

Results of **24ELISO-TP03-7.0**

Client Sample ID: **24ELISO-TP03-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700001
Lab Project ID: 1245700

Collection Date: 09/25/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.2
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23771
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/09/24 13:43
Container ID: 1245700001-B

Prep Batch: VXX42054
Prep Method: SW5035A
Prep Date/Time: 09/25/24 14:20
Prep Initial Wt./Vol.: 50.07 g
Prep Extract Vol: 39.937 mL

Results of **24ELISP-TP02-9.5**

Client Sample ID: **24ELISP-TP02-9.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700002
Lab Project ID: 1245700

Collection Date: 09/25/24 15:43
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):78.7
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	4.21		1.22	0.379	0.915	mg/kg	10		10/18/24 19:34
Barium	85.4		0.367	0.115	0.275	mg/kg	10		10/18/24 19:34
Cadmium	0.479		0.245	0.0759	0.184	mg/kg	10		10/18/24 19:34
Chromium	53.4		1.22	0.379	0.915	mg/kg	10		10/18/24 19:34
Lead	13.1		0.245	0.0759	0.184	mg/kg	10		10/18/24 19:34
Mercury	0.184	U	0.245	0.0857	0.184	mg/kg	10		10/18/24 19:34
Selenium	6.90		2.45	0.759	1.84	mg/kg	10		10/18/24 19:34
Silver	0.459	U	0.612	0.184	0.459	mg/kg	10		10/18/24 19:34

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 19:34
Container ID: 1245700002-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.038 g
Prep Extract Vol: 50 mL

Results of **24ELISP-TP02-9.5**

Client Sample ID: **24ELISP-TP02-9.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700002
Lab Project ID: 1245700

Collection Date: 09/25/24 15:43
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):78.7
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	12.3	J	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
2-Methylnaphthalene	15.3	J	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Acenaphthene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Acenaphthylene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Anthracene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Benzo(a)Anthracene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Benzo[a]pyrene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Benzo[b]Fluoranthene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Benzo[g,h,i]perylene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Benzo[k]fluoranthene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Chrysene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Dibenzo[a,h]anthracene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Fluoranthene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Fluorene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Indeno[1,2,3-c,d] pyrene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Naphthalene	10.3	J	25.2	6.29	18.9	ug/kg	1		11/08/24 11:46
Phenanthrene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Pyrene	23.5	U	31.4	7.86	23.5	ug/kg	1		11/08/24 11:46
Surrogates									
2-Methylnaphthalene-d10 (surr)	107		63-126			%	1		11/08/24 11:46
Fluoranthene-d10 (surr)	97.1		54-143			%	1		11/08/24 11:46

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 11:46
Container ID: 1245700002-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.732 g
Prep Extract Vol: 5 mL

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J flagging is activated

Results of **24ELISP-TP02-9.5**

Client Sample ID: **24ELISP-TP02-9.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700002
Lab Project ID: 1245700

Collection Date: 09/25/24 15:43
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):78.7
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	18.9	U	25.2	11.3	18.9	mg/kg	1		11/06/24 21:15
Surrogates									
5a Androstane (surr)	90		50-150			%	1		11/06/24 21:15

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 21:15
Container ID: 1245700002-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.732 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	68.9	J	126	54.1	94.5	mg/kg	1		11/06/24 21:15
Surrogates									
n-Triacontane-d62 (surr)	94.3		50-150			%	1		11/06/24 21:15

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/06/24 21:15
Container ID: 1245700002-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.732 g
Prep Extract Vol: 5 mL

Results of **24ELISP-TP02-9.5**

Client Sample ID: **24ELISP-TP02-9.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700002
Lab Project ID: 1245700

Collection Date: 09/25/24 15:43
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):78.7
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.34	U	4.46	1.34	3.34	mg/kg	1		10/22/24 22:20
Surrogates									
4-Bromofluorobenzene (surr)	110		50-150			%	1		10/22/24 22:20

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/22/24 22:20
Container ID: 1245700002-B

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 09/25/24 15:43
Prep Initial Wt./Vol.: 51.077 g
Prep Extract Vol: 35.8753 mL

Results of **24ELISP-TP02-9.5**

Client Sample ID: **24ELISP-TP02-9.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700002
Lab Project ID: 1245700

Collection Date: 09/25/24 15:43
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):78.7
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	26.8	U	35.7	11.1	26.8	ug/kg	1		10/09/24 13:59
1,1,1-Trichloroethane	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
1,1,2,2-Tetrachloroethane	2.68	U	3.57	1.11	2.68	ug/kg	1		10/09/24 13:59
1,1,2-Trichloroethane	1.34	U	1.78	0.892	1.34	ug/kg	1		10/09/24 13:59
1,1-Dichloroethane	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
1,1-Dichloroethene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
1,1-Dichloropropene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
1,2,3-Trichlorobenzene	134	U	178	53.5	134	ug/kg	1		10/09/24 13:59
1,2,3-Trichloropropane	2.68	U	3.57	1.11	2.68	ug/kg	1		10/09/24 13:59
1,2,4-Trichlorobenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
1,2,4-Trimethylbenzene	134	U	178	53.5	134	ug/kg	1		10/09/24 13:59
1,2-Dibromo-3-chloropropane	134	U	178	55.3	134	ug/kg	1		10/09/24 13:59
1,2-Dibromoethane	2.01	U	2.68	1.34	2.01	ug/kg	1		10/09/24 13:59
1,2-Dichlorobenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
1,2-Dichloroethane	2.68	U	3.57	1.25	2.68	ug/kg	1		10/09/24 13:59
1,2-Dichloropropane	13.4	U	17.8	8.92	13.4	ug/kg	1		10/09/24 13:59
1,3,5-Trimethylbenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
1,3-Dichlorobenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
1,3-Dichloropropane	13.4	U	17.8	5.53	13.4	ug/kg	1		10/09/24 13:59
1,4-Dichlorobenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
2,2-Dichloropropane	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
2-Butanone (MEK)	335	U	446	139	335	ug/kg	1		10/09/24 13:59
2-Chlorotoluene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
2-Hexanone	161	U	214	107	161	ug/kg	1		10/09/24 13:59
4-Chlorotoluene	26.8	U	35.7	17.8	26.8	ug/kg	1		10/09/24 13:59
4-Isopropyltoluene	107	U	143	71.4	107	ug/kg	1		10/09/24 13:59
4-Methyl-2-pentanone (MIBK)	335	U	446	139	335	ug/kg	1		10/09/24 13:59
Acetone	335	U	446	196	335	ug/kg	1		10/09/24 13:59
Benzene	16.7	U	22.3	6.96	16.7	ug/kg	1		10/09/24 13:59
Bromobenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
Bromochloromethane	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
Bromodichloromethane	2.68	U	3.57	1.11	2.68	ug/kg	1		10/09/24 13:59
Bromoform	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
Bromomethane	26.8	U	35.7	14.3	26.8	ug/kg	1		10/09/24 13:59
Carbon disulfide	134	U	178	55.3	134	ug/kg	1		10/09/24 13:59
Carbon tetrachloride	16.7	U	22.3	6.96	16.7	ug/kg	1		10/09/24 13:59
Chlorobenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59

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J flagging is activated

Results of **24ELISP-TP02-9.5**

Client Sample ID: **24ELISP-TP02-9.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700002
Lab Project ID: 1245700

Collection Date: 09/25/24 15:43
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):78.7
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	268	U	357	111	268	ug/kg	1		10/09/24 13:59
Chloroform	8.02	U	10.7	5.35	8.02	ug/kg	1		10/09/24 13:59
Chloromethane	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
cis-1,2-Dichloroethene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
cis-1,3-Dichloropropene	16.7	U	22.3	6.96	16.7	ug/kg	1		10/09/24 13:59
Dibromochloromethane	6.69	U	8.92	2.68	6.69	ug/kg	1		10/09/24 13:59
Dibromomethane	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
Dichlorodifluoromethane	134	U	178	53.5	134	ug/kg	1		10/09/24 13:59
Ethylbenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
Freon-113	134	U	178	55.3	134	ug/kg	1		10/09/24 13:59
Hexachlorobutadiene	26.8	U	35.7	11.1	26.8	ug/kg	1		10/09/24 13:59
Isopropylbenzene (Cumene)	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
Methylene chloride	134	U	178	55.3	134	ug/kg	1		10/09/24 13:59
Methyl-t-butyl ether	134	U	178	55.3	134	ug/kg	1		10/09/24 13:59
Naphthalene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
n-Butylbenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
n-Propylbenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
o-Xylene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
P & M -Xylene	66.9	U	89.2	26.8	66.9	ug/kg	1		10/09/24 13:59
sec-Butylbenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
Styrene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
tert-Butylbenzene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
Tetrachloroethene	16.7	U	22.3	6.96	16.7	ug/kg	1		10/09/24 13:59
Toluene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
trans-1,2-Dichloroethene	33.5	U	44.6	13.9	33.5	ug/kg	1		10/09/24 13:59
trans-1,3-Dichloropropene	16.7	U	22.3	6.96	16.7	ug/kg	1		10/09/24 13:59
Trichloroethene	13.4	U	17.8	5.71	13.4	ug/kg	1		10/09/24 13:59
Trichlorofluoromethane	66.9	U	89.2	26.8	66.9	ug/kg	1		10/09/24 13:59
Vinyl acetate	134	U	178	55.3	134	ug/kg	1		10/09/24 13:59
Vinyl chloride	1.07	U	1.43	0.446	1.07	ug/kg	1		10/09/24 13:59
Xylenes (total)	101	U	134	40.7	101	ug/kg	1		10/09/24 13:59
Surrogates									
1,2-Dichloroethane-D4 (surr)	109		71-136			%	1		10/09/24 13:59
4-Bromofluorobenzene (surr)	103		55-151			%	1		10/09/24 13:59
Toluene-d8 (surr)	98.6		85-116			%	1		10/09/24 13:59

Results of **24ELISP-TP02-9.5**

Client Sample ID: **24ELISP-TP02-9.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700002
Lab Project ID: 1245700

Collection Date: 09/25/24 15:43
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):78.7
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23771
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/09/24 13:59
Container ID: 1245700002-B

Prep Batch: VXX42054
Prep Method: SW5035A
Prep Date/Time: 09/25/24 15:43
Prep Initial Wt./Vol.: 51.077 g
Prep Extract Vol: 35.8753 mL

Results of **24ELISO-TP08-1.0**

Client Sample ID: **24ELISO-TP08-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700003
Lab Project ID: 1245700

Collection Date: 09/25/24 16:10
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):88.1
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.50		1.12	0.347	0.840	mg/kg	10		10/18/24 19:48
Barium	37.9		0.336	0.105	0.252	mg/kg	10		10/18/24 19:48
Cadmium	0.273		0.224	0.0695	0.168	mg/kg	10		10/18/24 19:48
Chromium	7.75		1.12	0.347	0.840	mg/kg	10		10/18/24 19:48
Lead	7.74		0.224	0.0695	0.168	mg/kg	10		10/18/24 19:48
Mercury	0.168	U	0.224	0.0784	0.168	mg/kg	10		10/18/24 19:48
Selenium	0.699	J	2.24	0.695	1.68	mg/kg	10		10/18/24 19:48
Silver	0.420	U	0.560	0.168	0.420	mg/kg	10		10/18/24 19:48

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 19:48
Container ID: 1245700003-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.013 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP08-1.0**

Client Sample ID: **24ELISO-TP08-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700003
Lab Project ID: 1245700

Collection Date: 09/25/24 16:10
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):88.1
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual		LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	106000			14200	3540	10650	ug/kg	500		11/10/24 05:23
2-Methylnaphthalene	125000			14200	3540	10650	ug/kg	500		11/10/24 05:23
Acenaphthene	1720			1420	354	1065	ug/kg	50		11/08/24 12:48
Acenaphthylene	840	J		1420	354	1065	ug/kg	50		11/08/24 12:48
Anthracene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Benzo(a)Anthracene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Benzo[a]pyrene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Benzo[b]Fluoranthene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Benzo[g,h,i]perylene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Benzo[k]fluoranthene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Chrysene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Dibenzo[a,h]anthracene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Fluoranthene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Fluorene	3490			1420	354	1065	ug/kg	50		11/08/24 12:48
Indeno[1,2,3-c,d] pyrene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Naphthalene	46400			11300	2830	8475	ug/kg	500		11/10/24 05:23
Phenanthrene	1010	J		1420	354	1065	ug/kg	50		11/08/24 12:48
Pyrene	1065	U		1420	354	1065	ug/kg	50		11/08/24 12:48
Surrogates										
2-Methylnaphthalene-d10 (surr)	543		*	63-126			%	50		11/08/24 12:48
Fluoranthene-d10 (surr)	117			54-143			%	50		11/08/24 12:48

Batch Information

Analytical Batch: XMS14700
Analytical Method: 8270E SIM (PAH)
Analyst: C.M
Analytical Date/Time: 11/10/24 05:23
Container ID: 1245700003-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.539 g
Prep Extract Vol: 5 mL

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 12:48
Container ID: 1245700003-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.539 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP08-1.0**

Client Sample ID: **24ELISO-TP08-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700003
Lab Project ID: 1245700

Collection Date: 09/25/24 16:10
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):88.1
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	25800		113	51.0	84.8	mg/kg	5		11/12/24 01:02
Surrogates									
5a Androstane (surr)	127		50-150			%	5		11/12/24 01:02

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/12/24 01:02
Container ID: 1245700003-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.539 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	9380		567	244	425	mg/kg	5		11/12/24 01:02
Surrogates									
n-Triacontane-d62 (surr)	132		50-150			%	5		11/12/24 01:02

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/12/24 01:02
Container ID: 1245700003-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.539 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP08-1.0**

Client Sample ID: **24ELISO-TP08-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700003
Lab Project ID: 1245700

Collection Date: 09/25/24 16:10
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):88.1
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	81.2		3.34	1.00	2.50	mg/kg	1		10/22/24 22:38
Surrogates									
4-Bromofluorobenzene (surr)	575	*	50-150			%	1		10/22/24 22:38

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/22/24 22:38
Container ID: 1245700003-B

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 09/25/24 16:10
Prep Initial Wt./Vol.: 53.273 g
Prep Extract Vol: 31.3475 mL

Results of **24ELISO-TP08-1.0**

Client Sample ID: **24ELISO-TP08-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700003
Lab Project ID: 1245700

Collection Date: 09/25/24 16:10
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):88.1
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	200	U	267	82.8	200	ug/kg	10		10/09/24 20:18
1,1,1-Trichloroethane	251	U	334	104	251	ug/kg	10		10/09/24 20:18
1,1,2,2-Tetrachloroethane	20.0	U	26.7	8.28	20.0	ug/kg	10		10/09/24 20:18
1,1,2-Trichloroethane	10.1	U	13.4	6.68	10.1	ug/kg	10		10/09/24 20:18
1,1-Dichloroethane	251	U	334	104	251	ug/kg	10		10/09/24 20:18
1,1-Dichloroethene	251	U	334	104	251	ug/kg	10		10/09/24 20:18
1,1-Dichloropropene	251	U	334	104	251	ug/kg	10		10/09/24 20:18
1,2,3-Trichlorobenzene	1005	U	1340	401	1005	ug/kg	10		10/09/24 20:18
1,2,3-Trichloropropane	20.0	U	26.7	8.28	20.0	ug/kg	10		10/09/24 20:18
1,2,4-Trichlorobenzene	251	U	334	104	251	ug/kg	10		10/09/24 20:18
1,2,4-Trimethylbenzene	34600		1340	401	1005	ug/kg	10		10/09/24 20:18
1,2-Dibromo-3-chloropropane	1005	U	1340	414	1005	ug/kg	10		10/09/24 20:18
1,2-Dibromoethane	15.0	U	20.0	10.0	15.0	ug/kg	10		10/09/24 20:18
1,2-Dichlorobenzene	251	U	334	104	251	ug/kg	10		10/09/24 20:18
1,2-Dichloroethane	20.0	U	26.7	9.35	20.0	ug/kg	10		10/09/24 20:18
1,2-Dichloropropane	101	U	134	66.8	101	ug/kg	10		10/09/24 20:18
1,3,5-Trimethylbenzene	14000		334	104	251	ug/kg	10		10/09/24 20:18
1,3-Dichlorobenzene	251	U	334	104	251	ug/kg	10		10/09/24 20:18
1,3-Dichloropropane	101	U	134	41.4	101	ug/kg	10		10/09/24 20:18
1,4-Dichlorobenzene	251	U	334	104	251	ug/kg	10		10/09/24 20:18
2,2-Dichloropropane	251	U	334	104	251	ug/kg	10		10/09/24 20:18
2-Butanone (MEK)	2505	U	3340	1040	2505	ug/kg	10		10/09/24 20:18
2-Chlorotoluene	251	U	334	104	251	ug/kg	10		10/09/24 20:18
2-Hexanone	1200	U	1600	802	1200	ug/kg	10		10/09/24 20:18
4-Chlorotoluene	200	U	267	134	200	ug/kg	10		10/09/24 20:18
4-Isopropyltoluene	9920		1070	534	803	ug/kg	10		10/09/24 20:18
4-Methyl-2-pentanone (MIBK)	2505	U	3340	1040	2505	ug/kg	10		10/09/24 20:18
Acetone	2505	U	3340	1470	2505	ug/kg	10		10/09/24 20:18
Benzene	125	U	167	52.1	125	ug/kg	10		10/09/24 20:18
Bromobenzene	251	U	334	104	251	ug/kg	10		10/09/24 20:18
Bromochloromethane	251	U	334	104	251	ug/kg	10		10/09/24 20:18
Bromodichloromethane	20.0	U	26.7	8.28	20.0	ug/kg	10		10/09/24 20:18
Bromoform	251	U	334	104	251	ug/kg	10		10/09/24 20:18
Bromomethane	200	U	267	107	200	ug/kg	10		10/09/24 20:18
Carbon disulfide	1005	U	1340	414	1005	ug/kg	10		10/09/24 20:18
Carbon tetrachloride	125	U	167	52.1	125	ug/kg	10		10/09/24 20:18
Chlorobenzene	251	U	334	104	251	ug/kg	10		10/09/24 20:18

Results of **24ELISO-TP08-1.0**

Client Sample ID: **24ELISO-TP08-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700003
Lab Project ID: 1245700

Collection Date: 09/25/24 16:10
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):88.1
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual		LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	2003	U		2670	828	2003	ug/kg	10		10/09/24 20:18
Chloroform	60.2	U		80.2	40.1	60.2	ug/kg	10		10/09/24 20:18
Chloromethane	251	U		334	104	251	ug/kg	10		10/09/24 20:18
cis-1,2-Dichloroethene	251	U		334	104	251	ug/kg	10		10/09/24 20:18
cis-1,3-Dichloropropene	125	U		167	52.1	125	ug/kg	10		10/09/24 20:18
Dibromochloromethane	50.1	U		66.8	20.0	50.1	ug/kg	10		10/09/24 20:18
Dibromomethane	251	U		334	104	251	ug/kg	10		10/09/24 20:18
Dichlorodifluoromethane	1005	U		1340	401	1005	ug/kg	10		10/09/24 20:18
Ethylbenzene	251	U		334	104	251	ug/kg	10		10/09/24 20:18
Freon-113	1005	U		1340	414	1005	ug/kg	10		10/09/24 20:18
Hexachlorobutadiene	200	U		267	82.8	200	ug/kg	10		10/09/24 20:18
Isopropylbenzene (Cumene)	508			334	104	251	ug/kg	10		10/09/24 20:18
Methylene chloride	1005	U		1340	414	1005	ug/kg	10		10/09/24 20:18
Methyl-t-butyl ether	1005	U		1340	414	1005	ug/kg	10		10/09/24 20:18
Naphthalene	39400			334	104	251	ug/kg	10		10/09/24 20:18
n-Butylbenzene	8650			334	104	251	ug/kg	10		10/09/24 20:18
n-Propylbenzene	2190			334	104	251	ug/kg	10		10/09/24 20:18
o-Xylene	1790			334	104	251	ug/kg	10		10/09/24 20:18
P & M -Xylene	1300			668	200	501	ug/kg	10		10/09/24 20:18
sec-Butylbenzene	3030			334	104	251	ug/kg	10		10/09/24 20:18
Styrene	251	U		334	104	251	ug/kg	10		10/09/24 20:18
tert-Butylbenzene	251	U		334	104	251	ug/kg	10		10/09/24 20:18
Tetrachloroethene	125	U		167	52.1	125	ug/kg	10		10/09/24 20:18
Toluene	251	U		334	104	251	ug/kg	10		10/09/24 20:18
trans-1,2-Dichloroethene	251	U		334	104	251	ug/kg	10		10/09/24 20:18
trans-1,3-Dichloropropene	125	U		167	52.1	125	ug/kg	10		10/09/24 20:18
Trichloroethene	101	U		134	42.8	101	ug/kg	10		10/09/24 20:18
Trichlorofluoromethane	501	U		668	200	501	ug/kg	10		10/09/24 20:18
Vinyl acetate	1005	U		1340	414	1005	ug/kg	10		10/09/24 20:18
Vinyl chloride	8.02	U		10.7	3.34	8.02	ug/kg	10		10/09/24 20:18
Xylenes (total)	3090			1000	305	750	ug/kg	10		10/09/24 20:18
Surrogates										
1,2-Dichloroethane-D4 (surr)	103			71-136			%	10		10/09/24 20:18
4-Bromofluorobenzene (surr)	184		*	55-151			%	10		10/09/24 20:18
Toluene-d8 (surr)	101			85-116			%	10		10/09/24 20:18

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Results of **24ELISO-TP08-1.0**

Client Sample ID: **24ELISO-TP08-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700003
Lab Project ID: 1245700

Collection Date: 09/25/24 16:10
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):88.1
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23784
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/09/24 20:18
Container ID: 1245700003-B

Prep Batch: VXX42057
Prep Method: SW5035A
Prep Date/Time: 09/25/24 16:10
Prep Initial Wt./Vol.: 53.273 g
Prep Extract Vol: 31.3475 mL

Results of **24ELISO-TP08-6.0**

Client Sample ID: **24ELISO-TP08-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700004
Lab Project ID: 1245700

Collection Date: 09/25/24 16:25
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.9
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	6.34		1.35	0.419	1.01	mg/kg	10		10/18/24 19:58
Barium	117		0.405	0.127	0.304	mg/kg	10		10/18/24 19:58
Cadmium	0.604		0.270	0.0837	0.203	mg/kg	10		10/18/24 19:58
Chromium	19.6		1.35	0.419	1.01	mg/kg	10		10/18/24 19:58
Lead	133		0.270	0.0837	0.203	mg/kg	10		10/18/24 19:58
Mercury	0.231	J	0.270	0.0945	0.203	mg/kg	10		10/18/24 19:58
Selenium	1.35	J	2.70	0.837	2.03	mg/kg	10		10/18/24 19:58
Silver	0.506	U	0.675	0.203	0.506	mg/kg	10		10/18/24 19:58

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 19:58
Container ID: 1245700004-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.044 g
Prep Extract Vol: 50 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP08-6.0**

Client Sample ID: **24ELISO-TP08-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700004
Lab Project ID: 1245700

Collection Date: 09/25/24 16:25
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.9
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	32.2	J	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
2-Methylnaphthalene	40.4		35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Acenaphthene	26.3	U	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Acenaphthylene	26.3	U	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Anthracene	26.3	U	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Benzo(a)Anthracene	9.92	J	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Benzo[a]pyrene	13.1	J	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Benzo[b]Fluoranthene	11.9	J	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Benzo[g,h,i]perylene	16.7	J	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Benzo[k]fluoranthene	26.3	U	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Chrysene	21.2	J	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Dibenzo[a,h]anthracene	26.3	U	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Fluoranthene	33.7	J	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Fluorene	26.3	U	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Indeno[1,2,3-c,d] pyrene	26.3	U	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Naphthalene	25.6	J	28.0	6.99	21.0	ug/kg	1		11/08/24 13:09
Phenanthrene	26.3	U	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Pyrene	15.4	J	35.0	8.74	26.3	ug/kg	1		11/08/24 13:09
Surrogates									
2-Methylnaphthalene-d10 (surr)	107		63-126			%	1		11/08/24 13:09
Fluoranthene-d10 (surr)	104		54-143			%	1		11/08/24 13:09

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 13:09
Container ID: 1245700004-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.675 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP08-6.0**

Client Sample ID: **24ELISO-TP08-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700004
Lab Project ID: 1245700

Collection Date: 09/25/24 16:25
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.9
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	214		28.0	12.6	21.0	mg/kg	1		11/06/24 21:34
Surrogates									
5a Androstane (surr)	90.4		50-150			%	1		11/06/24 21:34

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 21:34
Container ID: 1245700004-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.675 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	1220		140	60.2	105	mg/kg	1		11/06/24 21:34
Surrogates									
n-Triacontane-d62 (surr)	84.3		50-150			%	1		11/06/24 21:34

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/06/24 21:34
Container ID: 1245700004-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.675 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP08-6.0**

Client Sample ID: **24ELISO-TP08-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700004
Lab Project ID: 1245700

Collection Date: 09/25/24 16:25
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.9
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	2.28	J	5.44	1.63	4.08	mg/kg	1		10/22/24 22:56
Surrogates									
4-Bromofluorobenzene (surr)	95.7		50-150			%	1		10/22/24 22:56

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/22/24 22:56
Container ID: 1245700004-B

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 09/25/24 16:25
Prep Initial Wt./Vol.: 52.024 g
Prep Extract Vol: 40.121 mL

Results of **24ELISO-TP08-6.0**

Client Sample ID: **24ELISO-TP08-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700004
Lab Project ID: 1245700

Collection Date: 09/25/24 16:25
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	32.6	U	43.5	13.5	32.6	ug/kg	1		10/09/24 21:38
1,1,1-Trichloroethane	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
1,1,2,2-Tetrachloroethane	3.26	U	4.35	1.35	3.26	ug/kg	1		10/09/24 21:38
1,1,2-Trichloroethane	1.63	U	2.17	1.09	1.63	ug/kg	1		10/09/24 21:38
1,1-Dichloroethane	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
1,1-Dichloroethene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
1,1-Dichloropropene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
1,2,3-Trichlorobenzene	163	U	217	65.2	163	ug/kg	1		10/09/24 21:38
1,2,3-Trichloropropane	3.26	U	4.35	1.35	3.26	ug/kg	1		10/09/24 21:38
1,2,4-Trichlorobenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
1,2,4-Trimethylbenzene	163	U	217	65.2	163	ug/kg	1		10/09/24 21:38
1,2-Dibromo-3-chloropropane	163	U	217	67.4	163	ug/kg	1		10/09/24 21:38
1,2-Dibromoethane	2.44	U	3.26	1.63	2.44	ug/kg	1		10/09/24 21:38
1,2-Dichlorobenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
1,2-Dichloroethane	3.26	U	4.35	1.52	3.26	ug/kg	1		10/09/24 21:38
1,2-Dichloropropane	16.3	U	21.7	10.9	16.3	ug/kg	1		10/09/24 21:38
1,3,5-Trimethylbenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
1,3-Dichlorobenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
1,3-Dichloropropane	16.3	U	21.7	6.74	16.3	ug/kg	1		10/09/24 21:38
1,4-Dichlorobenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
2,2-Dichloropropane	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
2-Butanone (MEK)	408	U	544	170	408	ug/kg	1		10/09/24 21:38
2-Chlorotoluene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
2-Hexanone	196	U	261	130	196	ug/kg	1		10/09/24 21:38
4-Chlorotoluene	32.6	U	43.5	21.7	32.6	ug/kg	1		10/09/24 21:38
4-Isopropyltoluene	131	U	174	87.0	131	ug/kg	1		10/09/24 21:38
4-Methyl-2-pentanone (MIBK)	408	U	544	170	408	ug/kg	1		10/09/24 21:38
Acetone	438	J	544	239	408	ug/kg	1		10/09/24 21:38
Benzene	20.4	U	27.2	8.48	20.4	ug/kg	1		10/09/24 21:38
Bromobenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
Bromochloromethane	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
Bromodichloromethane	3.26	U	4.35	1.35	3.26	ug/kg	1		10/09/24 21:38
Bromoform	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
Bromomethane	32.6	U	43.5	17.4	32.6	ug/kg	1		10/09/24 21:38
Carbon disulfide	163	U	217	67.4	163	ug/kg	1		10/09/24 21:38
Carbon tetrachloride	20.4	U	27.2	8.48	20.4	ug/kg	1		10/09/24 21:38
Chlorobenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38

Results of **24ELISO-TP08-6.0**

Client Sample ID: **24ELISO-TP08-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700004
Lab Project ID: 1245700

Collection Date: 09/25/24 16:25
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	326	U	435	135	326	ug/kg	1		10/09/24 21:38
Chloroform	9.75	U	13.0	6.52	9.75	ug/kg	1		10/09/24 21:38
Chloromethane	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
cis-1,2-Dichloroethene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
cis-1,3-Dichloropropene	20.4	U	27.2	8.48	20.4	ug/kg	1		10/09/24 21:38
Dibromochloromethane	8.18	U	10.9	3.26	8.18	ug/kg	1		10/09/24 21:38
Dibromomethane	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
Dichlorodifluoromethane	163	U	217	65.2	163	ug/kg	1		10/09/24 21:38
Ethylbenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
Freon-113	163	U	217	67.4	163	ug/kg	1		10/09/24 21:38
Hexachlorobutadiene	32.6	U	43.5	13.5	32.6	ug/kg	1		10/09/24 21:38
Isopropylbenzene (Cumene)	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
Methylene chloride	89.3	J	217	67.4	163	ug/kg	1		10/09/24 21:38
Methyl-t-butyl ether	163	U	217	67.4	163	ug/kg	1		10/09/24 21:38
Naphthalene	40.3	J	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
n-Butylbenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
n-Propylbenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
o-Xylene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
P & M -Xylene	81.8	U	109	32.6	81.8	ug/kg	1		10/09/24 21:38
sec-Butylbenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
Styrene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
tert-Butylbenzene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
Tetrachloroethene	20.4	U	27.2	8.48	20.4	ug/kg	1		10/09/24 21:38
Toluene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
trans-1,2-Dichloroethene	40.8	U	54.4	17.0	40.8	ug/kg	1		10/09/24 21:38
trans-1,3-Dichloropropene	20.4	U	27.2	8.48	20.4	ug/kg	1		10/09/24 21:38
Trichloroethene	16.3	U	21.7	6.96	16.3	ug/kg	1		10/09/24 21:38
Trichlorofluoromethane	124		109	32.6	81.8	ug/kg	1		10/09/24 21:38
Vinyl acetate	163	U	217	67.4	163	ug/kg	1		10/09/24 21:38
Vinyl chloride	1.30	U	1.74	0.544	1.30	ug/kg	1		10/09/24 21:38
Xylenes (total)	122	U	163	49.6	122	ug/kg	1		10/09/24 21:38
Surrogates									
1,2-Dichloroethane-D4 (surr)	102		71-136			%	1		10/09/24 21:38
4-Bromofluorobenzene (surr)	94.2		55-151			%	1		10/09/24 21:38
Toluene-d8 (surr)	101		85-116			%	1		10/09/24 21:38

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP08-6.0**

Client Sample ID: **24ELISO-TP08-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700004
Lab Project ID: 1245700

Collection Date: 09/25/24 16:25
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):70.9
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23784
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/09/24 21:38
Container ID: 1245700004-B

Prep Batch: VXX42057
Prep Method: SW5035A
Prep Date/Time: 09/25/24 16:25
Prep Initial Wt./Vol.: 52.024 g
Prep Extract Vol: 40.121 mL

Results of **24ELISO-TP99-1.0**

Client Sample ID: **24ELISO-TP99-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700005
Lab Project ID: 1245700

Collection Date: 09/25/24 07:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.5
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	4.43		1.12	0.347	0.840	mg/kg	10		10/18/24 20:00
Barium	41.0		0.336	0.105	0.252	mg/kg	10		10/18/24 20:00
Cadmium	0.284		0.224	0.0694	0.168	mg/kg	10		10/18/24 20:00
Chromium	9.24		1.12	0.347	0.840	mg/kg	10		10/18/24 20:00
Lead	6.35		0.224	0.0694	0.168	mg/kg	10		10/18/24 20:00
Mercury	0.168	U	0.224	0.0783	0.168	mg/kg	10		10/18/24 20:00
Selenium	0.762	J	2.24	0.694	1.68	mg/kg	10		10/18/24 20:00
Silver	0.419	U	0.559	0.168	0.419	mg/kg	10		10/18/24 20:00

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:00
Container ID: 1245700005-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.021 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP99-1.0**

Client Sample ID: **24ELISO-TP99-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700005
Lab Project ID: 1245700

Collection Date: 09/25/24 07:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.5
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual		LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	120000			14200	3560	10650	ug/kg	500		11/10/24 05:44
2-Methylnaphthalene	150000			14200	3560	10650	ug/kg	500		11/10/24 05:44
Acenaphthene	2150	J		2850	712	2138	ug/kg	100		11/08/24 13:30
Acenaphthylene	1050	J		2850	712	2138	ug/kg	100		11/08/24 13:30
Anthracene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Benzo(a)Anthracene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Benzo[a]pyrene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Benzo[b]Fluoranthene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Benzo[g,h,i]perylene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Benzo[k]fluoranthene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Chrysene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Dibenzo[a,h]anthracene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Fluoranthene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Fluorene	4370			2850	712	2138	ug/kg	100		11/08/24 13:30
Indeno[1,2,3-c,d] pyrene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Naphthalene	56800			2280	570	1710	ug/kg	100		11/08/24 13:30
Phenanthrene	1190	J		2850	712	2138	ug/kg	100		11/08/24 13:30
Pyrene	2138	U		2850	712	2138	ug/kg	100		11/08/24 13:30
Surrogates										
2-Methylnaphthalene-d10 (surr)	634		*	63-126			%	100		11/08/24 13:30
Fluoranthene-d10 (surr)	132			54-143			%	100		11/08/24 13:30

Batch Information

Analytical Batch: XMS14700
Analytical Method: 8270E SIM (PAH)
Analyst: C.M
Analytical Date/Time: 11/10/24 05:44
Container ID: 1245700005-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.548 g
Prep Extract Vol: 5 mL

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 13:30
Container ID: 1245700005-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.548 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP99-1.0**

Client Sample ID: **24ELISO-TP99-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700005
Lab Project ID: 1245700

Collection Date: 09/25/24 07:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.5
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	29500		228	103	171	mg/kg	10		11/12/24 01:11
Surrogates									
5a Androstane (surr)	0	*	50-150			%	10		11/12/24 01:11

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/12/24 01:11
Container ID: 1245700005-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.548 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	11000		1140	490	855	mg/kg	10		11/12/24 01:11
Surrogates									
n-Triacontane-d62 (surr)	0	*	50-150			%	10		11/12/24 01:11

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/12/24 01:11
Container ID: 1245700005-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.548 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP99-1.0**

Client Sample ID: **24ELISO-TP99-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700005
Lab Project ID: 1245700

Collection Date: 09/25/24 07:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.5
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	77.6		3.44	1.03	2.58	mg/kg	1		10/23/24 02:17
Surrogates									
4-Bromofluorobenzene (surr)	533	*	50-150			%	1		10/23/24 02:17

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/23/24 02:17
Container ID: 1245700005-B

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 09/25/24 07:00
Prep Initial Wt./Vol.: 52.35 g
Prep Extract Vol: 31.5231 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **24ELISO-TP99-1.0**

Client Sample ID: **24ELISO-TP99-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700005
Lab Project ID: 1245700

Collection Date: 09/25/24 07:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.5
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	206	U	275	85.3	206	ug/kg	10		10/09/24 20:34
1,1,1-Trichloroethane	258	U	344	107	258	ug/kg	10		10/09/24 20:34
1,1,2,2-Tetrachloroethane	20.6	U	27.5	8.53	20.6	ug/kg	10		10/09/24 20:34
1,1,2-Trichloroethane	10.4	U	13.8	6.88	10.4	ug/kg	10		10/09/24 20:34
1,1-Dichloroethane	258	U	344	107	258	ug/kg	10		10/09/24 20:34
1,1-Dichloroethene	258	U	344	107	258	ug/kg	10		10/09/24 20:34
1,1-Dichloropropene	258	U	344	107	258	ug/kg	10		10/09/24 20:34
1,2,3-Trichlorobenzene	1035	U	1380	413	1035	ug/kg	10		10/09/24 20:34
1,2,3-Trichloropropane	20.6	U	27.5	8.53	20.6	ug/kg	10		10/09/24 20:34
1,2,4-Trichlorobenzene	258	U	344	107	258	ug/kg	10		10/09/24 20:34
1,2,4-Trimethylbenzene	39400		1380	413	1035	ug/kg	10		10/09/24 20:34
1,2-Dibromo-3-chloropropane	1035	U	1380	426	1035	ug/kg	10		10/09/24 20:34
1,2-Dibromoethane	15.5	U	20.6	10.3	15.5	ug/kg	10		10/09/24 20:34
1,2-Dichlorobenzene	258	U	344	107	258	ug/kg	10		10/09/24 20:34
1,2-Dichloroethane	20.6	U	27.5	9.63	20.6	ug/kg	10		10/09/24 20:34
1,2-Dichloropropane	104	U	138	68.8	104	ug/kg	10		10/09/24 20:34
1,3,5-Trimethylbenzene	15600		344	107	258	ug/kg	10		10/09/24 20:34
1,3-Dichlorobenzene	258	U	344	107	258	ug/kg	10		10/09/24 20:34
1,3-Dichloropropane	104	U	138	42.6	104	ug/kg	10		10/09/24 20:34
1,4-Dichlorobenzene	258	U	344	107	258	ug/kg	10		10/09/24 20:34
2,2-Dichloropropane	258	U	344	107	258	ug/kg	10		10/09/24 20:34
2-Butanone (MEK)	2580	U	3440	1070	2580	ug/kg	10		10/09/24 20:34
2-Chlorotoluene	258	U	344	107	258	ug/kg	10		10/09/24 20:34
2-Hexanone	1238	U	1650	825	1238	ug/kg	10		10/09/24 20:34
4-Chlorotoluene	206	U	275	138	206	ug/kg	10		10/09/24 20:34
4-Isopropyltoluene	11200		1100	550	825	ug/kg	10		10/09/24 20:34
4-Methyl-2-pentanone (MIBK)	2580	U	3440	1070	2580	ug/kg	10		10/09/24 20:34
Acetone	2580	U	3440	1510	2580	ug/kg	10		10/09/24 20:34
Benzene	129	U	172	53.7	129	ug/kg	10		10/09/24 20:34
Bromobenzene	258	U	344	107	258	ug/kg	10		10/09/24 20:34
Bromochloromethane	258	U	344	107	258	ug/kg	10		10/09/24 20:34
Bromodichloromethane	20.6	U	27.5	8.53	20.6	ug/kg	10		10/09/24 20:34
Bromoform	258	U	344	107	258	ug/kg	10		10/09/24 20:34
Bromomethane	206	U	275	110	206	ug/kg	10		10/09/24 20:34
Carbon disulfide	1035	U	1380	426	1035	ug/kg	10		10/09/24 20:34
Carbon tetrachloride	129	U	172	53.7	129	ug/kg	10		10/09/24 20:34
Chlorobenzene	258	U	344	107	258	ug/kg	10		10/09/24 20:34

Results of **24ELISO-TP99-1.0**

Client Sample ID: **24ELISO-TP99-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700005
Lab Project ID: 1245700

Collection Date: 09/25/24 07:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.5
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual		LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	2063	U		2750	853	2063	ug/kg	10		10/09/24 20:34
Chloroform	61.9	U		82.5	41.3	61.9	ug/kg	10		10/09/24 20:34
Chloromethane	258	U		344	107	258	ug/kg	10		10/09/24 20:34
cis-1,2-Dichloroethene	258	U		344	107	258	ug/kg	10		10/09/24 20:34
cis-1,3-Dichloropropene	129	U		172	53.7	129	ug/kg	10		10/09/24 20:34
Dibromochloromethane	51.6	U		68.8	20.6	51.6	ug/kg	10		10/09/24 20:34
Dibromomethane	258	U		344	107	258	ug/kg	10		10/09/24 20:34
Dichlorodifluoromethane	1035	U		1380	413	1035	ug/kg	10		10/09/24 20:34
Ethylbenzene	258	U		344	107	258	ug/kg	10		10/09/24 20:34
Freon-113	1035	U		1380	426	1035	ug/kg	10		10/09/24 20:34
Hexachlorobutadiene	206	U		275	85.3	206	ug/kg	10		10/09/24 20:34
Isopropylbenzene (Cumene)	590			344	107	258	ug/kg	10		10/09/24 20:34
Methylene chloride	1035	U		1380	426	1035	ug/kg	10		10/09/24 20:34
Methyl-t-butyl ether	1035	U		1380	426	1035	ug/kg	10		10/09/24 20:34
Naphthalene	47000			344	107	258	ug/kg	10		10/09/24 20:34
n-Butylbenzene	10300			344	107	258	ug/kg	10		10/09/24 20:34
n-Propylbenzene	2730			344	107	258	ug/kg	10		10/09/24 20:34
o-Xylene	1910			344	107	258	ug/kg	10		10/09/24 20:34
P & M -Xylene	1510			688	206	516	ug/kg	10		10/09/24 20:34
sec-Butylbenzene	3490			344	107	258	ug/kg	10		10/09/24 20:34
Styrene	258	U		344	107	258	ug/kg	10		10/09/24 20:34
tert-Butylbenzene	258	U		344	107	258	ug/kg	10		10/09/24 20:34
Tetrachloroethene	129	U		172	53.7	129	ug/kg	10		10/09/24 20:34
Toluene	258	U		344	107	258	ug/kg	10		10/09/24 20:34
trans-1,2-Dichloroethene	258	U		344	107	258	ug/kg	10		10/09/24 20:34
trans-1,3-Dichloropropene	129	U		172	53.7	129	ug/kg	10		10/09/24 20:34
Trichloroethene	104	U		138	44.0	104	ug/kg	10		10/09/24 20:34
Trichlorofluoromethane	516	U		688	206	516	ug/kg	10		10/09/24 20:34
Vinyl acetate	1035	U		1380	426	1035	ug/kg	10		10/09/24 20:34
Vinyl chloride	8.25	U		11.0	3.44	8.25	ug/kg	10		10/09/24 20:34
Xylenes (total)	3420			1030	314	773	ug/kg	10		10/09/24 20:34
Surrogates										
1,2-Dichloroethane-D4 (surr)	102			71-136			%	10		10/09/24 20:34
4-Bromofluorobenzene (surr)	188		*	55-151			%	10		10/09/24 20:34
Toluene-d8 (surr)	101			85-116			%	10		10/09/24 20:34

Results of **24ELISO-TP99-1.0**

Client Sample ID: **24ELISO-TP99-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700005
Lab Project ID: 1245700

Collection Date: 09/25/24 07:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.5
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23784
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/09/24 20:34
Container ID: 1245700005-B

Prep Batch: VXX42057
Prep Method: SW5035A
Prep Date/Time: 09/25/24 07:00
Prep Initial Wt./Vol.: 52.35 g
Prep Extract Vol: 31.5231 mL

Results of **24ELISO-TP20-2.0**

Client Sample ID: **24ELISO-TP20-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700006
Lab Project ID: 1245700

Collection Date: 09/25/24 17:23
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):89.9
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	2.94		1.11	0.344	0.833	mg/kg	10		10/18/24 20:03
Barium	33.7		0.333	0.104	0.250	mg/kg	10		10/18/24 20:03
Cadmium	0.279		0.222	0.0688	0.167	mg/kg	10		10/18/24 20:03
Chromium	14.0		1.11	0.344	0.833	mg/kg	10		10/18/24 20:03
Lead	6.29		0.222	0.0688	0.167	mg/kg	10		10/18/24 20:03
Mercury	0.167	U	0.222	0.0777	0.167	mg/kg	10		10/18/24 20:03
Selenium	1.03	J	2.22	0.688	1.67	mg/kg	10		10/18/24 20:03
Silver	0.416	U	0.555	0.166	0.416	mg/kg	10		10/18/24 20:03

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:03
Container ID: 1245700006-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.003 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP20-2.0**

Client Sample ID: **24ELISO-TP20-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700006
Lab Project ID: 1245700

Collection Date: 09/25/24 17:23
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):89.9
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	5240		550	138	413	ug/kg	20		11/08/24 13:50
2-Methylnaphthalene	3660		550	138	413	ug/kg	20		11/08/24 13:50
Acenaphthene	292	J	550	138	413	ug/kg	20		11/08/24 13:50
Acenaphthylene	413	U	550	138	413	ug/kg	20		11/08/24 13:50
Anthracene	707		550	138	413	ug/kg	20		11/08/24 13:50
Benzo(a)Anthracene	186	J	550	138	413	ug/kg	20		11/08/24 13:50
Benzo[a]pyrene	413	U	550	138	413	ug/kg	20		11/08/24 13:50
Benzo[b]Fluoranthene	413	U	550	138	413	ug/kg	20		11/08/24 13:50
Benzo[g,h,i]perylene	244	J	550	138	413	ug/kg	20		11/08/24 13:50
Benzo[k]fluoranthene	413	U	550	138	413	ug/kg	20		11/08/24 13:50
Chrysene	195	J	550	138	413	ug/kg	20		11/08/24 13:50
Dibenzo[a,h]anthracene	413	U	550	138	413	ug/kg	20		11/08/24 13:50
Fluoranthene	485	J	550	138	413	ug/kg	20		11/08/24 13:50
Fluorene	731		550	138	413	ug/kg	20		11/08/24 13:50
Indeno[1,2,3-c,d] pyrene	413	U	550	138	413	ug/kg	20		11/08/24 13:50
Naphthalene	3720		440	110	330	ug/kg	20		11/08/24 13:50
Phenanthrene	963		550	138	413	ug/kg	20		11/08/24 13:50
Pyrene	784		550	138	413	ug/kg	20		11/08/24 13:50
Surrogates									
2-Methylnaphthalene-d10 (surr)	217	*	63-126			%	20		11/08/24 13:50
Fluoranthene-d10 (surr)	139		54-143			%	20		11/08/24 13:50

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 13:50
Container ID: 1245700006-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.748 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP20-2.0**

Client Sample ID: **24ELISO-TP20-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700006
Lab Project ID: 1245700

Collection Date: 09/25/24 17:23
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):89.9
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	12400		440	198	330	mg/kg	20		11/12/24 01:21
Surrogates									
5a Androstane (surr)	0	*	50-150			%	20		11/12/24 01:21

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/12/24 01:21
Container ID: 1245700006-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.748 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	47700		2200	947	1650	mg/kg	20		11/12/24 01:21
Surrogates									
n-Triacontane-d62 (surr)	0	*	50-150			%	20		11/12/24 01:21

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/12/24 01:21
Container ID: 1245700006-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.748 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP20-2.0**

Client Sample ID: **24ELISO-TP20-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700006
Lab Project ID: 1245700

Collection Date: 09/25/24 17:23
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):89.9
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	12.6		3.34	1.00	2.50	mg/kg	1		10/23/24 02:36
Surrogates									
4-Bromofluorobenzene (surr)	110		50-150			%	1		10/23/24 02:36

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/23/24 02:36
Container ID: 1245700006-B

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 09/25/24 17:23
Prep Initial Wt./Vol.: 50.053 g
Prep Extract Vol: 30.079 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP20-2.0**

Client Sample ID: **24ELISO-TP20-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700006
Lab Project ID: 1245700

Collection Date: 09/25/24 17:23
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):89.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	20.1	U	26.8	8.29	20.1	ug/kg	1		10/09/24 18:08
1,1,1-Trichloroethane	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
1,1,2,2-Tetrachloroethane	2.01	U	2.68	0.829	2.01	ug/kg	1		10/09/24 18:08
1,1,2-Trichloroethane	1.01	U	1.34	0.669	1.01	ug/kg	1		10/09/24 18:08
1,1-Dichloroethane	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
1,1-Dichloroethene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
1,1-Dichloropropene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
1,2,3-Trichlorobenzene	101	U	134	40.1	101	ug/kg	1		10/09/24 18:08
1,2,3-Trichloropropane	2.01	U	2.68	0.829	2.01	ug/kg	1		10/09/24 18:08
1,2,4-Trichlorobenzene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
1,2,4-Trimethylbenzene	1120		134	40.1	101	ug/kg	1		10/09/24 18:08
1,2-Dibromo-3-chloropropane	101	U	134	41.5	101	ug/kg	1		10/09/24 18:08
1,2-Dibromoethane	1.51	U	2.01	1.00	1.51	ug/kg	1		10/09/24 18:08
1,2-Dichlorobenzene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
1,2-Dichloroethane	2.01	U	2.68	0.936	2.01	ug/kg	1		10/09/24 18:08
1,2-Dichloropropane	10.1	U	13.4	6.69	10.1	ug/kg	1		10/09/24 18:08
1,3,5-Trimethylbenzene	2270		33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
1,3-Dichlorobenzene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
1,3-Dichloropropane	10.1	U	13.4	4.15	10.1	ug/kg	1		10/09/24 18:08
1,4-Dichlorobenzene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
2,2-Dichloropropane	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
2-Butanone (MEK)	251	U	334	104	251	ug/kg	1		10/09/24 18:08
2-Chlorotoluene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
2-Hexanone	121	U	161	80.3	121	ug/kg	1		10/09/24 18:08
4-Chlorotoluene	20.1	U	26.8	13.4	20.1	ug/kg	1		10/09/24 18:08
4-Isopropyltoluene	80.3	U	107	53.5	80.3	ug/kg	1		10/09/24 18:08
4-Methyl-2-pentanone (MIBK)	251	U	334	104	251	ug/kg	1		10/09/24 18:08
Acetone	251	U	334	147	251	ug/kg	1		10/09/24 18:08
Benzene	12.5	U	16.7	5.22	12.5	ug/kg	1		10/09/24 18:08
Bromobenzene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
Bromochloromethane	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
Bromodichloromethane	2.01	U	2.68	0.829	2.01	ug/kg	1		10/09/24 18:08
Bromoform	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
Bromomethane	20.1	U	26.8	10.7	20.1	ug/kg	1		10/09/24 18:08
Carbon disulfide	101	U	134	41.5	101	ug/kg	1		10/09/24 18:08
Carbon tetrachloride	12.5	U	16.7	5.22	12.5	ug/kg	1		10/09/24 18:08
Chlorobenzene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP20-2.0**

Client Sample ID: **24ELISO-TP20-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700006
Lab Project ID: 1245700

Collection Date: 09/25/24 17:23
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):89.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	201	U	268	82.9	201	ug/kg	1		10/09/24 18:08
Chloroform	6.02	U	8.03	4.01	6.02	ug/kg	1		10/09/24 18:08
Chloromethane	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
cis-1,2-Dichloroethene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
cis-1,3-Dichloropropene	12.5	U	16.7	5.22	12.5	ug/kg	1		10/09/24 18:08
Dibromochloromethane	5.02	U	6.69	2.01	5.02	ug/kg	1		10/09/24 18:08
Dibromomethane	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
Dichlorodifluoromethane	101	U	134	40.1	101	ug/kg	1		10/09/24 18:08
Ethylbenzene	29.7	J	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
Freon-113	101	U	134	41.5	101	ug/kg	1		10/09/24 18:08
Hexachlorobutadiene	20.1	U	26.8	8.29	20.1	ug/kg	1		10/09/24 18:08
Isopropylbenzene (Cumene)	15.0	J	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
Methylene chloride	101	U	134	41.5	101	ug/kg	1		10/09/24 18:08
Methyl-t-butyl ether	101	U	134	41.5	101	ug/kg	1		10/09/24 18:08
Naphthalene	3220		33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
n-Butylbenzene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
n-Propylbenzene	39.1		33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
o-Xylene	426		33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
P & M -Xylene	138		66.9	20.1	50.2	ug/kg	1		10/09/24 18:08
sec-Butylbenzene	64.7		33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
Styrene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
tert-Butylbenzene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
Tetrachloroethene	12.5	U	16.7	5.22	12.5	ug/kg	1		10/09/24 18:08
Toluene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
trans-1,2-Dichloroethene	25.0	U	33.4	10.4	25.0	ug/kg	1		10/09/24 18:08
trans-1,3-Dichloropropene	12.5	U	16.7	5.22	12.5	ug/kg	1		10/09/24 18:08
Trichloroethene	10.1	U	13.4	4.28	10.1	ug/kg	1		10/09/24 18:08
Trichlorofluoromethane	50.2	U	66.9	20.1	50.2	ug/kg	1		10/09/24 18:08
Vinyl acetate	101	U	134	41.5	101	ug/kg	1		10/09/24 18:08
Vinyl chloride	0.802	U	1.07	0.334	0.802	ug/kg	1		10/09/24 18:08
Xylenes (total)	564		100	30.5	75.0	ug/kg	1		10/09/24 18:08
Surrogates									
1,2-Dichloroethane-D4 (surr)	102		71-136			%	1		10/09/24 18:08
4-Bromofluorobenzene (surr)	125		55-151			%	1		10/09/24 18:08
Toluene-d8 (surr)	99.3		85-116			%	1		10/09/24 18:08

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J flagging is activated

Results of **24ELISO-TP20-2.0**

Client Sample ID: **24ELISO-TP20-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700006
Lab Project ID: 1245700

Collection Date: 09/25/24 17:23
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):89.9
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23784
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/09/24 18:08
Container ID: 1245700006-B

Prep Batch: VXX42057
Prep Method: SW5035A
Prep Date/Time: 09/25/24 17:23
Prep Initial Wt./Vol.: 50.053 g
Prep Extract Vol: 30.079 mL

Results of **24ELISO-TP14-8.0**

Client Sample ID: **24ELISO-TP14-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700007
Lab Project ID: 1245700

Collection Date: 09/25/24 08:55
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):73.4
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	8.21		1.33	0.411	0.998	mg/kg	10		10/18/24 20:05
Barium	147		0.398	0.125	0.298	mg/kg	10		10/18/24 20:05
Cadmium	0.416		0.265	0.0823	0.199	mg/kg	10		10/18/24 20:05
Chromium	23.9		1.33	0.411	0.998	mg/kg	10		10/18/24 20:05
Lead	81.3		0.265	0.0823	0.199	mg/kg	10		10/18/24 20:05
Mercury	0.128	J	0.265	0.0929	0.199	mg/kg	10		10/18/24 20:05
Selenium	1.66	J	2.65	0.823	1.99	mg/kg	10		10/18/24 20:05
Silver	0.498	U	0.664	0.199	0.498	mg/kg	10		10/18/24 20:05

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:05
Container ID: 1245700007-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.027 g
Prep Extract Vol: 50 mL

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Results of **24ELISO-TP14-8.0**

Client Sample ID: **24ELISO-TP14-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700007
Lab Project ID: 1245700

Collection Date: 09/25/24 08:55
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):73.4
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
2-Methylnaphthalene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Acenaphthene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Acenaphthylene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Anthracene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Benzo(a)Anthracene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Benzo[a]pyrene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Benzo[b]Fluoranthene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Benzo[g,h,i]perylene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Benzo[k]fluoranthene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Chrysene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Dibenzo[a,h]anthracene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Fluoranthene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Fluorene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Indeno[1,2,3-c,d] pyrene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Naphthalene	20.3	U	27.1	6.79	20.3	ug/kg	1		11/08/24 14:11
Phenanthrene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Pyrene	25.4	U	33.9	8.48	25.4	ug/kg	1		11/08/24 14:11
Surrogates									
2-Methylnaphthalene-d10 (surr)	110		63-126			%	1		11/08/24 14:11
Fluoranthene-d10 (surr)	109		54-143			%	1		11/08/24 14:11

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 14:11
Container ID: 1245700007-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.594 g
Prep Extract Vol: 5 mL

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Results of **24ELISO-TP14-8.0**

Client Sample ID: **24ELISO-TP14-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700007
Lab Project ID: 1245700

Collection Date: 09/25/24 08:55
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):73.4
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	110		27.1	12.2	20.3	mg/kg	1		11/06/24 22:46
Surrogates									
5a Androstane (surr)	93.2		50-150			%	1		11/06/24 22:46

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 22:46
Container ID: 1245700007-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.594 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	628		136	58.4	102	mg/kg	1		11/07/24 17:58
Surrogates									
n-Triacontane-d62 (surr)	107		50-150			%	1		11/07/24 17:58

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 17:58
Container ID: 1245700007-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.594 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP14-8.0**

Client Sample ID: **24ELISO-TP14-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700007
Lab Project ID: 1245700

Collection Date: 09/25/24 08:55
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):73.4
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.89	U	5.19	1.56	3.89	mg/kg	1		10/22/24 23:15
Surrogates									
4-Bromofluorobenzene (surr)	105		50-150			%	1		10/22/24 23:15

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/22/24 23:15
Container ID: 1245700007-B

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 09/25/24 08:55
Prep Initial Wt./Vol.: 50.439 g
Prep Extract Vol: 38.437 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **24ELISO-TP14-8.0**

Client Sample ID: **24ELISO-TP14-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700007
Lab Project ID: 1245700

Collection Date: 09/25/24 08:55
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):73.4
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	31.2	U	41.6	12.9	31.2	ug/kg	1		10/09/24 21:54
1,1,1-Trichloroethane	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
1,1,2,2-Tetrachloroethane	3.12	U	4.16	1.29	3.12	ug/kg	1		10/09/24 21:54
1,1,2-Trichloroethane	1.56	U	2.08	1.04	1.56	ug/kg	1		10/09/24 21:54
1,1-Dichloroethane	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
1,1-Dichloroethene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
1,1-Dichloropropene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
1,2,3-Trichlorobenzene	156	U	208	62.3	156	ug/kg	1		10/09/24 21:54
1,2,3-Trichloropropane	3.12	U	4.16	1.29	3.12	ug/kg	1		10/09/24 21:54
1,2,4-Trichlorobenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
1,2,4-Trimethylbenzene	156	U	208	62.3	156	ug/kg	1		10/09/24 21:54
1,2-Dibromo-3-chloropropane	156	U	208	64.4	156	ug/kg	1		10/09/24 21:54
1,2-Dibromoethane	2.34	U	3.12	1.56	2.34	ug/kg	1		10/09/24 21:54
1,2-Dichlorobenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
1,2-Dichloroethane	3.12	U	4.16	1.45	3.12	ug/kg	1		10/09/24 21:54
1,2-Dichloropropane	15.6	U	20.8	10.4	15.6	ug/kg	1		10/09/24 21:54
1,3,5-Trimethylbenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
1,3-Dichlorobenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
1,3-Dichloropropane	15.6	U	20.8	6.44	15.6	ug/kg	1		10/09/24 21:54
1,4-Dichlorobenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
2,2-Dichloropropane	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
2-Butanone (MEK)	389	U	519	162	389	ug/kg	1		10/09/24 21:54
2-Chlorotoluene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
2-Hexanone	187	U	249	125	187	ug/kg	1		10/09/24 21:54
4-Chlorotoluene	31.2	U	41.6	20.8	31.2	ug/kg	1		10/09/24 21:54
4-Isopropyltoluene	156	J	166	83.1	125	ug/kg	1		10/09/24 21:54
4-Methyl-2-pentanone (MIBK)	389	U	519	162	389	ug/kg	1		10/09/24 21:54
Acetone	848		519	229	389	ug/kg	1		10/09/24 21:54
Benzene	19.5	U	26.0	8.10	19.5	ug/kg	1		10/09/24 21:54
Bromobenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
Bromochloromethane	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
Bromodichloromethane	3.12	U	4.16	1.29	3.12	ug/kg	1		10/09/24 21:54
Bromoform	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
Bromomethane	31.2	U	41.6	16.6	31.2	ug/kg	1		10/09/24 21:54
Carbon disulfide	156	U	208	64.4	156	ug/kg	1		10/09/24 21:54
Carbon tetrachloride	19.5	U	26.0	8.10	19.5	ug/kg	1		10/09/24 21:54
Chlorobenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54

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Results of **24ELISO-TP14-8.0**

Client Sample ID: **24ELISO-TP14-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700007
Lab Project ID: 1245700

Collection Date: 09/25/24 08:55
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):73.4
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	312	U	416	129	312	ug/kg	1		10/09/24 21:54
Chloroform	9.38	U	12.5	6.23	9.38	ug/kg	1		10/09/24 21:54
Chloromethane	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
cis-1,2-Dichloroethene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
cis-1,3-Dichloropropene	19.5	U	26.0	8.10	19.5	ug/kg	1		10/09/24 21:54
Dibromochloromethane	7.80	U	10.4	3.12	7.80	ug/kg	1		10/09/24 21:54
Dibromomethane	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
Dichlorodifluoromethane	156	U	208	62.3	156	ug/kg	1		10/09/24 21:54
Ethylbenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
Freon-113	156	U	208	64.4	156	ug/kg	1		10/09/24 21:54
Hexachlorobutadiene	31.2	U	41.6	12.9	31.2	ug/kg	1		10/09/24 21:54
Isopropylbenzene (Cumene)	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
Methylene chloride	67.0	J	208	64.4	156	ug/kg	1		10/09/24 21:54
Methyl-t-butyl ether	156	U	208	64.4	156	ug/kg	1		10/09/24 21:54
Naphthalene	25.6	J	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
n-Butylbenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
n-Propylbenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
o-Xylene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
P & M -Xylene	78.0	U	104	31.2	78.0	ug/kg	1		10/09/24 21:54
sec-Butylbenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
Styrene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
tert-Butylbenzene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
Tetrachloroethene	19.5	U	26.0	8.10	19.5	ug/kg	1		10/09/24 21:54
Toluene	17.5	J	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
trans-1,2-Dichloroethene	38.9	U	51.9	16.2	38.9	ug/kg	1		10/09/24 21:54
trans-1,3-Dichloropropene	19.5	U	26.0	8.10	19.5	ug/kg	1		10/09/24 21:54
Trichloroethene	15.6	U	20.8	6.65	15.6	ug/kg	1		10/09/24 21:54
Trichlorofluoromethane	78.0	U	104	31.2	78.0	ug/kg	1		10/09/24 21:54
Vinyl acetate	156	U	208	64.4	156	ug/kg	1		10/09/24 21:54
Vinyl chloride	1.24	U	1.66	0.519	1.24	ug/kg	1		10/09/24 21:54
Xylenes (total)	117	U	156	47.4	117	ug/kg	1		10/09/24 21:54
Surrogates									
1,2-Dichloroethane-D4 (surr)	100		71-136			%	1		10/09/24 21:54
4-Bromofluorobenzene (surr)	116		55-151			%	1		10/09/24 21:54
Toluene-d8 (surr)	101		85-116			%	1		10/09/24 21:54

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Results of **24ELISO-TP14-8.0**

Client Sample ID: **24ELISO-TP14-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700007
Lab Project ID: 1245700

Collection Date: 09/25/24 08:55
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):73.4
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23784
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/09/24 21:54
Container ID: 1245700007-B

Prep Batch: VXX42057
Prep Method: SW5035A
Prep Date/Time: 09/25/24 08:55
Prep Initial Wt./Vol.: 50.439 g
Prep Extract Vol: 38.437 mL

Results of **24ELISO-TP13-9.0**

Client Sample ID: **24ELISO-TP13-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700008
Lab Project ID: 1245700

Collection Date: 09/26/24 11:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):76.8
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	8.77		1.21	0.376	0.907	mg/kg	10		10/18/24 20:08
Barium	299		0.364	0.114	0.273	mg/kg	10		10/18/24 20:08
Cadmium	0.256		0.242	0.0751	0.181	mg/kg	10		10/18/24 20:08
Chromium	32.4		1.21	0.376	0.907	mg/kg	10		10/18/24 20:08
Lead	16.4		0.242	0.0751	0.181	mg/kg	10		10/18/24 20:08
Mercury	0.181	U	0.242	0.0848	0.181	mg/kg	10		10/18/24 20:08
Selenium	1.43	J	2.42	0.751	1.81	mg/kg	10		10/18/24 20:08
Silver	0.455	U	0.606	0.182	0.455	mg/kg	10		10/18/24 20:08

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:08
Container ID: 1245700008-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.074 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP13-9.0**

Client Sample ID: **24ELISO-TP13-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700008
Lab Project ID: 1245700

Collection Date: 09/26/24 11:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):76.8
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
2-Methylnaphthalene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Acenaphthene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Acenaphthylene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Anthracene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Benzo(a)Anthracene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Benzo[a]pyrene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Benzo[b]Fluoranthene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Benzo[g,h,i]perylene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Benzo[k]fluoranthene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Chrysene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Dibenzo[a,h]anthracene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Fluoranthene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Fluorene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Indeno[1,2,3-c,d] pyrene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Naphthalene	19.3	U	25.7	6.42	19.3	ug/kg	1		11/08/24 14:32
Phenanthrene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Pyrene	24.1	U	32.1	8.02	24.1	ug/kg	1		11/08/24 14:32
Surrogates									
2-Methylnaphthalene-d10 (surr)	116		63-126			%	1		11/08/24 14:32
Fluoranthene-d10 (surr)	108		54-143			%	1		11/08/24 14:32

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 14:32
Container ID: 1245700008-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.815 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP13-9.0**

Client Sample ID: **24ELISO-TP13-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700008
Lab Project ID: 1245700

Collection Date: 09/26/24 11:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):76.8
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	24.2	J	25.7	11.6	19.3	mg/kg	1		11/06/24 22:56
Surrogates									
5a Androstane (surr)	95.5		50-150			%	1		11/06/24 22:56

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 22:56
Container ID: 1245700008-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.815 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	128	J	128	55.2	96.0	mg/kg	1		11/07/24 18:08
Surrogates									
n-Triacontane-d62 (surr)	121		50-150			%	1		11/07/24 18:08

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 18:08
Container ID: 1245700008-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.815 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP13-9.0**

Client Sample ID: **24ELISO-TP13-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700008
Lab Project ID: 1245700

Collection Date: 09/26/24 11:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):76.8
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.57	U	4.76	1.43	3.57	mg/kg	1		10/22/24 23:33
Surrogates									
4-Bromofluorobenzene (surr)	110		50-150			%	1		10/22/24 23:33

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/22/24 23:33
Container ID: 1245700008-B

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 09/26/24 11:15
Prep Initial Wt./Vol.: 50.08 g
Prep Extract Vol: 36.6055 mL

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Results of **24ELISO-TP13-9.0**

Client Sample ID: **24ELISO-TP13-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700008
Lab Project ID: 1245700

Collection Date: 09/26/24 11:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):76.8
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	28.6	U	38.1	11.8	28.6	ug/kg	1		10/09/24 22:11
1,1,1-Trichloroethane	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
1,1,2,2-Tetrachloroethane	2.86	U	3.81	1.18	2.86	ug/kg	1		10/09/24 22:11
1,1,2-Trichloroethane	1.42	U	1.90	0.951	1.42	ug/kg	1		10/09/24 22:11
1,1-Dichloroethane	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
1,1-Dichloroethene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
1,1-Dichloropropene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
1,2,3-Trichlorobenzene	143	U	190	57.1	143	ug/kg	1		10/09/24 22:11
1,2,3-Trichloropropane	2.86	U	3.81	1.18	2.86	ug/kg	1		10/09/24 22:11
1,2,4-Trichlorobenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
1,2,4-Trimethylbenzene	143	U	190	57.1	143	ug/kg	1		10/09/24 22:11
1,2-Dibromo-3-chloropropane	143	U	190	59.0	143	ug/kg	1		10/09/24 22:11
1,2-Dibromoethane	2.14	U	2.85	1.43	2.14	ug/kg	1		10/09/24 22:11
1,2-Dichlorobenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
1,2-Dichloroethane	2.86	U	3.81	1.33	2.86	ug/kg	1		10/09/24 22:11
1,2-Dichloropropane	14.3	U	19.0	9.51	14.3	ug/kg	1		10/09/24 22:11
1,3,5-Trimethylbenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
1,3-Dichlorobenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
1,3-Dichloropropane	14.3	U	19.0	5.90	14.3	ug/kg	1		10/09/24 22:11
1,4-Dichlorobenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
2,2-Dichloropropane	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
2-Butanone (MEK)	357	U	476	148	357	ug/kg	1		10/09/24 22:11
2-Chlorotoluene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
2-Hexanone	171	U	228	114	171	ug/kg	1		10/09/24 22:11
4-Chlorotoluene	28.6	U	38.1	19.0	28.6	ug/kg	1		10/09/24 22:11
4-Isopropyltoluene	114	U	152	76.1	114	ug/kg	1		10/09/24 22:11
4-Methyl-2-pentanone (MIBK)	357	U	476	148	357	ug/kg	1		10/09/24 22:11
Acetone	210	J	476	209	357	ug/kg	1		10/09/24 22:11
Benzene	17.9	U	23.8	7.42	17.9	ug/kg	1		10/09/24 22:11
Bromobenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
Bromochloromethane	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
Bromodichloromethane	2.86	U	3.81	1.18	2.86	ug/kg	1		10/09/24 22:11
Bromoform	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
Bromomethane	28.6	U	38.1	15.2	28.6	ug/kg	1		10/09/24 22:11
Carbon disulfide	143	U	190	59.0	143	ug/kg	1		10/09/24 22:11
Carbon tetrachloride	17.9	U	23.8	7.42	17.9	ug/kg	1		10/09/24 22:11
Chlorobenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11

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J flagging is activated

Results of **24ELISO-TP13-9.0**

Client Sample ID: **24ELISO-TP13-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700008
Lab Project ID: 1245700

Collection Date: 09/26/24 11:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):76.8
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	286	U	381	118	286	ug/kg	1		10/09/24 22:11
Chloroform	8.55	U	11.4	5.71	8.55	ug/kg	1		10/09/24 22:11
Chloromethane	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
cis-1,2-Dichloroethene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
cis-1,3-Dichloropropene	17.9	U	23.8	7.42	17.9	ug/kg	1		10/09/24 22:11
Dibromochloromethane	7.13	U	9.51	2.85	7.13	ug/kg	1		10/09/24 22:11
Dibromomethane	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
Dichlorodifluoromethane	143	U	190	57.1	143	ug/kg	1		10/09/24 22:11
Ethylbenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
Freon-113	143	U	190	59.0	143	ug/kg	1		10/09/24 22:11
Hexachlorobutadiene	28.6	U	38.1	11.8	28.6	ug/kg	1		10/09/24 22:11
Isopropylbenzene (Cumene)	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
Methylene chloride	75.2	J	190	59.0	143	ug/kg	1		10/09/24 22:11
Methyl-t-butyl ether	143	U	190	59.0	143	ug/kg	1		10/09/24 22:11
Naphthalene	18.5	J	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
n-Butylbenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
n-Propylbenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
o-Xylene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
P & M -Xylene	71.3	U	95.1	28.5	71.3	ug/kg	1		10/09/24 22:11
sec-Butylbenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
Styrene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
tert-Butylbenzene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
Tetrachloroethene	17.9	U	23.8	7.42	17.9	ug/kg	1		10/09/24 22:11
Toluene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
trans-1,2-Dichloroethene	35.7	U	47.6	14.8	35.7	ug/kg	1		10/09/24 22:11
trans-1,3-Dichloropropene	17.9	U	23.8	7.42	17.9	ug/kg	1		10/09/24 22:11
Trichloroethene	14.3	U	19.0	6.09	14.3	ug/kg	1		10/09/24 22:11
Trichlorofluoromethane	71.3	U	95.1	28.5	71.3	ug/kg	1		10/09/24 22:11
Vinyl acetate	143	U	190	59.0	143	ug/kg	1		10/09/24 22:11
Vinyl chloride	1.14	U	1.52	0.476	1.14	ug/kg	1		10/09/24 22:11
Xylenes (total)	107	U	143	43.4	107	ug/kg	1		10/09/24 22:11
Surrogates									
1,2-Dichloroethane-D4 (surr)	102		71-136			%	1		10/09/24 22:11
4-Bromofluorobenzene (surr)	120		55-151			%	1		10/09/24 22:11
Toluene-d8 (surr)	102		85-116			%	1		10/09/24 22:11

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J flagging is activated

Results of **24ELISO-TP13-9.0**

Client Sample ID: **24ELISO-TP13-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700008
Lab Project ID: 1245700

Collection Date: 09/26/24 11:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):76.8
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23784
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/09/24 22:11
Container ID: 1245700008-B

Prep Batch: VXX42057
Prep Method: SW5035A
Prep Date/Time: 09/26/24 11:15
Prep Initial Wt./Vol.: 50.08 g
Prep Extract Vol: 36.6055 mL

Results of **24ELISO-TP06-9.0**

Client Sample ID: **24ELISO-TP06-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700009
Lab Project ID: 1245700

Collection Date: 09/26/24 12:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.5
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	8.91		1.25	0.388	0.938	mg/kg	10		10/18/24 20:10
Barium	174		0.376	0.118	0.282	mg/kg	10		10/18/24 20:10
Cadmium	0.255		0.250	0.0776	0.188	mg/kg	10		10/18/24 20:10
Chromium	29.1		1.25	0.388	0.938	mg/kg	10		10/18/24 20:10
Lead	14.8		0.250	0.0776	0.188	mg/kg	10		10/18/24 20:10
Mercury	0.188	U	0.250	0.0877	0.188	mg/kg	10		10/18/24 20:10
Selenium	1.20	J	2.50	0.776	1.88	mg/kg	10		10/18/24 20:10
Silver	0.470	U	0.626	0.188	0.470	mg/kg	10		10/18/24 20:10

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:10
Container ID: 1245700009-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.004 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP06-9.0**

Client Sample ID: **24ELISO-TP06-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700009
Lab Project ID: 1245700

Collection Date: 09/26/24 12:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.5
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
2-Methylnaphthalene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Acenaphthene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Acenaphthylene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Anthracene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Benzo(a)Anthracene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Benzo[a]pyrene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Benzo[b]Fluoranthene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Benzo[g,h,i]perylene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Benzo[k]fluoranthene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Chrysene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Dibenzo[a,h]anthracene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Fluoranthene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Fluorene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Indeno[1,2,3-c,d] pyrene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Naphthalene	18.8	U	25.0	6.25	18.8	ug/kg	1		11/08/24 14:52
Phenanthrene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Pyrene	23.4	U	31.2	7.81	23.4	ug/kg	1		11/08/24 14:52
Surrogates									
2-Methylnaphthalene-d10 (surr)	111		63-126			%	1		11/08/24 14:52
Fluoranthene-d10 (surr)	104		54-143			%	1		11/08/24 14:52

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 14:52
Container ID: 1245700009-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.635 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP06-9.0**

Client Sample ID: **24ELISO-TP06-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700009
Lab Project ID: 1245700

Collection Date: 09/26/24 12:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.5
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	18.8	U	25.0	11.2	18.8	mg/kg	1		11/06/24 23:05
Surrogates									
5a Androstane (surr)	93		50-150			%	1		11/06/24 23:05

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 23:05
Container ID: 1245700009-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.635 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	73.2	J	125	53.7	93.8	mg/kg	1		11/06/24 23:05
Surrogates									
n-Triacontane-d62 (surr)	95.2		50-150			%	1		11/06/24 23:05

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/06/24 23:05
Container ID: 1245700009-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.635 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP06-9.0**

Client Sample ID: **24ELISO-TP06-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700009
Lab Project ID: 1245700

Collection Date: 09/26/24 12:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.5
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.23	U	4.31	1.29	3.23	mg/kg	1		10/22/24 23:51
Surrogates									
4-Bromofluorobenzene (surr)	104		50-150			%	1		10/22/24 23:51

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/22/24 23:51
Container ID: 1245700009-B

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 09/26/24 12:00
Prep Initial Wt./Vol.: 51.91 g
Prep Extract Vol: 35.6248 mL

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200 West Potter Drive Anchorage, AK 95518
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Results of **24ELISO-TP06-9.0**

Client Sample ID: **24ELISO-TP06-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700009
Lab Project ID: 1245700

Collection Date: 09/26/24 12:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.5
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	25.9	U	34.5	10.7	25.9	ug/kg	1		10/10/24 23:27
1,1,1-Trichloroethane	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
1,1,2,2-Tetrachloroethane	2.59	U	3.45	1.07	2.59	ug/kg	1		10/10/24 23:27
1,1,2-Trichloroethane	1.30	U	1.73	0.863	1.30	ug/kg	1		10/10/24 23:27
1,1-Dichloroethane	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
1,1-Dichloroethene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
1,1-Dichloropropene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
1,2,3-Trichlorobenzene	130	U	173	51.8	130	ug/kg	1		10/10/24 23:27
1,2,3-Trichloropropane	2.59	U	3.45	1.07	2.59	ug/kg	1		10/10/24 23:27
1,2,4-Trichlorobenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
1,2,4-Trimethylbenzene	130	U	173	51.8	130	ug/kg	1		10/10/24 23:27
1,2-Dibromo-3-chloropropane	130	U	173	53.5	130	ug/kg	1		10/10/24 23:27
1,2-Dibromoethane	1.94	U	2.59	1.29	1.94	ug/kg	1		10/10/24 23:27
1,2-Dichlorobenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
1,2-Dichloroethane	2.59	U	3.45	1.21	2.59	ug/kg	1		10/10/24 23:27
1,2-Dichloropropane	13.0	U	17.3	8.63	13.0	ug/kg	1		10/10/24 23:27
1,3,5-Trimethylbenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
1,3-Dichlorobenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
1,3-Dichloropropane	13.0	U	17.3	5.35	13.0	ug/kg	1		10/10/24 23:27
1,4-Dichlorobenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
2,2-Dichloropropane	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
2-Butanone (MEK)	323	U	431	135	323	ug/kg	1		10/10/24 23:27
2-Chlorotoluene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
2-Hexanone	155	U	207	104	155	ug/kg	1		10/10/24 23:27
4-Chlorotoluene	25.9	U	34.5	17.3	25.9	ug/kg	1		10/10/24 23:27
4-Isopropyltoluene	104	U	138	69.0	104	ug/kg	1		10/10/24 23:27
4-Methyl-2-pentanone (MIBK)	323	U	431	135	323	ug/kg	1		10/10/24 23:27
Acetone	323	U	431	190	323	ug/kg	1		10/10/24 23:27
Benzene	16.2	U	21.6	6.73	16.2	ug/kg	1		10/10/24 23:27
Bromobenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
Bromochloromethane	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
Bromodichloromethane	2.59	U	3.45	1.07	2.59	ug/kg	1		10/10/24 23:27
Bromoform	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
Bromomethane	25.9	U	34.5	13.8	25.9	ug/kg	1		10/10/24 23:27
Carbon disulfide	130	U	173	53.5	130	ug/kg	1		10/10/24 23:27
Carbon tetrachloride	16.2	U	21.6	6.73	16.2	ug/kg	1		10/10/24 23:27
Chlorobenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27

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Results of **24ELISO-TP06-9.0**

Client Sample ID: **24ELISO-TP06-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700009
Lab Project ID: 1245700

Collection Date: 09/26/24 12:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.5
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	259	U	345	107	259	ug/kg	1		10/10/24 23:27
Chloroform	7.80	U	10.4	5.18	7.80	ug/kg	1		10/10/24 23:27
Chloromethane	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
cis-1,2-Dichloroethene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
cis-1,3-Dichloropropene	16.2	U	21.6	6.73	16.2	ug/kg	1		10/10/24 23:27
Dibromochloromethane	6.47	U	8.63	2.59	6.47	ug/kg	1		10/10/24 23:27
Dibromomethane	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
Dichlorodifluoromethane	130	U	173	51.8	130	ug/kg	1		10/10/24 23:27
Ethylbenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
Freon-113	130	U	173	53.5	130	ug/kg	1		10/10/24 23:27
Hexachlorobutadiene	25.9	U	34.5	10.7	25.9	ug/kg	1		10/10/24 23:27
Isopropylbenzene (Cumene)	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
Methylene chloride	72.1	J	173	53.5	130	ug/kg	1		10/10/24 23:27
Methyl-t-butyl ether	130	U	173	53.5	130	ug/kg	1		10/10/24 23:27
Naphthalene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
n-Butylbenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
n-Propylbenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
o-Xylene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
P & M -Xylene	64.7	U	86.3	25.9	64.7	ug/kg	1		10/10/24 23:27
sec-Butylbenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
Styrene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
tert-Butylbenzene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
Tetrachloroethene	16.2	U	21.6	6.73	16.2	ug/kg	1		10/10/24 23:27
Toluene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
trans-1,2-Dichloroethene	32.3	U	43.1	13.5	32.3	ug/kg	1		10/10/24 23:27
trans-1,3-Dichloropropene	16.2	U	21.6	6.73	16.2	ug/kg	1		10/10/24 23:27
Trichloroethene	13.0	U	17.3	5.52	13.0	ug/kg	1		10/10/24 23:27
Trichlorofluoromethane	64.7	U	86.3	25.9	64.7	ug/kg	1		10/10/24 23:27
Vinyl acetate	130	U	173	53.5	130	ug/kg	1		10/10/24 23:27
Vinyl chloride	1.03	U	1.38	0.431	1.03	ug/kg	1		10/10/24 23:27
Xylenes (total)	96.8	U	129	39.3	96.8	ug/kg	1		10/10/24 23:27
Surrogates									
1,2-Dichloroethane-D4 (surr)	103		71-136			%	1		10/10/24 23:27
4-Bromofluorobenzene (surr)	93.5		55-151			%	1		10/10/24 23:27
Toluene-d8 (surr)	100		85-116			%	1		10/10/24 23:27

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP06-9.0**

Client Sample ID: **24ELISO-TP06-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700009
Lab Project ID: 1245700

Collection Date: 09/26/24 12:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.5
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23921
Analytical Method: SW8260D
Analyst: CJG
Analytical Date/Time: 10/10/24 23:27
Container ID: 1245700009-B

Prep Batch: VXX42290
Prep Method: SW5035A
Prep Date/Time: 09/26/24 12:00
Prep Initial Wt./Vol.: 51.91 g
Prep Extract Vol: 35.6248 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP10-3.0**

Client Sample ID: **24ELISO-TP10-3.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700010
Lab Project ID: 1245700

Collection Date: 09/26/24 13:40
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.6
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	2.84		1.11	0.344	0.833	mg/kg	10		10/18/24 20:12
Barium	31.6		0.332	0.104	0.249	mg/kg	10		10/18/24 20:12
Cadmium	0.167	J	0.222	0.0687	0.167	mg/kg	10		10/18/24 20:12
Chromium	6.06		1.11	0.344	0.833	mg/kg	10		10/18/24 20:12
Lead	3.75		0.222	0.0687	0.167	mg/kg	10		10/18/24 20:12
Mercury	0.167	U	0.222	0.0776	0.167	mg/kg	10		10/18/24 20:12
Selenium	1.15	J	2.22	0.687	1.67	mg/kg	10		10/18/24 20:12
Silver	0.416	U	0.554	0.166	0.416	mg/kg	10		10/18/24 20:12

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:12
Container ID: 1245700010-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.03 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP10-3.0**

Client Sample ID: **24ELISO-TP10-3.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700010
Lab Project ID: 1245700

Collection Date: 09/26/24 13:40
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.6
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual		LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
2-Methylnaphthalene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Acenaphthene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Acenaphthylene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Anthracene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Benzo(a)Anthracene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Benzo[a]pyrene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Benzo[b]Fluoranthene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Benzo[g,h,i]perylene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Benzo[k]fluoranthene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Chrysene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Dibenzo[a,h]anthracene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Fluoranthene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Fluorene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Indeno[1,2,3-c,d] pyrene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Naphthalene	17.0	U		22.7	5.67	17.0	ug/kg	1		11/08/24 15:13
Phenanthrene	21.2	U		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Pyrene	9.47	J		28.3	7.08	21.2	ug/kg	1		11/08/24 15:13
Surrogates										
2-Methylnaphthalene-d10 (surr)	127		*	63-126			%	1		11/08/24 15:13
Fluoranthene-d10 (surr)	104			54-143			%	1		11/08/24 15:13

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 15:13
Container ID: 1245700010-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.663 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP10-3.0**

Client Sample ID: **24ELISO-TP10-3.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700010
Lab Project ID: 1245700

Collection Date: 09/26/24 13:40
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.6
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	414		22.7	10.2	17.0	mg/kg	1		11/06/24 23:15
Surrogates									
5a Androstane (surr)	99.4		50-150			%	1		11/06/24 23:15

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 23:15
Container ID: 1245700010-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.663 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	456		113	48.7	84.8	mg/kg	1		11/07/24 18:17
Surrogates									
n-Triacontane-d62 (surr)	104		50-150			%	1		11/07/24 18:17

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 18:17
Container ID: 1245700010-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.663 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP10-3.0**

Client Sample ID: **24ELISO-TP10-3.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700010
Lab Project ID: 1245700

Collection Date: 09/26/24 13:40
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.6
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	2.63	U	3.50	1.05	2.63	mg/kg	1		10/10/24 09:51
Surrogates									
4-Bromofluorobenzene (surr)	111		50-150			%	1		10/10/24 09:51

Batch Information

Analytical Batch: VFC17026
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/10/24 09:51
Container ID: 1245700010-B

Prep Batch: VXX42053
Prep Method: SW5035A
Prep Date/Time: 09/26/24 13:40
Prep Initial Wt./Vol.: 51.151 g
Prep Extract Vol: 31.3337 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP10-3.0**

Client Sample ID: **24ELISO-TP10-3.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700010
Lab Project ID: 1245700

Collection Date: 09/26/24 13:40
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.6
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	21.0	U	28.0	8.67	21.0	ug/kg	1		10/10/24 23:43
1,1,1-Trichloroethane	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
1,1,2,2-Tetrachloroethane	2.10	U	2.80	0.867	2.10	ug/kg	1		10/10/24 23:43
1,1,2-Trichloroethane	1.05	U	1.40	0.699	1.05	ug/kg	1		10/10/24 23:43
1,1-Dichloroethane	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
1,1-Dichloroethene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
1,1-Dichloropropene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
1,2,3-Trichlorobenzene	105	U	140	41.9	105	ug/kg	1		10/10/24 23:43
1,2,3-Trichloropropane	2.10	U	2.80	0.867	2.10	ug/kg	1		10/10/24 23:43
1,2,4-Trichlorobenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
1,2,4-Trimethylbenzene	105	U	140	41.9	105	ug/kg	1		10/10/24 23:43
1,2-Dibromo-3-chloropropane	105	U	140	43.3	105	ug/kg	1		10/10/24 23:43
1,2-Dibromoethane	1.58	U	2.10	1.05	1.58	ug/kg	1		10/10/24 23:43
1,2-Dichlorobenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
1,2-Dichloroethane	2.10	U	2.80	0.979	2.10	ug/kg	1		10/10/24 23:43
1,2-Dichloropropane	10.5	U	14.0	6.99	10.5	ug/kg	1		10/10/24 23:43
1,3,5-Trimethylbenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
1,3-Dichlorobenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
1,3-Dichloropropane	10.5	U	14.0	4.33	10.5	ug/kg	1		10/10/24 23:43
1,4-Dichlorobenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
2,2-Dichloropropane	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
2-Butanone (MEK)	263	U	350	109	263	ug/kg	1		10/10/24 23:43
2-Chlorotoluene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
2-Hexanone	126	U	168	83.9	126	ug/kg	1		10/10/24 23:43
4-Chlorotoluene	21.0	U	28.0	14.0	21.0	ug/kg	1		10/10/24 23:43
4-Isopropyltoluene	84.0	U	112	55.9	84.0	ug/kg	1		10/10/24 23:43
4-Methyl-2-pentanone (MIBK)	263	U	350	109	263	ug/kg	1		10/10/24 23:43
Acetone	263	U	350	154	263	ug/kg	1		10/10/24 23:43
Benzene	13.1	U	17.5	5.45	13.1	ug/kg	1		10/10/24 23:43
Bromobenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
Bromochloromethane	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
Bromodichloromethane	2.10	U	2.80	0.867	2.10	ug/kg	1		10/10/24 23:43
Bromoform	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
Bromomethane	21.0	U	28.0	11.2	21.0	ug/kg	1		10/10/24 23:43
Carbon disulfide	105	U	140	43.3	105	ug/kg	1		10/10/24 23:43
Carbon tetrachloride	13.1	U	17.5	5.45	13.1	ug/kg	1		10/10/24 23:43
Chlorobenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43

Results of **24ELISO-TP10-3.0**

Client Sample ID: **24ELISO-TP10-3.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700010
Lab Project ID: 1245700

Collection Date: 09/26/24 13:40
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.6
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	210	U	280	86.7	210	ug/kg	1		10/10/24 23:43
Chloroform	6.29	U	8.39	4.19	6.29	ug/kg	1		10/10/24 23:43
Chloromethane	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
cis-1,2-Dichloroethene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
cis-1,3-Dichloropropene	13.1	U	17.5	5.45	13.1	ug/kg	1		10/10/24 23:43
Dibromochloromethane	5.24	U	6.99	2.10	5.24	ug/kg	1		10/10/24 23:43
Dibromomethane	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
Dichlorodifluoromethane	105	U	140	41.9	105	ug/kg	1		10/10/24 23:43
Ethylbenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
Freon-113	105	U	140	43.3	105	ug/kg	1		10/10/24 23:43
Hexachlorobutadiene	21.0	U	28.0	8.67	21.0	ug/kg	1		10/10/24 23:43
Isopropylbenzene (Cumene)	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
Methylene chloride	53.8	J	140	43.3	105	ug/kg	1		10/10/24 23:43
Methyl-t-butyl ether	105	U	140	43.3	105	ug/kg	1		10/10/24 23:43
Naphthalene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
n-Butylbenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
n-Propylbenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
o-Xylene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
P & M -Xylene	52.4	U	69.9	21.0	52.4	ug/kg	1		10/10/24 23:43
sec-Butylbenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
Styrene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
tert-Butylbenzene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
Tetrachloroethene	13.1	U	17.5	5.45	13.1	ug/kg	1		10/10/24 23:43
Toluene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
trans-1,2-Dichloroethene	26.3	U	35.0	10.9	26.3	ug/kg	1		10/10/24 23:43
trans-1,3-Dichloropropene	13.1	U	17.5	5.45	13.1	ug/kg	1		10/10/24 23:43
Trichloroethene	10.5	U	14.0	4.47	10.5	ug/kg	1		10/10/24 23:43
Trichlorofluoromethane	52.4	U	69.9	21.0	52.4	ug/kg	1		10/10/24 23:43
Vinyl acetate	105	U	140	43.3	105	ug/kg	1		10/10/24 23:43
Vinyl chloride	0.840	U	1.12	0.350	0.840	ug/kg	1		10/10/24 23:43
Xylenes (total)	78.8	U	105	31.9	78.8	ug/kg	1		10/10/24 23:43
Surrogates									
1,2-Dichloroethane-D4 (surr)	104		71-136			%	1		10/10/24 23:43
4-Bromofluorobenzene (surr)	92.7		55-151			%	1		10/10/24 23:43
Toluene-d8 (surr)	93.8		85-116			%	1		10/10/24 23:43

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J flagging is activated

Results of **24ELISO-TP10-3.0**

Client Sample ID: **24ELISO-TP10-3.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700010
Lab Project ID: 1245700

Collection Date: 09/26/24 13:40
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.6
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23921
Analytical Method: SW8260D
Analyst: CJG
Analytical Date/Time: 10/10/24 23:43
Container ID: 1245700010-B

Prep Batch: VXX42290
Prep Method: SW5035A
Prep Date/Time: 09/26/24 13:40
Prep Initial Wt./Vol.: 51.151 g
Prep Extract Vol: 31.3337 mL

Results of **24ELISO-TP09-10.0**

Client Sample ID: **24ELISO-TP09-10.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700011
Lab Project ID: 1245700

Collection Date: 09/26/24 15:33
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.8
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	5.57		1.15	0.356	0.862	mg/kg	10		10/18/24 20:15
Barium	74.9		0.345	0.108	0.259	mg/kg	10		10/18/24 20:15
Cadmium	0.562		0.230	0.0713	0.173	mg/kg	10		10/18/24 20:15
Chromium	20.2		1.15	0.356	0.862	mg/kg	10		10/18/24 20:15
Lead	10.1		0.230	0.0713	0.173	mg/kg	10		10/18/24 20:15
Mercury	0.173	U	0.230	0.0805	0.173	mg/kg	10		10/18/24 20:15
Selenium	1.13	J	2.30	0.713	1.72	mg/kg	10		10/18/24 20:15
Silver	0.431	U	0.575	0.172	0.431	mg/kg	10		10/18/24 20:15

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:15
Container ID: 1245700011-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.014 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP09-10.0**

Client Sample ID: **24ELISO-TP09-10.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700011
Lab Project ID: 1245700

Collection Date: 09/26/24 15:33
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.8
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
2-Methylnaphthalene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Acenaphthene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Acenaphthylene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Anthracene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Benzo(a)Anthracene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Benzo[a]pyrene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Benzo[b]Fluoranthene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Benzo[g,h,i]perylene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Benzo[k]fluoranthene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Chrysene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Dibenzo[a,h]anthracene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Fluoranthene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Fluorene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Indeno[1,2,3-c,d] pyrene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Naphthalene	17.4	U	23.2	5.79	17.4	ug/kg	1		11/08/24 15:33
Phenanthrene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Pyrene	21.8	U	29.0	7.24	21.8	ug/kg	1		11/08/24 15:33
Surrogates									
2-Methylnaphthalene-d10 (surr)	111		63-126			%	1		11/08/24 15:33
Fluoranthene-d10 (surr)	106		54-143			%	1		11/08/24 15:33

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 15:33
Container ID: 1245700011-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.642 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP09-10.0**

Client Sample ID: **24ELISO-TP09-10.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700011
Lab Project ID: 1245700

Collection Date: 09/26/24 15:33
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.8
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	12.4	J	23.2	10.4	17.4	mg/kg	1		11/06/24 23:24
Surrogates									
5a Androstane (surr)	95.2		50-150			%	1		11/06/24 23:24

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 23:24
Container ID: 1245700011-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.642 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	87.8	J	116	49.8	87.0	mg/kg	1		11/06/24 23:24
Surrogates									
n-Triacontane-d62 (surr)	98.2		50-150			%	1		11/06/24 23:24

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/06/24 23:24
Container ID: 1245700011-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.642 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP09-10.0**

Client Sample ID: **24ELISO-TP09-10.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700011
Lab Project ID: 1245700

Collection Date: 09/26/24 15:33
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.8
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	2.87	U	3.83	1.15	2.87	mg/kg	1		10/10/24 10:10
Surrogates									
4-Bromofluorobenzene (surr)	116		50-150			%	1		10/10/24 10:10

Batch Information

Analytical Batch: VFC17026
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/10/24 10:10
Container ID: 1245700011-B

Prep Batch: VXX42053
Prep Method: SW5035A
Prep Date/Time: 09/26/24 15:33
Prep Initial Wt./Vol.: 48.545 g
Prep Extract Vol: 31.8932 mL

Results of **24ELISO-TP09-10.0**

Client Sample ID: **24ELISO-TP09-10.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700011
Lab Project ID: 1245700

Collection Date: 09/26/24 15:33
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.8
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	23.0	U	30.6	9.49	23.0	ug/kg	1		10/11/24 18:07
1,1,1-Trichloroethane	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
1,1,2,2-Tetrachloroethane	2.29	U	3.06	0.949	2.29	ug/kg	1		10/11/24 18:07
1,1,2-Trichloroethane	1.15	U	1.53	0.766	1.15	ug/kg	1		10/11/24 18:07
1,1-Dichloroethane	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
1,1-Dichloroethene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
1,1-Dichloropropene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
1,2,3-Trichlorobenzene	115	U	153	45.9	115	ug/kg	1		10/11/24 18:07
1,2,3-Trichloropropane	2.29	U	3.06	0.949	2.29	ug/kg	1		10/11/24 18:07
1,2,4-Trichlorobenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
1,2,4-Trimethylbenzene	115	U	153	45.9	115	ug/kg	1		10/11/24 18:07
1,2-Dibromo-3-chloropropane	115	U	153	47.5	115	ug/kg	1		10/11/24 18:07
1,2-Dibromoethane	1.72	U	2.30	1.15	1.72	ug/kg	1		10/11/24 18:07
1,2-Dichlorobenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
1,2-Dichloroethane	2.29	U	3.06	1.07	2.29	ug/kg	1		10/11/24 18:07
1,2-Dichloropropane	11.5	U	15.3	7.66	11.5	ug/kg	1		10/11/24 18:07
1,3,5-Trimethylbenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
1,3-Dichlorobenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
1,3-Dichloropropane	11.5	U	15.3	4.75	11.5	ug/kg	1		10/11/24 18:07
1,4-Dichlorobenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
2,2-Dichloropropane	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
2-Butanone (MEK)	287	U	383	119	287	ug/kg	1		10/11/24 18:07
2-Chlorotoluene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
2-Hexanone	138	U	184	91.9	138	ug/kg	1		10/11/24 18:07
4-Chlorotoluene	23.0	U	30.6	15.3	23.0	ug/kg	1		10/11/24 18:07
4-Isopropyltoluene	92.3	U	123	61.3	92.3	ug/kg	1		10/11/24 18:07
4-Methyl-2-pentanone (MIBK)	287	U	383	119	287	ug/kg	1		10/11/24 18:07
Acetone	287	U	383	168	287	ug/kg	1		10/11/24 18:07
Benzene	14.3	U	19.1	5.97	14.3	ug/kg	1		10/11/24 18:07
Bromobenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
Bromochloromethane	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
Bromodichloromethane	2.29	U	3.06	0.949	2.29	ug/kg	1		10/11/24 18:07
Bromoform	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
Bromomethane	23.0	U	30.6	12.3	23.0	ug/kg	1		10/11/24 18:07
Carbon disulfide	115	U	153	47.5	115	ug/kg	1		10/11/24 18:07
Carbon tetrachloride	14.3	U	19.1	5.97	14.3	ug/kg	1		10/11/24 18:07
Chlorobenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07

Results of **24ELISO-TP09-10.0**

Client Sample ID: **24ELISO-TP09-10.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700011
Lab Project ID: 1245700

Collection Date: 09/26/24 15:33
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.8
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	230	U	306	94.9	230	ug/kg	1		10/11/24 18:07
Chloroform	6.89	U	9.19	4.59	6.89	ug/kg	1		10/11/24 18:07
Chloromethane	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
cis-1,2-Dichloroethene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
cis-1,3-Dichloropropene	14.3	U	19.1	5.97	14.3	ug/kg	1		10/11/24 18:07
Dibromochloromethane	5.75	U	7.66	2.30	5.75	ug/kg	1		10/11/24 18:07
Dibromomethane	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
Dichlorodifluoromethane	115	U	153	45.9	115	ug/kg	1		10/11/24 18:07
Ethylbenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
Freon-113	115	U	153	47.5	115	ug/kg	1		10/11/24 18:07
Hexachlorobutadiene	23.0	U	30.6	9.49	23.0	ug/kg	1		10/11/24 18:07
Isopropylbenzene (Cumene)	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
Methylene chloride	88.2	J	153	47.5	115	ug/kg	1		10/11/24 18:07
Methyl-t-butyl ether	115	U	153	47.5	115	ug/kg	1		10/11/24 18:07
Naphthalene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
n-Butylbenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
n-Propylbenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
o-Xylene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
P & M -Xylene	57.4	U	76.6	23.0	57.4	ug/kg	1		10/11/24 18:07
sec-Butylbenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
Styrene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
tert-Butylbenzene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
Tetrachloroethene	14.3	U	19.1	5.97	14.3	ug/kg	1		10/11/24 18:07
Toluene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
trans-1,2-Dichloroethene	28.7	U	38.3	11.9	28.7	ug/kg	1		10/11/24 18:07
trans-1,3-Dichloropropene	14.3	U	19.1	5.97	14.3	ug/kg	1		10/11/24 18:07
Trichloroethene	11.5	U	15.3	4.90	11.5	ug/kg	1		10/11/24 18:07
Trichlorofluoromethane	57.4	U	76.6	23.0	57.4	ug/kg	1		10/11/24 18:07
Vinyl acetate	115	U	153	47.5	115	ug/kg	1		10/11/24 18:07
Vinyl chloride	0.922	U	1.23	0.383	0.922	ug/kg	1		10/11/24 18:07
Xylenes (total)	86.3	U	115	34.9	86.3	ug/kg	1		10/11/24 18:07
Surrogates									
1,2-Dichloroethane-D4 (surr)	99.2		71-136			%	1		10/11/24 18:07
4-Bromofluorobenzene (surr)	127		55-151			%	1		10/11/24 18:07
Toluene-d8 (surr)	101		85-116			%	1		10/11/24 18:07

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP09-10.0**

Client Sample ID: **24ELISO-TP09-10.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700011
Lab Project ID: 1245700

Collection Date: 09/26/24 15:33
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.8
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 18:07
Container ID: 1245700011-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/26/24 15:33
Prep Initial Wt./Vol.: 48.545 g
Prep Extract Vol: 31.8932 mL

Results of **24ELISO-TP05-4.0**

Client Sample ID: **24ELISO-TP05-4.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700012
Lab Project ID: 1245700

Collection Date: 09/26/24 16:35
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):83.9
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	5.42		1.12	0.347	0.840	mg/kg	10		10/18/24 20:17
Barium	72.8		0.336	0.105	0.252	mg/kg	10		10/18/24 20:17
Cadmium	0.297		0.224	0.0695	0.168	mg/kg	10		10/18/24 20:17
Chromium	16.1		1.12	0.347	0.840	mg/kg	10		10/18/24 20:17
Lead	8.85		0.224	0.0695	0.168	mg/kg	10		10/18/24 20:17
Mercury	0.168	U	0.224	0.0785	0.168	mg/kg	10		10/18/24 20:17
Selenium	1.48	J	2.24	0.695	1.68	mg/kg	10		10/18/24 20:17
Silver	0.420	U	0.560	0.168	0.420	mg/kg	10		10/18/24 20:17

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:17
Container ID: 1245700012-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.064 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP05-4.0**

Client Sample ID: **24ELISO-TP05-4.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700012
Lab Project ID: 1245700

Collection Date: 09/26/24 16:35
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):83.9
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
2-Methylnaphthalene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Acenaphthene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Acenaphthylene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Anthracene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Benzo(a)Anthracene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Benzo[a]pyrene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Benzo[b]Fluoranthene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Benzo[g,h,i]perylene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Benzo[k]fluoranthene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Chrysene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Dibenzo[a,h]anthracene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Fluoranthene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Fluorene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Indeno[1,2,3-c,d] pyrene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Naphthalene	17.6	U	23.5	5.86	17.6	ug/kg	1		11/08/24 15:54
Phenanthrene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Pyrene	22.0	U	29.3	7.33	22.0	ug/kg	1		11/08/24 15:54
Surrogates									
2-Methylnaphthalene-d10 (surr)	110		63-126			%	1		11/08/24 15:54
Fluoranthene-d10 (surr)	104		54-143			%	1		11/08/24 15:54

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 15:54
Container ID: 1245700012-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.88 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP05-4.0**

Client Sample ID: **24ELISO-TP05-4.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700012
Lab Project ID: 1245700

Collection Date: 09/26/24 16:35
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):83.9
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	17.6	U	23.5	10.6	17.6	mg/kg	1		11/06/24 23:33
Surrogates									
5a Androstane (surr)	94		50-150			%	1		11/06/24 23:33

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 23:33
Container ID: 1245700012-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.88 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	67.4	J	117	50.4	87.8	mg/kg	1		11/06/24 23:33
Surrogates									
n-Triacontane-d62 (surr)	97.6		50-150			%	1		11/06/24 23:33

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/06/24 23:33
Container ID: 1245700012-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.88 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP05-4.0**

Client Sample ID: **24ELISO-TP05-4.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700012
Lab Project ID: 1245700

Collection Date: 09/26/24 16:35
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):83.9
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	2.95	U	3.93	1.18	2.95	mg/kg	1		10/10/24 10:28
Surrogates									
4-Bromofluorobenzene (surr)	120		50-150			%	1		10/10/24 10:28

Batch Information

Analytical Batch: VFC17026
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/10/24 10:28
Container ID: 1245700012-B

Prep Batch: VXX42053
Prep Method: SW5035A
Prep Date/Time: 09/26/24 16:35
Prep Initial Wt./Vol.: 50.2 g
Prep Extract Vol: 33.1019 mL

Results of **24ELISO-TP05-4.0**

Client Sample ID: **24ELISO-TP05-4.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700012
Lab Project ID: 1245700

Collection Date: 09/26/24 16:35
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):83.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	23.6	U	31.5	9.75	23.6	ug/kg	1		10/10/24 19:30
1,1,1-Trichloroethane	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
1,1,2,2-Tetrachloroethane	2.36	U	3.15	0.975	2.36	ug/kg	1		10/10/24 19:30
1,1,2-Trichloroethane	1.18	U	1.57	0.786	1.18	ug/kg	1		10/10/24 19:30
1,1-Dichloroethane	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
1,1-Dichloroethene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
1,1-Dichloropropene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
1,2,3-Trichlorobenzene	118	U	157	47.2	118	ug/kg	1		10/10/24 19:30
1,2,3-Trichloropropane	2.36	U	3.15	0.975	2.36	ug/kg	1		10/10/24 19:30
1,2,4-Trichlorobenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
1,2,4-Trimethylbenzene	118	U	157	47.2	118	ug/kg	1		10/10/24 19:30
1,2-Dibromo-3-chloropropane	118	U	157	48.8	118	ug/kg	1		10/10/24 19:30
1,2-Dibromoethane	1.77	U	2.36	1.18	1.77	ug/kg	1		10/10/24 19:30
1,2-Dichlorobenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
1,2-Dichloroethane	2.36	U	3.15	1.10	2.36	ug/kg	1		10/10/24 19:30
1,2-Dichloropropane	11.8	U	15.7	7.86	11.8	ug/kg	1		10/10/24 19:30
1,3,5-Trimethylbenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
1,3-Dichlorobenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
1,3-Dichloropropane	11.8	U	15.7	4.88	11.8	ug/kg	1		10/10/24 19:30
1,4-Dichlorobenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
2,2-Dichloropropane	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
2-Butanone (MEK)	295	U	393	123	295	ug/kg	1		10/10/24 19:30
2-Chlorotoluene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
2-Hexanone	142	U	189	94.4	142	ug/kg	1		10/10/24 19:30
4-Chlorotoluene	23.6	U	31.5	15.7	23.6	ug/kg	1		10/10/24 19:30
4-Isopropyltoluene	94.5	U	126	62.9	94.5	ug/kg	1		10/10/24 19:30
4-Methyl-2-pentanone (MIBK)	295	U	393	123	295	ug/kg	1		10/10/24 19:30
Acetone	295	U	393	173	295	ug/kg	1		10/10/24 19:30
Benzene	14.8	U	19.7	6.13	14.8	ug/kg	1		10/10/24 19:30
Bromobenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
Bromochloromethane	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
Bromodichloromethane	2.36	U	3.15	0.975	2.36	ug/kg	1		10/10/24 19:30
Bromoform	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
Bromomethane	23.6	U	31.5	12.6	23.6	ug/kg	1		10/10/24 19:30
Carbon disulfide	118	U	157	48.8	118	ug/kg	1		10/10/24 19:30
Carbon tetrachloride	14.8	U	19.7	6.13	14.8	ug/kg	1		10/10/24 19:30
Chlorobenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30

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J flagging is activated

Results of **24ELISO-TP05-4.0**

Client Sample ID: **24ELISO-TP05-4.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700012
Lab Project ID: 1245700

Collection Date: 09/26/24 16:35
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):83.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	236	U	315	97.5	236	ug/kg	1		10/10/24 19:30
Chloroform	7.08	U	9.44	4.72	7.08	ug/kg	1		10/10/24 19:30
Chloromethane	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
cis-1,2-Dichloroethene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
cis-1,3-Dichloropropene	14.8	U	19.7	6.13	14.8	ug/kg	1		10/10/24 19:30
Dibromochloromethane	5.90	U	7.86	2.36	5.90	ug/kg	1		10/10/24 19:30
Dibromomethane	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
Dichlorodifluoromethane	118	U	157	47.2	118	ug/kg	1		10/10/24 19:30
Ethylbenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
Freon-113	118	U	157	48.8	118	ug/kg	1		10/10/24 19:30
Hexachlorobutadiene	23.6	U	31.5	9.75	23.6	ug/kg	1		10/10/24 19:30
Isopropylbenzene (Cumene)	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
Methylene chloride	118	U	157	48.8	118	ug/kg	1		10/10/24 19:30
Methyl-t-butyl ether	118	U	157	48.8	118	ug/kg	1		10/10/24 19:30
Naphthalene	18.1	J	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
n-Butylbenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
n-Propylbenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
o-Xylene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
P & M -Xylene	58.9	U	78.6	23.6	58.9	ug/kg	1		10/10/24 19:30
sec-Butylbenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
Styrene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
tert-Butylbenzene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
Tetrachloroethene	14.8	U	19.7	6.13	14.8	ug/kg	1		10/10/24 19:30
Toluene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
trans-1,2-Dichloroethene	29.5	U	39.3	12.3	29.5	ug/kg	1		10/10/24 19:30
trans-1,3-Dichloropropene	14.8	U	19.7	6.13	14.8	ug/kg	1		10/10/24 19:30
Trichloroethene	11.8	U	15.7	5.03	11.8	ug/kg	1		10/10/24 19:30
Trichlorofluoromethane	58.9	U	78.6	23.6	58.9	ug/kg	1		10/10/24 19:30
Vinyl acetate	118	U	157	48.8	118	ug/kg	1		10/10/24 19:30
Vinyl chloride	0.945	U	1.26	0.393	0.945	ug/kg	1		10/10/24 19:30
Xylenes (total)	88.5	U	118	35.9	88.5	ug/kg	1		10/10/24 19:30
Surrogates									
1,2-Dichloroethane-D4 (surr)	93.7		71-136			%	1		10/10/24 19:30
4-Bromofluorobenzene (surr)	106		55-151			%	1		10/10/24 19:30
Toluene-d8 (surr)	106		85-116			%	1		10/10/24 19:30

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP05-4.0**

Client Sample ID: **24ELISO-TP05-4.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700012
Lab Project ID: 1245700

Collection Date: 09/26/24 16:35
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):83.9
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23921
Analytical Method: SW8260D
Analyst: CJG
Analytical Date/Time: 10/10/24 19:30
Container ID: 1245700012-B

Prep Batch: VXX42290
Prep Method: SW5035A
Prep Date/Time: 09/26/24 16:35
Prep Initial Wt./Vol.: 50.2 g
Prep Extract Vol: 33.1019 mL

Results of **24ELISO-TP12-9.0**

Client Sample ID: **24ELISO-TP12-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700013
Lab Project ID: 1245700

Collection Date: 09/26/24 17:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	7.37		1.21	0.375	0.907	mg/kg	10		10/18/24 20:27
Barium	111		0.363	0.114	0.272	mg/kg	10		10/18/24 20:27
Cadmium	0.190	J	0.242	0.0750	0.181	mg/kg	10		10/18/24 20:27
Chromium	20.2		1.21	0.375	0.907	mg/kg	10		10/18/24 20:27
Lead	10.4		0.242	0.0750	0.181	mg/kg	10		10/18/24 20:27
Mercury	0.181	U	0.242	0.0847	0.181	mg/kg	10		10/18/24 20:27
Selenium	1.81	J	2.42	0.750	1.81	mg/kg	10		10/18/24 20:27
Silver	0.454	U	0.605	0.182	0.454	mg/kg	10		10/18/24 20:27

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:27
Container ID: 1245700013-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.022 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP12-9.0**

Client Sample ID: **24ELISO-TP12-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700013
Lab Project ID: 1245700

Collection Date: 09/26/24 17:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
2-Methylnaphthalene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Acenaphthene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Acenaphthylene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Anthracene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Benzo(a)Anthracene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Benzo[a]pyrene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Benzo[b]Fluoranthene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Benzo[g,h,i]perylene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Benzo[k]fluoranthene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Chrysene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Dibenzo[a,h]anthracene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Fluoranthene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Fluorene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Indeno[1,2,3-c,d] pyrene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Naphthalene	18.3	U	24.4	6.09	18.3	ug/kg	1		11/08/24 16:15
Phenanthrene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Pyrene	22.9	U	30.5	7.61	22.9	ug/kg	1		11/08/24 16:15
Surrogates									
2-Methylnaphthalene-d10 (surr)	112		63-126			%	1		11/08/24 16:15
Fluoranthene-d10 (surr)	104		54-143			%	1		11/08/24 16:15

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 16:15
Container ID: 1245700013-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.844 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP12-9.0**

Client Sample ID: **24ELISO-TP12-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700013
Lab Project ID: 1245700

Collection Date: 09/26/24 17:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	16.7	J	24.4	11.0	18.3	mg/kg	1		11/06/24 23:43
Surrogates									
5a Androstane (surr)	112		50-150			%	1		11/06/24 23:43

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 23:43
Container ID: 1245700013-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.844 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	149		122	52.4	91.5	mg/kg	1		11/07/24 18:27
Surrogates									
n-Triacontane-d62 (surr)	123		50-150			%	1		11/07/24 18:27

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 18:27
Container ID: 1245700013-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.844 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP12-9.0**

Client Sample ID: **24ELISO-TP12-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700013
Lab Project ID: 1245700

Collection Date: 09/26/24 17:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.10	U	4.14	1.24	3.10	mg/kg	1		10/10/24 10:47
Surrogates									
4-Bromofluorobenzene (surr)	121		50-150			%	1		10/10/24 10:47

Batch Information

Analytical Batch: VFC17026
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/10/24 10:47
Container ID: 1245700013-B

Prep Batch: VXX42053
Prep Method: SW5035A
Prep Date/Time: 09/26/24 17:15
Prep Initial Wt./Vol.: 52.363 g
Prep Extract Vol: 35.0242 mL

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Results of **24ELISO-TP12-9.0**

Client Sample ID: **24ELISO-TP12-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700013
Lab Project ID: 1245700

Collection Date: 09/26/24 17:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	24.8	U	33.1	10.3	24.8	ug/kg	1		10/10/24 19:46
1,1,1-Trichloroethane	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
1,1,2,2-Tetrachloroethane	2.48	U	3.31	1.03	2.48	ug/kg	1		10/10/24 19:46
1,1,2-Trichloroethane	1.24	U	1.65	0.827	1.24	ug/kg	1		10/10/24 19:46
1,1-Dichloroethane	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
1,1-Dichloroethene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
1,1-Dichloropropene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
1,2,3-Trichlorobenzene	124	U	165	49.6	124	ug/kg	1		10/10/24 19:46
1,2,3-Trichloropropane	2.48	U	3.31	1.03	2.48	ug/kg	1		10/10/24 19:46
1,2,4-Trichlorobenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
1,2,4-Trimethylbenzene	124	U	165	49.6	124	ug/kg	1		10/10/24 19:46
1,2-Dibromo-3-chloropropane	124	U	165	51.3	124	ug/kg	1		10/10/24 19:46
1,2-Dibromoethane	1.86	U	2.48	1.24	1.86	ug/kg	1		10/10/24 19:46
1,2-Dichlorobenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
1,2-Dichloroethane	2.48	U	3.31	1.16	2.48	ug/kg	1		10/10/24 19:46
1,2-Dichloropropane	12.4	U	16.5	8.27	12.4	ug/kg	1		10/10/24 19:46
1,3,5-Trimethylbenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
1,3-Dichlorobenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
1,3-Dichloropropane	12.4	U	16.5	5.13	12.4	ug/kg	1		10/10/24 19:46
1,4-Dichlorobenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
2,2-Dichloropropane	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
2-Butanone (MEK)	311	U	414	129	311	ug/kg	1		10/10/24 19:46
2-Chlorotoluene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
2-Hexanone	149	U	199	99.3	149	ug/kg	1		10/10/24 19:46
4-Chlorotoluene	24.8	U	33.1	16.5	24.8	ug/kg	1		10/10/24 19:46
4-Isopropyltoluene	99.0	U	132	66.2	99.0	ug/kg	1		10/10/24 19:46
4-Methyl-2-pentanone (MIBK)	311	U	414	129	311	ug/kg	1		10/10/24 19:46
Acetone	311	U	414	182	311	ug/kg	1		10/10/24 19:46
Benzene	15.5	U	20.7	6.45	15.5	ug/kg	1		10/10/24 19:46
Bromobenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
Bromochloromethane	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
Bromodichloromethane	2.48	U	3.31	1.03	2.48	ug/kg	1		10/10/24 19:46
Bromoform	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
Bromomethane	24.8	U	33.1	13.2	24.8	ug/kg	1		10/10/24 19:46
Carbon disulfide	124	U	165	51.3	124	ug/kg	1		10/10/24 19:46
Carbon tetrachloride	15.5	U	20.7	6.45	15.5	ug/kg	1		10/10/24 19:46
Chlorobenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46

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J flagging is activated

Results of **24ELISO-TP12-9.0**

Client Sample ID: **24ELISO-TP12-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700013
Lab Project ID: 1245700

Collection Date: 09/26/24 17:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	248	U	331	103	248	ug/kg	1		10/10/24 19:46
Chloroform	7.45	U	9.93	4.96	7.45	ug/kg	1		10/10/24 19:46
Chloromethane	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
cis-1,2-Dichloroethene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
cis-1,3-Dichloropropene	15.5	U	20.7	6.45	15.5	ug/kg	1		10/10/24 19:46
Dibromochloromethane	6.20	U	8.27	2.48	6.20	ug/kg	1		10/10/24 19:46
Dibromomethane	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
Dichlorodifluoromethane	124	U	165	49.6	124	ug/kg	1		10/10/24 19:46
Ethylbenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
Freon-113	124	U	165	51.3	124	ug/kg	1		10/10/24 19:46
Hexachlorobutadiene	24.8	U	33.1	10.3	24.8	ug/kg	1		10/10/24 19:46
Isopropylbenzene (Cumene)	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
Methylene chloride	124	U	165	51.3	124	ug/kg	1		10/10/24 19:46
Methyl-t-butyl ether	124	U	165	51.3	124	ug/kg	1		10/10/24 19:46
Naphthalene	14.9	J	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
n-Butylbenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
n-Propylbenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
o-Xylene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
P & M -Xylene	62.0	U	82.7	24.8	62.0	ug/kg	1		10/10/24 19:46
sec-Butylbenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
Styrene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
tert-Butylbenzene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
Tetrachloroethene	15.5	U	20.7	6.45	15.5	ug/kg	1		10/10/24 19:46
Toluene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
trans-1,2-Dichloroethene	31.0	U	41.4	12.9	31.0	ug/kg	1		10/10/24 19:46
trans-1,3-Dichloropropene	15.5	U	20.7	6.45	15.5	ug/kg	1		10/10/24 19:46
Trichloroethene	12.4	U	16.5	5.29	12.4	ug/kg	1		10/10/24 19:46
Trichlorofluoromethane	62.0	U	82.7	24.8	62.0	ug/kg	1		10/10/24 19:46
Vinyl acetate	124	U	165	51.3	124	ug/kg	1		10/10/24 19:46
Vinyl chloride	0.990	U	1.32	0.414	0.990	ug/kg	1		10/10/24 19:46
Xylenes (total)	93.0	U	124	37.7	93.0	ug/kg	1		10/10/24 19:46
Surrogates									
1,2-Dichloroethane-D4 (surr)	109		71-136			%	1		10/10/24 19:46
4-Bromofluorobenzene (surr)	106		55-151			%	1		10/10/24 19:46
Toluene-d8 (surr)	100		85-116			%	1		10/10/24 19:46

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J flagging is activated

Results of **24ELISO-TP12-9.0**

Client Sample ID: **24ELISO-TP12-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700013
Lab Project ID: 1245700

Collection Date: 09/26/24 17:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23921
Analytical Method: SW8260D
Analyst: CJG
Analytical Date/Time: 10/10/24 19:46
Container ID: 1245700013-B

Prep Batch: VXX42290
Prep Method: SW5035A
Prep Date/Time: 09/26/24 17:15
Prep Initial Wt./Vol.: 52.363 g
Prep Extract Vol: 35.0242 mL

Results of **24ELISO-TP20-9.0**

Client Sample ID: **24ELISO-TP20-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700014
Lab Project ID: 1245700

Collection Date: 09/26/24 17:16
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.8
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	8.95		1.25	0.388	0.938	mg/kg	10		10/18/24 20:30
Barium	130		0.375	0.118	0.281	mg/kg	10		10/18/24 20:30
Cadmium	0.280		0.250	0.0775	0.188	mg/kg	10		10/18/24 20:30
Chromium	24.8		1.25	0.388	0.938	mg/kg	10		10/18/24 20:30
Lead	12.7		0.250	0.0775	0.188	mg/kg	10		10/18/24 20:30
Mercury	0.188	U	0.250	0.0875	0.188	mg/kg	10		10/18/24 20:30
Selenium	1.68	J	2.50	0.775	1.88	mg/kg	10		10/18/24 20:30
Silver	0.469	U	0.625	0.188	0.469	mg/kg	10		10/18/24 20:30

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:30
Container ID: 1245700014-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.002 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP20-9.0**

Client Sample ID: **24ELISO-TP20-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700014
Lab Project ID: 1245700

Collection Date: 09/26/24 17:16
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.8
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
2-Methylnaphthalene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Acenaphthene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Acenaphthylene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Anthracene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Benzo(a)Anthracene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Benzo[a]pyrene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Benzo[b]Fluoranthene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Benzo[g,h,i]perylene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Benzo[k]fluoranthene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Chrysene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Dibenzo[a,h]anthracene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Fluoranthene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Fluorene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Indeno[1,2,3-c,d] pyrene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Naphthalene	18.7	U	24.9	6.24	18.7	ug/kg	1		11/08/24 16:35
Phenanthrene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Pyrene	23.4	U	31.2	7.79	23.4	ug/kg	1		11/08/24 16:35
Surrogates									
2-Methylnaphthalene-d10 (surr)	109		63-126			%	1		11/08/24 16:35
Fluoranthene-d10 (surr)	103		54-143			%	1		11/08/24 16:35

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/08/24 16:35
Container ID: 1245700014-A

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/05/24 12:05
Prep Initial Wt./Vol.: 22.6 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP20-9.0**

Client Sample ID: **24ELISO-TP20-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700014
Lab Project ID: 1245700

Collection Date: 09/26/24 17:16
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.8
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	18.7	U	24.9	11.2	18.7	mg/kg	1		11/06/24 23:52
Surrogates									
5a Androstane (surr)	93.7		50-150			%	1		11/06/24 23:52

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/06/24 23:52
Container ID: 1245700014-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.6 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	113	J	125	53.6	93.8	mg/kg	1		11/06/24 23:52
Surrogates									
n-Triacontane-d62 (surr)	94.5		50-150			%	1		11/06/24 23:52

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/06/24 23:52
Container ID: 1245700014-A

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/05/24 11:52
Prep Initial Wt./Vol.: 22.6 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP20-9.0**

Client Sample ID: **24ELISO-TP20-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700014
Lab Project ID: 1245700

Collection Date: 09/26/24 17:16
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.8
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.22	U	4.30	1.29	3.22	mg/kg	1		10/10/24 11:06
Surrogates									
4-Bromofluorobenzene (surr)	116		50-150			%	1		10/10/24 11:06

Batch Information

Analytical Batch: VFC17026
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/10/24 11:06
Container ID: 1245700014-B

Prep Batch: VXX42053
Prep Method: SW5035A
Prep Date/Time: 09/26/24 17:16
Prep Initial Wt./Vol.: 51.499 g
Prep Extract Vol: 35.388 mL

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Results of **24ELISO-TP20-9.0**

Client Sample ID: **24ELISO-TP20-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700014
Lab Project ID: 1245700

Collection Date: 09/26/24 17:16
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.8
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	25.8	U	34.4	10.7	25.8	ug/kg	1		10/10/24 20:02
1,1,1-Trichloroethane	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
1,1,2,2-Tetrachloroethane	2.58	U	3.44	1.07	2.58	ug/kg	1		10/10/24 20:02
1,1,2-Trichloroethane	1.29	U	1.72	0.861	1.29	ug/kg	1		10/10/24 20:02
1,1-Dichloroethane	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
1,1-Dichloroethene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
1,1-Dichloropropene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
1,2,3-Trichlorobenzene	129	U	172	51.6	129	ug/kg	1		10/10/24 20:02
1,2,3-Trichloropropane	2.58	U	3.44	1.07	2.58	ug/kg	1		10/10/24 20:02
1,2,4-Trichlorobenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
1,2,4-Trimethylbenzene	129	U	172	51.6	129	ug/kg	1		10/10/24 20:02
1,2-Dibromo-3-chloropropane	129	U	172	53.4	129	ug/kg	1		10/10/24 20:02
1,2-Dibromoethane	1.94	U	2.58	1.29	1.94	ug/kg	1		10/10/24 20:02
1,2-Dichlorobenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
1,2-Dichloroethane	2.58	U	3.44	1.21	2.58	ug/kg	1		10/10/24 20:02
1,2-Dichloropropane	12.9	U	17.2	8.61	12.9	ug/kg	1		10/10/24 20:02
1,3,5-Trimethylbenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
1,3-Dichlorobenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
1,3-Dichloropropane	12.9	U	17.2	5.34	12.9	ug/kg	1		10/10/24 20:02
1,4-Dichlorobenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
2,2-Dichloropropane	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
2-Butanone (MEK)	323	U	430	134	323	ug/kg	1		10/10/24 20:02
2-Chlorotoluene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
2-Hexanone	155	U	207	103	155	ug/kg	1		10/10/24 20:02
4-Chlorotoluene	25.8	U	34.4	17.2	25.8	ug/kg	1		10/10/24 20:02
4-Isopropyltoluene	104	U	138	68.9	104	ug/kg	1		10/10/24 20:02
4-Methyl-2-pentanone (MIBK)	323	U	430	134	323	ug/kg	1		10/10/24 20:02
Acetone	323	U	430	189	323	ug/kg	1		10/10/24 20:02
Benzene	16.1	U	21.5	6.71	16.1	ug/kg	1		10/10/24 20:02
Bromobenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
Bromochloromethane	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
Bromodichloromethane	2.58	U	3.44	1.07	2.58	ug/kg	1		10/10/24 20:02
Bromoform	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
Bromomethane	25.8	U	34.4	13.8	25.8	ug/kg	1		10/10/24 20:02
Carbon disulfide	129	U	172	53.4	129	ug/kg	1		10/10/24 20:02
Carbon tetrachloride	16.1	U	21.5	6.71	16.1	ug/kg	1		10/10/24 20:02
Chlorobenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02

Results of **24ELISO-TP20-9.0**

Client Sample ID: **24ELISO-TP20-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700014
Lab Project ID: 1245700

Collection Date: 09/26/24 17:16
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.8
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	258	U	344	107	258	ug/kg	1		10/10/24 20:02
Chloroform	7.73	U	10.3	5.16	7.73	ug/kg	1		10/10/24 20:02
Chloromethane	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
cis-1,2-Dichloroethene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
cis-1,3-Dichloropropene	16.1	U	21.5	6.71	16.1	ug/kg	1		10/10/24 20:02
Dibromochloromethane	6.46	U	8.61	2.58	6.46	ug/kg	1		10/10/24 20:02
Dibromomethane	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
Dichlorodifluoromethane	129	U	172	51.6	129	ug/kg	1		10/10/24 20:02
Ethylbenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
Freon-113	129	U	172	53.4	129	ug/kg	1		10/10/24 20:02
Hexachlorobutadiene	25.8	U	34.4	10.7	25.8	ug/kg	1		10/10/24 20:02
Isopropylbenzene (Cumene)	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
Methylene chloride	129	U	172	53.4	129	ug/kg	1		10/10/24 20:02
Methyl-t-butyl ether	129	U	172	53.4	129	ug/kg	1		10/10/24 20:02
Naphthalene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
n-Butylbenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
n-Propylbenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
o-Xylene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
P & M -Xylene	64.6	U	86.1	25.8	64.6	ug/kg	1		10/10/24 20:02
sec-Butylbenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
Styrene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
tert-Butylbenzene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
Tetrachloroethene	16.1	U	21.5	6.71	16.1	ug/kg	1		10/10/24 20:02
Toluene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
trans-1,2-Dichloroethene	32.3	U	43.0	13.4	32.3	ug/kg	1		10/10/24 20:02
trans-1,3-Dichloropropene	16.1	U	21.5	6.71	16.1	ug/kg	1		10/10/24 20:02
Trichloroethene	12.9	U	17.2	5.51	12.9	ug/kg	1		10/10/24 20:02
Trichlorofluoromethane	64.6	U	86.1	25.8	64.6	ug/kg	1		10/10/24 20:02
Vinyl acetate	129	U	172	53.4	129	ug/kg	1		10/10/24 20:02
Vinyl chloride	1.03	U	1.38	0.430	1.03	ug/kg	1		10/10/24 20:02
Xylenes (total)	96.8	U	129	39.3	96.8	ug/kg	1		10/10/24 20:02
Surrogates									
1,2-Dichloroethane-D4 (surr)	105		71-136			%	1		10/10/24 20:02
4-Bromofluorobenzene (surr)	98.2		55-151			%	1		10/10/24 20:02
Toluene-d8 (surr)	101		85-116			%	1		10/10/24 20:02

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP20-9.0**

Client Sample ID: **24ELISO-TP20-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700014
Lab Project ID: 1245700

Collection Date: 09/26/24 17:16
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):79.8
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23921
Analytical Method: SW8260D
Analyst: CJG
Analytical Date/Time: 10/10/24 20:02
Container ID: 1245700014-B

Prep Batch: VXX42290
Prep Method: SW5035A
Prep Date/Time: 09/26/24 17:16
Prep Initial Wt./Vol.: 51.499 g
Prep Extract Vol: 35.388 mL

Results of **24ELISO-TP11-9.0**

Client Sample ID: **24ELISO-TP11-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700015
Lab Project ID: 1245700

Collection Date: 09/27/24 09:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.9
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	7.72		1.18	0.365	0.885	mg/kg	10		10/24/24 17:45
Barium	181		0.354	0.111	0.265	mg/kg	10		10/24/24 17:45
Cadmium	0.486		0.236	0.0731	0.177	mg/kg	10		10/24/24 17:45
Chromium	32.6		1.18	0.365	0.885	mg/kg	10		10/24/24 17:45
Lead	13.2		0.236	0.0731	0.177	mg/kg	10		10/24/24 17:45
Mercury	0.0967	J	0.236	0.0825	0.177	mg/kg	10		10/24/24 17:45
Selenium	1.14	J	2.36	0.731	1.77	mg/kg	10		10/24/24 17:45
Silver	0.442	U	0.589	0.177	0.442	mg/kg	10		10/24/24 17:45

Batch Information

Analytical Batch: MMS12461
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/24/24 17:45
Container ID: 1245700015-B

Prep Batch: MXX37198
Prep Method: SW3050B
Prep Date/Time: 10/24/24 13:21
Prep Initial Wt./Vol.: 1.036 g
Prep Extract Vol: 50 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP11-9.0**

Client Sample ID: **24ELISO-TP11-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700015
Lab Project ID: 1245700

Collection Date: 09/27/24 09:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.9
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
2-Methylnaphthalene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Acenaphthene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Acenaphthylene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Anthracene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Benzo(a)Anthracene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Benzo[a]pyrene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Benzo[b]Fluoranthene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Benzo[g,h,i]perylene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Benzo[k]fluoranthene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Chrysene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Dibenzo[a,h]anthracene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Fluoranthene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Fluorene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Indeno[1,2,3-c,d] pyrene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Naphthalene	18.3	U	24.4	6.10	18.3	ug/kg	1		11/14/24 07:15
Phenanthrene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Pyrene	22.9	U	30.5	7.63	22.9	ug/kg	1		11/14/24 07:15
Surrogates									
2-Methylnaphthalene-d10 (surr)	109		63-126			%	1		11/14/24 07:15
Fluoranthene-d10 (surr)	113		54-143			%	1		11/14/24 07:15

Batch Information

Analytical Batch: XMS14709
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/14/24 07:15
Container ID: 1245700015-B

Prep Batch: XXX50702
Prep Method: SW3550C
Prep Date/Time: 10/24/24 09:21
Prep Initial Wt./Vol.: 22.518 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP11-9.0**

Client Sample ID: **24ELISO-TP11-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700015
Lab Project ID: 1245700

Collection Date: 09/27/24 09:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.9
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	32.2		24.4	11.0	18.3	mg/kg	1		11/08/24 01:56
Surrogates									
5a Androstane (surr)	107		50-150			%	1		11/08/24 01:56

Batch Information

Analytical Batch: XFC17098
Analytical Method: AK102
Analyst: T.L
Analytical Date/Time: 11/08/24 01:56
Container ID: 1245700015-B

Prep Batch: XXX50701
Prep Method: SW3550C
Prep Date/Time: 10/24/24 09:21
Prep Initial Wt./Vol.: 22.518 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	54.5	J	122	52.5	91.5	mg/kg	1		11/08/24 01:56
Surrogates									
n-Triacontane-d62 (surr)	106		50-150			%	1		11/08/24 01:56

Batch Information

Analytical Batch: XFC17098
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/08/24 01:56
Container ID: 1245700015-B

Prep Batch: XXX50701
Prep Method: SW3550C
Prep Date/Time: 10/24/24 09:21
Prep Initial Wt./Vol.: 22.518 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP11-9.0**

Client Sample ID: **24ELISO-TP11-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700015
Lab Project ID: 1245700

Collection Date: 09/27/24 09:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.9
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.04	U	4.05	1.21	3.04	mg/kg	1		10/24/24 19:41
Surrogates									
4-Bromofluorobenzene (surr)	111		50-150			%	1		10/24/24 19:41

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: T.L
Analytical Date/Time: 10/24/24 19:41
Container ID: 1245700015-A

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 09:00
Prep Initial Wt./Vol.: 51.902 g
Prep Extract Vol: 34.4059 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **24ELISO-TP11-9.0**

Client Sample ID: **24ELISO-TP11-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700015
Lab Project ID: 1245700

Collection Date: 09/27/24 09:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	17.6	U	23.5	7.29	17.6	ug/kg	1		10/11/24 14:04
1,1,1-Trichloroethane	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
1,1,2,2-Tetrachloroethane	1.76	U	2.35	0.729	1.76	ug/kg	1		10/11/24 14:04
1,1,2-Trichloroethane	0.885	U	1.18	0.588	0.885	ug/kg	1		10/11/24 14:04
1,1-Dichloroethane	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
1,1-Dichloroethene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
1,1-Dichloropropene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
1,2,3-Trichlorobenzene	88.5	U	118	35.3	88.5	ug/kg	1		10/11/24 14:04
1,2,3-Trichloropropane	1.76	U	2.35	0.729	1.76	ug/kg	1		10/11/24 14:04
1,2,4-Trichlorobenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
1,2,4-Trimethylbenzene	88.5	U	118	35.3	88.5	ug/kg	1		10/11/24 14:04
1,2-Dibromo-3-chloropropane	88.5	U	118	36.5	88.5	ug/kg	1		10/11/24 14:04
1,2-Dibromoethane	1.32	U	1.76	0.882	1.32	ug/kg	1		10/11/24 14:04
1,2-Dichlorobenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
1,2-Dichloroethane	1.76	U	2.35	0.824	1.76	ug/kg	1		10/11/24 14:04
1,2-Dichloropropane	8.85	U	11.8	5.88	8.85	ug/kg	1		10/11/24 14:04
1,3,5-Trimethylbenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
1,3-Dichlorobenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
1,3-Dichloropropane	8.85	U	11.8	3.65	8.85	ug/kg	1		10/11/24 14:04
1,4-Dichlorobenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
2,2-Dichloropropane	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
2-Butanone (MEK)	221	U	294	91.8	221	ug/kg	1		10/11/24 14:04
2-Chlorotoluene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
2-Hexanone	106	U	141	70.6	106	ug/kg	1		10/11/24 14:04
4-Chlorotoluene	17.6	U	23.5	11.8	17.6	ug/kg	1		10/11/24 14:04
4-Isopropyltoluene	70.6	U	94.1	47.1	70.6	ug/kg	1		10/11/24 14:04
4-Methyl-2-pentanone (MIBK)	221	U	294	91.8	221	ug/kg	1		10/11/24 14:04
Acetone	221	U	294	129	221	ug/kg	1		10/11/24 14:04
Benzene	11.0	U	14.7	4.59	11.0	ug/kg	1		10/11/24 14:04
Bromobenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
Bromochloromethane	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
Bromodichloromethane	1.76	U	2.35	0.729	1.76	ug/kg	1		10/11/24 14:04
Bromoform	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
Bromomethane	17.6	U	23.5	9.41	17.6	ug/kg	1		10/11/24 14:04
Carbon disulfide	88.5	U	118	36.5	88.5	ug/kg	1		10/11/24 14:04
Carbon tetrachloride	11.0	U	14.7	4.59	11.0	ug/kg	1		10/11/24 14:04
Chlorobenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04

Results of **24ELISO-TP11-9.0**

Client Sample ID: **24ELISO-TP11-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700015
Lab Project ID: 1245700

Collection Date: 09/27/24 09:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	176	U	235	72.9	176	ug/kg	1		10/11/24 14:04
Chloroform	5.29	U	7.06	3.53	5.29	ug/kg	1		10/11/24 14:04
Chloromethane	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
cis-1,2-Dichloroethene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
cis-1,3-Dichloropropene	11.0	U	14.7	4.59	11.0	ug/kg	1		10/11/24 14:04
Dibromochloromethane	4.41	U	5.88	1.76	4.41	ug/kg	1		10/11/24 14:04
Dibromomethane	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
Dichlorodifluoromethane	88.5	U	118	35.3	88.5	ug/kg	1		10/11/24 14:04
Ethylbenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
Freon-113	88.5	U	118	36.5	88.5	ug/kg	1		10/11/24 14:04
Hexachlorobutadiene	17.6	U	23.5	7.29	17.6	ug/kg	1		10/11/24 14:04
Isopropylbenzene (Cumene)	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
Methylene chloride	88.5	U	118	36.5	88.5	ug/kg	1		10/11/24 14:04
Methyl-t-butyl ether	88.5	U	118	36.5	88.5	ug/kg	1		10/11/24 14:04
Naphthalene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
n-Butylbenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
n-Propylbenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
o-Xylene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
P & M -Xylene	44.1	U	58.8	17.6	44.1	ug/kg	1		10/11/24 14:04
sec-Butylbenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
Styrene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
tert-Butylbenzene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
Tetrachloroethene	11.0	U	14.7	4.59	11.0	ug/kg	1		10/11/24 14:04
Toluene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
trans-1,2-Dichloroethene	22.0	U	29.4	9.18	22.0	ug/kg	1		10/11/24 14:04
trans-1,3-Dichloropropene	11.0	U	14.7	4.59	11.0	ug/kg	1		10/11/24 14:04
Trichloroethene	8.85	U	11.8	3.77	8.85	ug/kg	1		10/11/24 14:04
Trichlorofluoromethane	44.1	U	58.8	17.6	44.1	ug/kg	1		10/11/24 14:04
Vinyl acetate	88.5	U	118	36.5	88.5	ug/kg	1		10/11/24 14:04
Vinyl chloride	0.706	U	0.941	0.294	0.706	ug/kg	1		10/11/24 14:04
Xylenes (total)	66.2	U	88.2	26.8	66.2	ug/kg	1		10/11/24 14:04
Surrogates									
1,2-Dichloroethane-D4 (surr)	102		71-136			%	1		10/11/24 14:04
4-Bromofluorobenzene (surr)	100		55-151			%	1		10/11/24 14:04
Toluene-d8 (surr)	102		85-116			%	1		10/11/24 14:04

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP11-9.0**

Client Sample ID: **24ELISO-TP11-9.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700015
Lab Project ID: 1245700

Collection Date: 09/27/24 09:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.9
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 14:04
Container ID: 1245700015-A

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 09:00
Prep Initial Wt./Vol.: 51.902 g
Prep Extract Vol: 25 mL

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Results of **24ELISO-TP16-2.0**

Client Sample ID: **24ELISO-TP16-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700016
Lab Project ID: 1245700

Collection Date: 09/27/24 09:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.26		1.14	0.355	0.855	mg/kg	10		10/18/24 20:32
Barium	49.7		0.343	0.108	0.257	mg/kg	10		10/18/24 20:32
Cadmium	0.306		0.229	0.0710	0.172	mg/kg	10		10/18/24 20:32
Chromium	9.16		1.14	0.355	0.855	mg/kg	10		10/18/24 20:32
Lead	5.86		0.229	0.0710	0.172	mg/kg	10		10/18/24 20:32
Mercury	0.172	U	0.229	0.0801	0.172	mg/kg	10		10/18/24 20:32
Selenium	1.46	J	2.29	0.710	1.72	mg/kg	10		10/18/24 20:32
Silver	0.429	U	0.572	0.172	0.429	mg/kg	10		10/18/24 20:32

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:32
Container ID: 1245700016-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.026 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP16-2.0**

Client Sample ID: **24ELISO-TP16-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700016
Lab Project ID: 1245700

Collection Date: 09/27/24 09:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual		LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	12100			583	146	437	ug/kg	20		11/09/24 03:39
2-Methylnaphthalene	8290			583	146	437	ug/kg	20		11/09/24 03:39
Acenaphthene	254	J		583	146	437	ug/kg	20		11/09/24 03:39
Acenaphthylene	476	J		583	146	437	ug/kg	20		11/09/24 03:39
Anthracene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Benzo(a)Anthracene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Benzo[a]pyrene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Benzo[b]Fluoranthene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Benzo[g,h,i]perylene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Benzo[k]fluoranthene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Chrysene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Dibenzo[a,h]anthracene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Fluoranthene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Fluorene	1590			583	146	437	ug/kg	20		11/09/24 03:39
Indeno[1,2,3-c,d] pyrene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Naphthalene	2950			466	117	350	ug/kg	20		11/09/24 03:39
Phenanthrene	4830			583	146	437	ug/kg	20		11/09/24 03:39
Pyrene	437	U		583	146	437	ug/kg	20		11/09/24 03:39
Surrogates										
2-Methylnaphthalene-d10 (surr)	191		*	63-126			%	20		11/09/24 03:39
Fluoranthene-d10 (surr)	217		*	54-143			%	20		11/09/24 03:39

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/09/24 03:39
Container ID: 1245700016-A

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.676 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP16-2.0**

Client Sample ID: **24ELISO-TP16-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700016
Lab Project ID: 1245700

Collection Date: 09/27/24 09:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	8050		93.2	41.9	69.9	mg/kg	4		11/12/24 01:30
Surrogates									
5a Androstane (surr)	94.4		50-150			%	4		11/12/24 01:30

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/12/24 01:30
Container ID: 1245700016-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.676 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	346	J	466	200	350	mg/kg	4		11/12/24 01:30
Surrogates									
n-Triacontane-d62 (surr)	76.6		50-150			%	4		11/12/24 01:30

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/12/24 01:30
Container ID: 1245700016-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.676 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP16-2.0**

Client Sample ID: **24ELISO-TP16-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700016
Lab Project ID: 1245700

Collection Date: 09/27/24 09:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	26.3		3.78	1.13	2.84	mg/kg	1		10/24/24 19:59
Surrogates									
4-Bromofluorobenzene (surr)	221	*	50-150			%	1		10/24/24 19:59

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: C.M
Analytical Date/Time: 10/24/24 19:59
Container ID: 1245700016-B

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 09:30
Prep Initial Wt./Vol.: 50.461 g
Prep Extract Vol: 32.4891 mL

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Results of **24ELISO-TP16-2.0**

Client Sample ID: **24ELISO-TP16-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700016
Lab Project ID: 1245700

Collection Date: 09/27/24 09:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	22.6	U	30.2	9.38	22.6	ug/kg	1		10/11/24 14:20
1,1,1-Trichloroethane	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
1,1,2,2-Tetrachloroethane	2.27	U	3.02	0.938	2.27	ug/kg	1		10/11/24 14:20
1,1,2-Trichloroethane	1.13	U	1.51	0.756	1.13	ug/kg	1		10/11/24 14:20
1,1-Dichloroethane	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
1,1-Dichloroethene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
1,1-Dichloropropene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
1,2,3-Trichlorobenzene	113	U	151	45.4	113	ug/kg	1		10/11/24 14:20
1,2,3-Trichloropropane	2.27	U	3.02	0.938	2.27	ug/kg	1		10/11/24 14:20
1,2,4-Trichlorobenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
1,2,4-Trimethylbenzene	367		151	45.4	113	ug/kg	1		10/11/24 14:20
1,2-Dibromo-3-chloropropane	113	U	151	46.9	113	ug/kg	1		10/11/24 14:20
1,2-Dibromoethane	1.70	U	2.27	1.13	1.70	ug/kg	1		10/11/24 14:20
1,2-Dichlorobenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
1,2-Dichloroethane	2.27	U	3.02	1.06	2.27	ug/kg	1		10/11/24 14:20
1,2-Dichloropropane	11.3	U	15.1	7.56	11.3	ug/kg	1		10/11/24 14:20
1,3,5-Trimethylbenzene	525		37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
1,3-Dichlorobenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
1,3-Dichloropropane	11.3	U	15.1	4.69	11.3	ug/kg	1		10/11/24 14:20
1,4-Dichlorobenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
2,2-Dichloropropane	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
2-Butanone (MEK)	284	U	378	118	284	ug/kg	1		10/11/24 14:20
2-Chlorotoluene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
2-Hexanone	136	U	181	90.7	136	ug/kg	1		10/11/24 14:20
4-Chlorotoluene	22.6	U	30.2	15.1	22.6	ug/kg	1		10/11/24 14:20
4-Isopropyltoluene	1040		121	60.5	90.8	ug/kg	1		10/11/24 14:20
4-Methyl-2-pentanone (MIBK)	284	U	378	118	284	ug/kg	1		10/11/24 14:20
Acetone	284	U	378	166	284	ug/kg	1		10/11/24 14:20
Benzene	14.2	U	18.9	5.90	14.2	ug/kg	1		10/11/24 14:20
Bromobenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
Bromochloromethane	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
Bromodichloromethane	2.27	U	3.02	0.938	2.27	ug/kg	1		10/11/24 14:20
Bromoform	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
Bromomethane	22.6	U	30.2	12.1	22.6	ug/kg	1		10/11/24 14:20
Carbon disulfide	113	U	151	46.9	113	ug/kg	1		10/11/24 14:20
Carbon tetrachloride	14.2	U	18.9	5.90	14.2	ug/kg	1		10/11/24 14:20
Chlorobenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20

Results of **24ELISO-TP16-2.0**

Client Sample ID: **24ELISO-TP16-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700016
Lab Project ID: 1245700

Collection Date: 09/27/24 09:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	227	U	302	93.8	227	ug/kg	1		10/11/24 14:20
Chloroform	6.80	U	9.07	4.54	6.80	ug/kg	1		10/11/24 14:20
Chloromethane	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
cis-1,2-Dichloroethene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
cis-1,3-Dichloropropene	14.2	U	18.9	5.90	14.2	ug/kg	1		10/11/24 14:20
Dibromochloromethane	5.67	U	7.56	2.27	5.67	ug/kg	1		10/11/24 14:20
Dibromomethane	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
Dichlorodifluoromethane	113	U	151	45.4	113	ug/kg	1		10/11/24 14:20
Ethylbenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
Freon-113	113	U	151	46.9	113	ug/kg	1		10/11/24 14:20
Hexachlorobutadiene	22.6	U	30.2	9.38	22.6	ug/kg	1		10/11/24 14:20
Isopropylbenzene (Cumene)	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
Methylene chloride	57.9	J	151	46.9	113	ug/kg	1		10/11/24 14:20
Methyl-t-butyl ether	113	U	151	46.9	113	ug/kg	1		10/11/24 14:20
Naphthalene	1860		37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
n-Butylbenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
n-Propylbenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
o-Xylene	54.0		37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
P & M -Xylene	56.7	U	75.6	22.7	56.7	ug/kg	1		10/11/24 14:20
sec-Butylbenzene	38.2		37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
Styrene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
tert-Butylbenzene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
Tetrachloroethene	14.2	U	18.9	5.90	14.2	ug/kg	1		10/11/24 14:20
Toluene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
trans-1,2-Dichloroethene	28.3	U	37.8	11.8	28.3	ug/kg	1		10/11/24 14:20
trans-1,3-Dichloropropene	14.2	U	18.9	5.90	14.2	ug/kg	1		10/11/24 14:20
Trichloroethene	11.3	U	15.1	4.84	11.3	ug/kg	1		10/11/24 14:20
Trichlorofluoromethane	56.7	U	75.6	22.7	56.7	ug/kg	1		10/11/24 14:20
Vinyl acetate	113	U	151	46.9	113	ug/kg	1		10/11/24 14:20
Vinyl chloride	0.907	U	1.21	0.378	0.907	ug/kg	1		10/11/24 14:20
Xylenes (total)	54.0	J	113	34.5	84.8	ug/kg	1		10/11/24 14:20
Surrogates									
1,2-Dichloroethane-D4 (surr)	102		71-136			%	1		10/11/24 14:20
4-Bromofluorobenzene (surr)	166	*	55-151			%	1		10/11/24 14:20
Toluene-d8 (surr)	104		85-116			%	1		10/11/24 14:20

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP16-2.0**

Client Sample ID: **24ELISO-TP16-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700016
Lab Project ID: 1245700

Collection Date: 09/27/24 09:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 14:20
Container ID: 1245700016-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 09:30
Prep Initial Wt./Vol.: 50.461 g
Prep Extract Vol: 32.4891 mL

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Results of **24ELISO-TP60-2.0**

Client Sample ID: **24ELISO-TP60-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700017
Lab Project ID: 1245700

Collection Date: 09/27/24 09:31
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.16		1.14	0.352	0.855	mg/kg	10		10/18/24 20:35
Barium	46.0		0.341	0.107	0.256	mg/kg	10		10/18/24 20:35
Cadmium	0.274		0.227	0.0704	0.170	mg/kg	10		10/18/24 20:35
Chromium	8.60		1.14	0.352	0.855	mg/kg	10		10/18/24 20:35
Lead	5.82		0.227	0.0704	0.170	mg/kg	10		10/18/24 20:35
Mercury	0.170	U	0.227	0.0795	0.170	mg/kg	10		10/18/24 20:35
Selenium	1.28	J	2.27	0.704	1.70	mg/kg	10		10/18/24 20:35
Silver	0.426	U	0.568	0.170	0.426	mg/kg	10		10/18/24 20:35

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:35
Container ID: 1245700017-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.034 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP60-2.0**

Client Sample ID: **24ELISO-TP60-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700017
Lab Project ID: 1245700

Collection Date: 09/27/24 09:31
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual		LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	11000			580	145	435	ug/kg	20		11/09/24 03:56
2-Methylnaphthalene	7860			580	145	435	ug/kg	20		11/09/24 03:56
Acenaphthene	197	J		580	145	435	ug/kg	20		11/09/24 03:56
Acenaphthylene	411	J		580	145	435	ug/kg	20		11/09/24 03:56
Anthracene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Benzo(a)Anthracene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Benzo[a]pyrene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Benzo[b]Fluoranthene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Benzo[g,h,i]perylene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Benzo[k]fluoranthene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Chrysene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Dibenzo[a,h]anthracene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Fluoranthene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Fluorene	1390			580	145	435	ug/kg	20		11/09/24 03:56
Indeno[1,2,3-c,d] pyrene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Naphthalene	2490			464	116	348	ug/kg	20		11/09/24 03:56
Phenanthrene	4380			580	145	435	ug/kg	20		11/09/24 03:56
Pyrene	435	U		580	145	435	ug/kg	20		11/09/24 03:56
Surrogates										
2-Methylnaphthalene-d10 (surr)	181		*	63-126			%	20		11/09/24 03:56
Fluoranthene-d10 (surr)	308		*	54-143			%	20		11/09/24 03:56

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/09/24 03:56
Container ID: 1245700017-A

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.781 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP60-2.0**

Client Sample ID: **24ELISO-TP60-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700017
Lab Project ID: 1245700

Collection Date: 09/27/24 09:31
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	7980		92.8	41.7	69.6	mg/kg	4		11/12/24 01:39
Surrogates									
5a Androstane (surr)	99.4		50-150			%	4		11/12/24 01:39

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/12/24 01:39
Container ID: 1245700017-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.781 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	324	J	464	199	348	mg/kg	4		11/12/24 01:39
Surrogates									
n-Triacontane-d62 (surr)	70.6		50-150			%	4		11/12/24 01:39

Batch Information

Analytical Batch: XFC17104
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/12/24 01:39
Container ID: 1245700017-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.781 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP60-2.0**

Client Sample ID: **24ELISO-TP60-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700017
Lab Project ID: 1245700

Collection Date: 09/27/24 09:31
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	34.8		3.80	1.14	2.85	mg/kg	1		10/24/24 20:17
Surrogates									
4-Bromofluorobenzene (surr)	253	*	50-150			%	1		10/24/24 20:17

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: C.M
Analytical Date/Time: 10/24/24 20:17
Container ID: 1245700017-B

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 09:31
Prep Initial Wt./Vol.: 50.076 g
Prep Extract Vol: 32.4285 mL

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Results of **24ELISO-TP60-2.0**

Client Sample ID: **24ELISO-TP60-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700017
Lab Project ID: 1245700

Collection Date: 09/27/24 09:31
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	22.8	U	30.4	9.43	22.8	ug/kg	1		10/11/24 14:36
1,1,1-Trichloroethane	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
1,1,2,2-Tetrachloroethane	2.28	U	3.04	0.943	2.28	ug/kg	1		10/11/24 14:36
1,1,2-Trichloroethane	1.14	U	1.52	0.760	1.14	ug/kg	1		10/11/24 14:36
1,1-Dichloroethane	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
1,1-Dichloroethene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
1,1-Dichloropropene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
1,2,3-Trichlorobenzene	114	U	152	45.6	114	ug/kg	1		10/11/24 14:36
1,2,3-Trichloropropane	2.28	U	3.04	0.943	2.28	ug/kg	1		10/11/24 14:36
1,2,4-Trichlorobenzene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
1,2,4-Trimethylbenzene	374		152	45.6	114	ug/kg	1		10/11/24 14:36
1,2-Dibromo-3-chloropropane	114	U	152	47.1	114	ug/kg	1		10/11/24 14:36
1,2-Dibromoethane	1.71	U	2.28	1.14	1.71	ug/kg	1		10/11/24 14:36
1,2-Dichlorobenzene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
1,2-Dichloroethane	2.28	U	3.04	1.06	2.28	ug/kg	1		10/11/24 14:36
1,2-Dichloropropane	11.4	U	15.2	7.60	11.4	ug/kg	1		10/11/24 14:36
1,3,5-Trimethylbenzene	492		38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
1,3-Dichlorobenzene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
1,3-Dichloropropane	11.4	U	15.2	4.71	11.4	ug/kg	1		10/11/24 14:36
1,4-Dichlorobenzene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
2,2-Dichloropropane	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
2-Butanone (MEK)	285	U	380	119	285	ug/kg	1		10/11/24 14:36
2-Chlorotoluene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
2-Hexanone	137	U	182	91.2	137	ug/kg	1		10/11/24 14:36
4-Chlorotoluene	22.8	U	30.4	15.2	22.8	ug/kg	1		10/11/24 14:36
4-Isopropyltoluene	1070		122	60.8	91.5	ug/kg	1		10/11/24 14:36
4-Methyl-2-pentanone (MIBK)	285	U	380	119	285	ug/kg	1		10/11/24 14:36
Acetone	285	U	380	167	285	ug/kg	1		10/11/24 14:36
Benzene	14.3	U	19.0	5.93	14.3	ug/kg	1		10/11/24 14:36
Bromobenzene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
Bromochloromethane	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
Bromodichloromethane	2.28	U	3.04	0.943	2.28	ug/kg	1		10/11/24 14:36
Bromoform	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
Bromomethane	22.8	U	30.4	12.2	22.8	ug/kg	1		10/11/24 14:36
Carbon disulfide	114	U	152	47.1	114	ug/kg	1		10/11/24 14:36
Carbon tetrachloride	14.3	U	19.0	5.93	14.3	ug/kg	1		10/11/24 14:36
Chlorobenzene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36

Results of **24ELISO-TP60-2.0**

Client Sample ID: **24ELISO-TP60-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700017
Lab Project ID: 1245700

Collection Date: 09/27/24 09:31
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	228	U	304	94.3	228	ug/kg	1		10/11/24 14:36
Chloroform	6.84	U	9.12	4.56	6.84	ug/kg	1		10/11/24 14:36
Chloromethane	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
cis-1,2-Dichloroethene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
cis-1,3-Dichloropropene	14.3	U	19.0	5.93	14.3	ug/kg	1		10/11/24 14:36
Dibromochloromethane	5.70	U	7.60	2.28	5.70	ug/kg	1		10/11/24 14:36
Dibromomethane	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
Dichlorodifluoromethane	114	U	152	45.6	114	ug/kg	1		10/11/24 14:36
Ethylbenzene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
Freon-113	114	U	152	47.1	114	ug/kg	1		10/11/24 14:36
Hexachlorobutadiene	22.8	U	30.4	9.43	22.8	ug/kg	1		10/11/24 14:36
Isopropylbenzene (Cumene)	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
Methylene chloride	57.1	J	152	47.1	114	ug/kg	1		10/11/24 14:36
Methyl-t-butyl ether	114	U	152	47.1	114	ug/kg	1		10/11/24 14:36
Naphthalene	1890		38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
n-Butylbenzene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
n-Propylbenzene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
o-Xylene	53.1		38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
P & M -Xylene	57.0	U	76.0	22.8	57.0	ug/kg	1		10/11/24 14:36
sec-Butylbenzene	41.4		38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
Styrene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
tert-Butylbenzene	38.5		38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
Tetrachloroethene	14.3	U	19.0	5.93	14.3	ug/kg	1		10/11/24 14:36
Toluene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
trans-1,2-Dichloroethene	28.5	U	38.0	11.9	28.5	ug/kg	1		10/11/24 14:36
trans-1,3-Dichloropropene	14.3	U	19.0	5.93	14.3	ug/kg	1		10/11/24 14:36
Trichloroethene	11.4	U	15.2	4.87	11.4	ug/kg	1		10/11/24 14:36
Trichlorofluoromethane	57.0	U	76.0	22.8	57.0	ug/kg	1		10/11/24 14:36
Vinyl acetate	114	U	152	47.1	114	ug/kg	1		10/11/24 14:36
Vinyl chloride	0.915	U	1.22	0.380	0.915	ug/kg	1		10/11/24 14:36
Xylenes (total)	53.1	J	114	34.7	85.5	ug/kg	1		10/11/24 14:36
Surrogates									
1,2-Dichloroethane-D4 (surr)	102		71-136			%	1		10/11/24 14:36
4-Bromofluorobenzene (surr)	139		55-151			%	1		10/11/24 14:36
Toluene-d8 (surr)	106		85-116			%	1		10/11/24 14:36

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP60-2.0**

Client Sample ID: **24ELISO-TP60-2.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700017
Lab Project ID: 1245700

Collection Date: 09/27/24 09:31
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):85.2
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 14:36
Container ID: 1245700017-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 09:31
Prep Initial Wt./Vol.: 50.076 g
Prep Extract Vol: 32.4285 mL

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Results of **24ELISO-TP16-5.0**

Client Sample ID: **24ELISO-TP16-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700018
Lab Project ID: 1245700

Collection Date: 09/27/24 09:48
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	5.74		1.15	0.357	0.862	mg/kg	10		10/18/24 20:37
Barium	80.9		0.346	0.108	0.259	mg/kg	10		10/18/24 20:37
Cadmium	0.294		0.230	0.0714	0.173	mg/kg	10		10/18/24 20:37
Chromium	23.3		1.15	0.357	0.862	mg/kg	10		10/18/24 20:37
Lead	17.8		0.230	0.0714	0.173	mg/kg	10		10/18/24 20:37
Mercury	0.173	U	0.230	0.0807	0.173	mg/kg	10		10/18/24 20:37
Selenium	1.27	J	2.30	0.714	1.72	mg/kg	10		10/18/24 20:37
Silver	0.432	U	0.576	0.173	0.432	mg/kg	10		10/18/24 20:37

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:37
Container ID: 1245700018-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.073 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP16-5.0**

Client Sample ID: **24ELISO-TP16-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700018
Lab Project ID: 1245700

Collection Date: 09/27/24 09:48
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
2-Methylnaphthalene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Acenaphthene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Acenaphthylene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Anthracene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Benzo(a)Anthracene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Benzo[a]pyrene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Benzo[b]Fluoranthene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Benzo[g,h,i]perylene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Benzo[k]fluoranthene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Chrysene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Dibenzo[a,h]anthracene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Fluoranthene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Fluorene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Indeno[1,2,3-c,d] pyrene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Naphthalene	18.3	U	24.4	6.10	18.3	ug/kg	1		11/09/24 05:01
Phenanthrene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Pyrene	22.9	U	30.5	7.62	22.9	ug/kg	1		11/09/24 05:01
Surrogates									
2-Methylnaphthalene-d10 (surr)	113		63-126			%	1		11/09/24 05:01
Fluoranthene-d10 (surr)	110		54-143			%	1		11/09/24 05:01

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/09/24 05:01
Container ID: 1245700018-A

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.81 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP16-5.0**

Client Sample ID: **24ELISO-TP16-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700018
Lab Project ID: 1245700

Collection Date: 09/27/24 09:48
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	12.7	J	24.4	11.0	18.3	mg/kg	1		11/07/24 03:51
Surrogates									
5a Androstane (surr)	104		50-150			%	1		11/07/24 03:51

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/07/24 03:51
Container ID: 1245700018-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.81 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	69.4	J	122	52.4	91.5	mg/kg	1		11/07/24 03:51
Surrogates									
n-Triacontane-d62 (surr)	103		50-150			%	1		11/07/24 03:51

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Analyst: KFC
Analytical Date/Time: 11/07/24 03:51
Container ID: 1245700018-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.81 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP16-5.0**

Client Sample ID: **24ELISO-TP16-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700018
Lab Project ID: 1245700

Collection Date: 09/27/24 09:48
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	1.43	J	4.13	1.24	3.10	mg/kg	1		10/24/24 20:35
Surrogates									
4-Bromofluorobenzene (surr)	117		50-150			%	1		10/24/24 20:35

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: C.M
Analytical Date/Time: 10/24/24 20:35
Container ID: 1245700018-B

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 09:48
Prep Initial Wt./Vol.: 52.385 g
Prep Extract Vol: 35.0179 mL

Results of **24ELISO-TP16-5.0**

Client Sample ID: **24ELISO-TP16-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700018
Lab Project ID: 1245700

Collection Date: 09/27/24 09:48
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	24.8	U	33.1	10.2	24.8	ug/kg	1		10/11/24 14:52
1,1,1-Trichloroethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
1,1,2,2-Tetrachloroethane	2.48	U	3.31	1.02	2.48	ug/kg	1		10/11/24 14:52
1,1,2-Trichloroethane	1.24	U	1.65	0.827	1.24	ug/kg	1		10/11/24 14:52
1,1-Dichloroethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
1,1-Dichloroethene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
1,1-Dichloropropene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
1,2,3-Trichlorobenzene	124	U	165	49.6	124	ug/kg	1		10/11/24 14:52
1,2,3-Trichloropropane	2.48	U	3.31	1.02	2.48	ug/kg	1		10/11/24 14:52
1,2,4-Trichlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
1,2,4-Trimethylbenzene	124	U	165	49.6	124	ug/kg	1		10/11/24 14:52
1,2-Dibromo-3-chloropropane	124	U	165	51.2	124	ug/kg	1		10/11/24 14:52
1,2-Dibromoethane	1.86	U	2.48	1.24	1.86	ug/kg	1		10/11/24 14:52
1,2-Dichlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
1,2-Dichloroethane	2.48	U	3.31	1.16	2.48	ug/kg	1		10/11/24 14:52
1,2-Dichloropropane	12.4	U	16.5	8.27	12.4	ug/kg	1		10/11/24 14:52
1,3,5-Trimethylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
1,3-Dichlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
1,3-Dichloropropane	12.4	U	16.5	5.12	12.4	ug/kg	1		10/11/24 14:52
1,4-Dichlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
2,2-Dichloropropane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
2-Butanone (MEK)	310	U	413	129	310	ug/kg	1		10/11/24 14:52
2-Chlorotoluene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
2-Hexanone	149	U	198	99.2	149	ug/kg	1		10/11/24 14:52
4-Chlorotoluene	24.8	U	33.1	16.5	24.8	ug/kg	1		10/11/24 14:52
4-Isopropyltoluene	99.0	U	132	66.1	99.0	ug/kg	1		10/11/24 14:52
4-Methyl-2-pentanone (MIBK)	310	U	413	129	310	ug/kg	1		10/11/24 14:52
Acetone	310	U	413	182	310	ug/kg	1		10/11/24 14:52
Benzene	15.5	U	20.7	6.45	15.5	ug/kg	1		10/11/24 14:52
Bromobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
Bromochloromethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
Bromodichloromethane	2.48	U	3.31	1.02	2.48	ug/kg	1		10/11/24 14:52
Bromoform	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
Bromomethane	24.8	U	33.1	13.2	24.8	ug/kg	1		10/11/24 14:52
Carbon disulfide	124	U	165	51.2	124	ug/kg	1		10/11/24 14:52
Carbon tetrachloride	15.5	U	20.7	6.45	15.5	ug/kg	1		10/11/24 14:52
Chlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52

Results of **24ELISO-TP16-5.0**

Client Sample ID: **24ELISO-TP16-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700018
Lab Project ID: 1245700

Collection Date: 09/27/24 09:48
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	248	U	331	102	248	ug/kg	1		10/11/24 14:52
Chloroform	7.44	U	9.92	4.96	7.44	ug/kg	1		10/11/24 14:52
Chloromethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
cis-1,2-Dichloroethene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
cis-1,3-Dichloropropene	15.5	U	20.7	6.45	15.5	ug/kg	1		10/11/24 14:52
Dibromochloromethane	6.20	U	8.27	2.48	6.20	ug/kg	1		10/11/24 14:52
Dibromomethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
Dichlorodifluoromethane	124	U	165	49.6	124	ug/kg	1		10/11/24 14:52
Ethylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
Freon-113	124	U	165	51.2	124	ug/kg	1		10/11/24 14:52
Hexachlorobutadiene	24.8	U	33.1	10.2	24.8	ug/kg	1		10/11/24 14:52
Isopropylbenzene (Cumene)	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
Methylene chloride	55.3	J	165	51.2	124	ug/kg	1		10/11/24 14:52
Methyl-t-butyl ether	124	U	165	51.2	124	ug/kg	1		10/11/24 14:52
Naphthalene	70.6		41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
n-Butylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
n-Propylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
o-Xylene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
P & M -Xylene	62.0	U	82.7	24.8	62.0	ug/kg	1		10/11/24 14:52
sec-Butylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
Styrene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
tert-Butylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
Tetrachloroethene	15.5	U	20.7	6.45	15.5	ug/kg	1		10/11/24 14:52
Toluene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
trans-1,2-Dichloroethene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 14:52
trans-1,3-Dichloropropene	15.5	U	20.7	6.45	15.5	ug/kg	1		10/11/24 14:52
Trichloroethene	12.4	U	16.5	5.29	12.4	ug/kg	1		10/11/24 14:52
Trichlorofluoromethane	62.0	U	82.7	24.8	62.0	ug/kg	1		10/11/24 14:52
Vinyl acetate	124	U	165	51.2	124	ug/kg	1		10/11/24 14:52
Vinyl chloride	0.990	U	1.32	0.413	0.990	ug/kg	1		10/11/24 14:52
Xylenes (total)	93.0	U	124	37.7	93.0	ug/kg	1		10/11/24 14:52
Surrogates									
1,2-Dichloroethane-D4 (surr)	101		71-136			%	1		10/11/24 14:52
4-Bromofluorobenzene (surr)	142		55-151			%	1		10/11/24 14:52
Toluene-d8 (surr)	101		85-116			%	1		10/11/24 14:52

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP16-5.0**

Client Sample ID: **24ELISO-TP16-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700018
Lab Project ID: 1245700

Collection Date: 09/27/24 09:48
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):80.9
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 14:52
Container ID: 1245700018-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 09:48
Prep Initial Wt./Vol.: 52.385 g
Prep Extract Vol: 35.0179 mL

Results of **24ELISO-TP19-1.0**

Client Sample ID: **24ELISO-TP19-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700019
Lab Project ID: 1245700

Collection Date: 09/27/24 10:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.7
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	3.48		1.14	0.353	0.855	mg/kg	10		10/18/24 20:40
Barium	39.1		0.341	0.107	0.256	mg/kg	10		10/18/24 20:40
Cadmium	1.76		0.227	0.0705	0.170	mg/kg	10		10/18/24 20:40
Chromium	11.6		1.14	0.353	0.855	mg/kg	10		10/18/24 20:40
Lead	3.79		0.227	0.0705	0.170	mg/kg	10		10/18/24 20:40
Mercury	0.170	U	0.227	0.0796	0.170	mg/kg	10		10/18/24 20:40
Selenium	1.33	J	2.27	0.705	1.70	mg/kg	10		10/18/24 20:40
Silver	0.427	U	0.569	0.171	0.427	mg/kg	10		10/18/24 20:40

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:40
Container ID: 1245700019-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.002 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP19-1.0**

Client Sample ID: **24ELISO-TP19-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700019
Lab Project ID: 1245700

Collection Date: 09/27/24 10:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.7
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
2-Methylnaphthalene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Acenaphthene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Acenaphthylene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Anthracene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Benzo(a)Anthracene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Benzo[a]pyrene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Benzo[b]Fluoranthene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Benzo[g,h,i]perylene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Benzo[k]fluoranthene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Chrysene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Dibenzo[a,h]anthracene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Fluoranthene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Fluorene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Indeno[1,2,3-c,d] pyrene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Naphthalene	16.7	U	22.3	5.58	16.7	ug/kg	1		11/09/24 05:17
Phenanthrene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Pyrene	20.9	U	27.9	6.98	20.9	ug/kg	1		11/09/24 05:17
Surrogates									
2-Methylnaphthalene-d10 (surr)	119		63-126			%	1		11/09/24 05:17
Fluoranthene-d10 (surr)	121		54-143			%	1		11/09/24 05:17

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/09/24 05:17
Container ID: 1245700019-A

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.963 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP19-1.0**

Client Sample ID: **24ELISO-TP19-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700019
Lab Project ID: 1245700

Collection Date: 09/27/24 10:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.7
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	171		22.3	10.0	16.7	mg/kg	1		11/07/24 04:01
Surrogates									
5a Androstane (surr)	97.9		50-150			%	1		11/07/24 04:01

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/07/24 04:01
Container ID: 1245700019-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.963 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	571		112	48.0	84.0	mg/kg	1		11/07/24 21:00
Surrogates									
n-Triacontane-d62 (surr)	87.5		50-150			%	1		11/07/24 21:00

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 21:00
Container ID: 1245700019-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.963 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP19-1.0**

Client Sample ID: **24ELISO-TP19-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700019
Lab Project ID: 1245700

Collection Date: 09/27/24 10:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.7
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	2.64	U	3.52	1.06	2.64	mg/kg	1		10/24/24 20:53
Surrogates									
4-Bromofluorobenzene (surr)	107		50-150			%	1		10/24/24 20:53

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: C.M
Analytical Date/Time: 10/24/24 20:53
Container ID: 1245700019-B

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 10:05
Prep Initial Wt./Vol.: 50.539 g
Prep Extract Vol: 31.1919 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **24ELISO-TP19-1.0**

Client Sample ID: **24ELISO-TP19-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700019
Lab Project ID: 1245700

Collection Date: 09/27/24 10:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.7
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	21.1	U	28.1	8.72	21.1	ug/kg	1		10/11/24 15:08
1,1,1-Trichloroethane	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
1,1,2,2-Tetrachloroethane	2.11	U	2.81	0.872	2.11	ug/kg	1		10/11/24 15:08
1,1,2-Trichloroethane	1.06	U	1.41	0.703	1.06	ug/kg	1		10/11/24 15:08
1,1-Dichloroethane	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
1,1-Dichloroethene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
1,1-Dichloropropene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
1,2,3-Trichlorobenzene	106	U	141	42.2	106	ug/kg	1		10/11/24 15:08
1,2,3-Trichloropropane	2.11	U	2.81	0.872	2.11	ug/kg	1		10/11/24 15:08
1,2,4-Trichlorobenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
1,2,4-Trimethylbenzene	106	U	141	42.2	106	ug/kg	1		10/11/24 15:08
1,2-Dibromo-3-chloropropane	106	U	141	43.6	106	ug/kg	1		10/11/24 15:08
1,2-Dibromoethane	1.58	U	2.11	1.06	1.58	ug/kg	1		10/11/24 15:08
1,2-Dichlorobenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
1,2-Dichloroethane	2.11	U	2.81	0.985	2.11	ug/kg	1		10/11/24 15:08
1,2-Dichloropropane	10.6	U	14.1	7.03	10.6	ug/kg	1		10/11/24 15:08
1,3,5-Trimethylbenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
1,3-Dichlorobenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
1,3-Dichloropropane	10.6	U	14.1	4.36	10.6	ug/kg	1		10/11/24 15:08
1,4-Dichlorobenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
2,2-Dichloropropane	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
2-Butanone (MEK)	264	U	352	110	264	ug/kg	1		10/11/24 15:08
2-Chlorotoluene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
2-Hexanone	127	U	169	84.4	127	ug/kg	1		10/11/24 15:08
4-Chlorotoluene	21.1	U	28.1	14.1	21.1	ug/kg	1		10/11/24 15:08
4-Isopropyltoluene	84.8	U	113	56.3	84.8	ug/kg	1		10/11/24 15:08
4-Methyl-2-pentanone (MIBK)	264	U	352	110	264	ug/kg	1		10/11/24 15:08
Acetone	264	U	352	155	264	ug/kg	1		10/11/24 15:08
Benzene	13.2	U	17.6	5.49	13.2	ug/kg	1		10/11/24 15:08
Bromobenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
Bromochloromethane	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
Bromodichloromethane	2.11	U	2.81	0.872	2.11	ug/kg	1		10/11/24 15:08
Bromoform	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
Bromomethane	21.1	U	28.1	11.3	21.1	ug/kg	1		10/11/24 15:08
Carbon disulfide	106	U	141	43.6	106	ug/kg	1		10/11/24 15:08
Carbon tetrachloride	13.2	U	17.6	5.49	13.2	ug/kg	1		10/11/24 15:08
Chlorobenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08

Results of **24ELISO-TP19-1.0**

Client Sample ID: **24ELISO-TP19-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700019
Lab Project ID: 1245700

Collection Date: 09/27/24 10:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.7
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	211	U	281	87.2	211	ug/kg	1		10/11/24 15:08
Chloroform	6.33	U	8.44	4.22	6.33	ug/kg	1		10/11/24 15:08
Chloromethane	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
cis-1,2-Dichloroethene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
cis-1,3-Dichloropropene	13.2	U	17.6	5.49	13.2	ug/kg	1		10/11/24 15:08
Dibromochloromethane	5.27	U	7.03	2.11	5.27	ug/kg	1		10/11/24 15:08
Dibromomethane	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
Dichlorodifluoromethane	106	U	141	42.2	106	ug/kg	1		10/11/24 15:08
Ethylbenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
Freon-113	106	U	141	43.6	106	ug/kg	1		10/11/24 15:08
Hexachlorobutadiene	21.1	U	28.1	8.72	21.1	ug/kg	1		10/11/24 15:08
Isopropylbenzene (Cumene)	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
Methylene chloride	57.1	J	141	43.6	106	ug/kg	1		10/11/24 15:08
Methyl-t-butyl ether	106	U	141	43.6	106	ug/kg	1		10/11/24 15:08
Naphthalene	17.8	J	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
n-Butylbenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
n-Propylbenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
o-Xylene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
P & M -Xylene	52.7	U	70.3	21.1	52.7	ug/kg	1		10/11/24 15:08
sec-Butylbenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
Styrene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
tert-Butylbenzene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
Tetrachloroethene	13.2	U	17.6	5.49	13.2	ug/kg	1		10/11/24 15:08
Toluene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
trans-1,2-Dichloroethene	26.4	U	35.2	11.0	26.4	ug/kg	1		10/11/24 15:08
trans-1,3-Dichloropropene	13.2	U	17.6	5.49	13.2	ug/kg	1		10/11/24 15:08
Trichloroethene	10.6	U	14.1	4.50	10.6	ug/kg	1		10/11/24 15:08
Trichlorofluoromethane	52.7	U	70.3	21.1	52.7	ug/kg	1		10/11/24 15:08
Vinyl acetate	106	U	141	43.6	106	ug/kg	1		10/11/24 15:08
Vinyl chloride	0.847	U	1.13	0.352	0.847	ug/kg	1		10/11/24 15:08
Xylenes (total)	79.5	U	106	32.1	79.5	ug/kg	1		10/11/24 15:08
Surrogates									
1,2-Dichloroethane-D4 (surr)	103		71-136			%	1		10/11/24 15:08
4-Bromofluorobenzene (surr)	130		55-151			%	1		10/11/24 15:08
Toluene-d8 (surr)	101		85-116			%	1		10/11/24 15:08

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Results of **24ELISO-TP19-1.0**

Client Sample ID: **24ELISO-TP19-1.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700019
Lab Project ID: 1245700

Collection Date: 09/27/24 10:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):87.7
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 15:08
Container ID: 1245700019-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 10:05
Prep Initial Wt./Vol.: 50.539 g
Prep Extract Vol: 31.1919 mL

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Results of **24ELISO-TP21-7.0**

Client Sample ID: **24ELISO-TP21-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700020
Lab Project ID: 1245700

Collection Date: 09/27/24 11:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):57.3
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	4.94		1.71	0.530	1.28	mg/kg	10		10/18/24 20:42
Barium	136		0.513	0.161	0.385	mg/kg	10		10/18/24 20:42
Cadmium	0.250	J	0.342	0.106	0.257	mg/kg	10		10/18/24 20:42
Chromium	20.2		1.71	0.530	1.28	mg/kg	10		10/18/24 20:42
Lead	10.5		0.342	0.106	0.257	mg/kg	10		10/18/24 20:42
Mercury	0.257	U	0.342	0.120	0.257	mg/kg	10		10/18/24 20:42
Selenium	2.12	J	3.42	1.06	2.56	mg/kg	10		10/18/24 20:42
Silver	0.641	U	0.855	0.257	0.641	mg/kg	10		10/18/24 20:42

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:42
Container ID: 1245700020-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.02 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP21-7.0**

Client Sample ID: **24ELISO-TP21-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700020
Lab Project ID: 1245700

Collection Date: 09/27/24 11:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):57.3
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
2-Methylnaphthalene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Acenaphthene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Acenaphthylene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Anthracene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Benzo(a)Anthracene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Benzo[a]pyrene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Benzo[b]Fluoranthene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Benzo[g,h,i]perylene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Benzo[k]fluoranthene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Chrysene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Dibenzo[a,h]anthracene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Fluoranthene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Fluorene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Indeno[1,2,3-c,d] pyrene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Naphthalene	25.9	U	34.5	8.62	25.9	ug/kg	1		11/09/24 05:33
Phenanthrene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Pyrene	32.3	U	43.1	10.8	32.3	ug/kg	1		11/09/24 05:33
Surrogates									
2-Methylnaphthalene-d10 (surr)	106		63-126			%	1		11/09/24 05:33
Fluoranthene-d10 (surr)	109		54-143			%	1		11/09/24 05:33

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/09/24 05:33
Container ID: 1245700020-A

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.78 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

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Results of **24ELISO-TP21-7.0**

Client Sample ID: **24ELISO-TP21-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700020
Lab Project ID: 1245700

Collection Date: 09/27/24 11:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):57.3
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	158		34.5	15.5	25.9	mg/kg	1		11/07/24 04:10
Surrogates									
5a Androstane (surr)	106		50-150			%	1		11/07/24 04:10

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/07/24 04:10
Container ID: 1245700020-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.78 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	1520		172	74.1	129	mg/kg	1		11/07/24 21:10
Surrogates									
n-Triacontane-d62 (surr)	70.8		50-150			%	1		11/07/24 21:10

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 21:10
Container ID: 1245700020-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.78 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP21-7.0**

Client Sample ID: **24ELISO-TP21-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700020
Lab Project ID: 1245700

Collection Date: 09/27/24 11:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):57.3
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	5.96	U	7.94	2.38	5.96	mg/kg	1		10/24/24 21:12
Surrogates									
4-Bromofluorobenzene (surr)	75.8		50-150			%	1		10/24/24 21:12

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: C.M
Analytical Date/Time: 10/24/24 21:12
Container ID: 1245700020-B

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 11:05
Prep Initial Wt./Vol.: 51.784 g
Prep Extract Vol: 47.1043 mL

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Results of **24ELISO-TP21-7.0**

Client Sample ID: **24ELISO-TP21-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700020
Lab Project ID: 1245700

Collection Date: 09/27/24 11:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):57.3
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	47.6	U	63.5	19.7	47.6	ug/kg	1		10/11/24 15:25
1,1,1-Trichloroethane	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
1,1,2,2-Tetrachloroethane	4.76	U	6.35	1.97	4.76	ug/kg	1		10/11/24 15:25
1,1,2-Trichloroethane	2.38	U	3.17	1.59	2.38	ug/kg	1		10/11/24 15:25
1,1-Dichloroethane	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
1,1-Dichloroethene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
1,1-Dichloropropene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
1,2,3-Trichlorobenzene	238	U	317	95.2	238	ug/kg	1		10/11/24 15:25
1,2,3-Trichloropropane	4.76	U	6.35	1.97	4.76	ug/kg	1		10/11/24 15:25
1,2,4-Trichlorobenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
1,2,4-Trimethylbenzene	238	U	317	95.2	238	ug/kg	1		10/11/24 15:25
1,2-Dibromo-3-chloropropane	238	U	317	98.4	238	ug/kg	1		10/11/24 15:25
1,2-Dibromoethane	3.57	U	4.76	2.38	3.57	ug/kg	1		10/11/24 15:25
1,2-Dichlorobenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
1,2-Dichloroethane	4.76	U	6.35	2.22	4.76	ug/kg	1		10/11/24 15:25
1,2-Dichloropropane	23.8	U	31.7	15.9	23.8	ug/kg	1		10/11/24 15:25
1,3,5-Trimethylbenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
1,3-Dichlorobenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
1,3-Dichloropropane	23.8	U	31.7	9.84	23.8	ug/kg	1		10/11/24 15:25
1,4-Dichlorobenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
2,2-Dichloropropane	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
2-Butanone (MEK)	596	U	794	248	596	ug/kg	1		10/11/24 15:25
2-Chlorotoluene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
2-Hexanone	286	U	381	190	286	ug/kg	1		10/11/24 15:25
4-Chlorotoluene	47.6	U	63.5	31.7	47.6	ug/kg	1		10/11/24 15:25
4-Isopropyltoluene	191	U	254	127	191	ug/kg	1		10/11/24 15:25
4-Methyl-2-pentanone (MIBK)	596	U	794	248	596	ug/kg	1		10/11/24 15:25
Acetone	1040		794	349	596	ug/kg	1		10/11/24 15:25
Benzene	29.8	U	39.7	12.4	29.8	ug/kg	1		10/11/24 15:25
Bromobenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
Bromochloromethane	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
Bromodichloromethane	4.76	U	6.35	1.97	4.76	ug/kg	1		10/11/24 15:25
Bromoform	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
Bromomethane	47.6	U	63.5	25.4	47.6	ug/kg	1		10/11/24 15:25
Carbon disulfide	238	U	317	98.4	238	ug/kg	1		10/11/24 15:25
Carbon tetrachloride	29.8	U	39.7	12.4	29.8	ug/kg	1		10/11/24 15:25
Chlorobenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25

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Results of **24ELISO-TP21-7.0**

Client Sample ID: **24ELISO-TP21-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700020
Lab Project ID: 1245700

Collection Date: 09/27/24 11:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):57.3
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	476	U	635	197	476	ug/kg	1		10/11/24 15:25
Chloroform	14.3	U	19.0	9.52	14.3	ug/kg	1		10/11/24 15:25
Chloromethane	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
cis-1,2-Dichloroethene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
cis-1,3-Dichloropropene	29.8	U	39.7	12.4	29.8	ug/kg	1		10/11/24 15:25
Dibromochloromethane	11.9	U	15.9	4.76	11.9	ug/kg	1		10/11/24 15:25
Dibromomethane	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
Dichlorodifluoromethane	238	U	317	95.2	238	ug/kg	1		10/11/24 15:25
Ethylbenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
Freon-113	238	U	317	98.4	238	ug/kg	1		10/11/24 15:25
Hexachlorobutadiene	47.6	U	63.5	19.7	47.6	ug/kg	1		10/11/24 15:25
Isopropylbenzene (Cumene)	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
Methylene chloride	119	J	317	98.4	238	ug/kg	1		10/11/24 15:25
Methyl-t-butyl ether	238	U	317	98.4	238	ug/kg	1		10/11/24 15:25
Naphthalene	26.8	J	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
n-Butylbenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
n-Propylbenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
o-Xylene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
P & M -Xylene	119	U	159	47.6	119	ug/kg	1		10/11/24 15:25
sec-Butylbenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
Styrene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
tert-Butylbenzene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
Tetrachloroethene	29.8	U	39.7	12.4	29.8	ug/kg	1		10/11/24 15:25
Toluene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
trans-1,2-Dichloroethene	59.6	U	79.4	24.8	59.6	ug/kg	1		10/11/24 15:25
trans-1,3-Dichloropropene	29.8	U	39.7	12.4	29.8	ug/kg	1		10/11/24 15:25
Trichloroethene	23.8	U	31.7	10.2	23.8	ug/kg	1		10/11/24 15:25
Trichlorofluoromethane	119	U	159	47.6	119	ug/kg	1		10/11/24 15:25
Vinyl acetate	238	U	317	98.4	238	ug/kg	1		10/11/24 15:25
Vinyl chloride	1.91	U	2.54	0.794	1.91	ug/kg	1		10/11/24 15:25
Xylenes (total)	179	U	238	72.4	179	ug/kg	1		10/11/24 15:25
Surrogates									
1,2-Dichloroethane-D4 (surr)	101		71-136			%	1		10/11/24 15:25
4-Bromofluorobenzene (surr)	87.8		55-151			%	1		10/11/24 15:25
Toluene-d8 (surr)	102		85-116			%	1		10/11/24 15:25

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Results of **24ELISO-TP21-7.0**

Client Sample ID: **24ELISO-TP21-7.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700020
Lab Project ID: 1245700

Collection Date: 09/27/24 11:05
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):57.3
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 15:25
Container ID: 1245700020-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 11:05
Prep Initial Wt./Vol.: 51.784 g
Prep Extract Vol: 47.1043 mL

Results of **24ELISO-TP04-8.0**

Client Sample ID: **24ELISO-TP04-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700021
Lab Project ID: 1245700

Collection Date: 09/27/24 14:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.5
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	8.01		1.14	0.354	0.855	mg/kg	10		10/18/24 20:44
Barium	138		0.342	0.107	0.257	mg/kg	10		10/18/24 20:44
Cadmium	0.273		0.228	0.0707	0.171	mg/kg	10		10/18/24 20:44
Chromium	27.5		1.14	0.354	0.855	mg/kg	10		10/18/24 20:44
Lead	13.5		0.228	0.0707	0.171	mg/kg	10		10/18/24 20:44
Mercury	0.171	U	0.228	0.0798	0.171	mg/kg	10		10/18/24 20:44
Selenium	1.73	J	2.28	0.707	1.71	mg/kg	10		10/18/24 20:44
Silver	0.427	U	0.570	0.171	0.427	mg/kg	10		10/18/24 20:44

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 20:44
Container ID: 1245700021-A

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/24 12:47
Prep Initial Wt./Vol.: 1.076 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP04-8.0**

Client Sample ID: **24ELISO-TP04-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700021
Lab Project ID: 1245700

Collection Date: 09/27/24 14:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.5
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
2-Methylnaphthalene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Acenaphthene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Acenaphthylene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Anthracene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Benzo(a)Anthracene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Benzo[a]pyrene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Benzo[b]Fluoranthene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Benzo[g,h,i]perylene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Benzo[k]fluoranthene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Chrysene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Dibenzo[a,h]anthracene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Fluoranthene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Fluorene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Indeno[1,2,3-c,d] pyrene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Naphthalene	18.1	U	24.2	6.05	18.1	ug/kg	1		11/09/24 05:50
Phenanthrene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Pyrene	22.6	U	30.2	7.56	22.6	ug/kg	1		11/09/24 05:50
Surrogates									
2-Methylnaphthalene-d10 (surr)	111		63-126			%	1		11/09/24 05:50
Fluoranthene-d10 (surr)	112		54-143			%	1		11/09/24 05:50

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/09/24 05:50
Container ID: 1245700021-A

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.822 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP04-8.0**

Client Sample ID: **24ELISO-TP04-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700021
Lab Project ID: 1245700

Collection Date: 09/27/24 14:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.5
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	20.6	J	24.2	10.9	18.1	mg/kg	1		11/07/24 04:20
Surrogates									
5a Androstane (surr)	93.4		50-150			%	1		11/07/24 04:20

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/07/24 04:20
Container ID: 1245700021-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.822 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	139		121	52.0	90.8	mg/kg	1		11/07/24 21:19
Surrogates									
n-Triacontane-d62 (surr)	82.6		50-150			%	1		11/07/24 21:19

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 21:19
Container ID: 1245700021-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.822 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP04-8.0**

Client Sample ID: **24ELISO-TP04-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700021
Lab Project ID: 1245700

Collection Date: 09/27/24 14:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.5
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.10	U	4.13	1.24	3.10	mg/kg	1		10/24/24 21:30
Surrogates									
4-Bromofluorobenzene (surr)	114		50-150			%	1		10/24/24 21:30

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: C.M
Analytical Date/Time: 10/24/24 21:30
Container ID: 1245700021-B

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 14:15
Prep Initial Wt./Vol.: 51.26 g
Prep Extract Vol: 34.4867 mL

Results of **24ELISO-TP04-8.0**

Client Sample ID: **24ELISO-TP04-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700021
Lab Project ID: 1245700

Collection Date: 09/27/24 14:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.5
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	24.8	U	33.0	10.2	24.8	ug/kg	1		10/11/24 15:41
1,1,1-Trichloroethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
1,1,2,2-Tetrachloroethane	2.47	U	3.30	1.02	2.47	ug/kg	1		10/11/24 15:41
1,1,2-Trichloroethane	1.24	U	1.65	0.826	1.24	ug/kg	1		10/11/24 15:41
1,1-Dichloroethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
1,1-Dichloroethene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
1,1-Dichloropropene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
1,2,3-Trichlorobenzene	124	U	165	49.5	124	ug/kg	1		10/11/24 15:41
1,2,3-Trichloropropane	2.47	U	3.30	1.02	2.47	ug/kg	1		10/11/24 15:41
1,2,4-Trichlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
1,2,4-Trimethylbenzene	124	U	165	49.5	124	ug/kg	1		10/11/24 15:41
1,2-Dibromo-3-chloropropane	124	U	165	51.2	124	ug/kg	1		10/11/24 15:41
1,2-Dibromoethane	1.86	U	2.48	1.24	1.86	ug/kg	1		10/11/24 15:41
1,2-Dichlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
1,2-Dichloroethane	2.47	U	3.30	1.16	2.47	ug/kg	1		10/11/24 15:41
1,2-Dichloropropane	12.4	U	16.5	8.26	12.4	ug/kg	1		10/11/24 15:41
1,3,5-Trimethylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
1,3-Dichlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
1,3-Dichloropropane	12.4	U	16.5	5.12	12.4	ug/kg	1		10/11/24 15:41
1,4-Dichlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
2,2-Dichloropropane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
2-Butanone (MEK)	310	U	413	129	310	ug/kg	1		10/11/24 15:41
2-Chlorotoluene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
2-Hexanone	149	U	198	99.1	149	ug/kg	1		10/11/24 15:41
4-Chlorotoluene	24.8	U	33.0	16.5	24.8	ug/kg	1		10/11/24 15:41
4-Isopropyltoluene	99.0	U	132	66.0	99.0	ug/kg	1		10/11/24 15:41
4-Methyl-2-pentanone (MIBK)	310	U	413	129	310	ug/kg	1		10/11/24 15:41
Acetone	310	U	413	182	310	ug/kg	1		10/11/24 15:41
Benzene	15.5	U	20.6	6.44	15.5	ug/kg	1		10/11/24 15:41
Bromobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
Bromochloromethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
Bromodichloromethane	2.47	U	3.30	1.02	2.47	ug/kg	1		10/11/24 15:41
Bromoform	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
Bromomethane	24.8	U	33.0	13.2	24.8	ug/kg	1		10/11/24 15:41
Carbon disulfide	124	U	165	51.2	124	ug/kg	1		10/11/24 15:41
Carbon tetrachloride	15.5	U	20.6	6.44	15.5	ug/kg	1		10/11/24 15:41
Chlorobenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41

Results of **24ELISO-TP04-8.0**

Client Sample ID: **24ELISO-TP04-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700021
Lab Project ID: 1245700

Collection Date: 09/27/24 14:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.5
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	248	U	330	102	248	ug/kg	1		10/11/24 15:41
Chloroform	7.43	U	9.91	4.95	7.43	ug/kg	1		10/11/24 15:41
Chloromethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
cis-1,2-Dichloroethene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
cis-1,3-Dichloropropene	15.5	U	20.6	6.44	15.5	ug/kg	1		10/11/24 15:41
Dibromochloromethane	6.20	U	8.26	2.48	6.20	ug/kg	1		10/11/24 15:41
Dibromomethane	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
Dichlorodifluoromethane	124	U	165	49.5	124	ug/kg	1		10/11/24 15:41
Ethylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
Freon-113	124	U	165	51.2	124	ug/kg	1		10/11/24 15:41
Hexachlorobutadiene	24.8	U	33.0	10.2	24.8	ug/kg	1		10/11/24 15:41
Isopropylbenzene (Cumene)	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
Methylene chloride	57.3	J	165	51.2	124	ug/kg	1		10/11/24 15:41
Methyl-t-butyl ether	124	U	165	51.2	124	ug/kg	1		10/11/24 15:41
Naphthalene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
n-Butylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
n-Propylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
o-Xylene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
P & M -Xylene	61.9	U	82.6	24.8	61.9	ug/kg	1		10/11/24 15:41
sec-Butylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
Styrene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
tert-Butylbenzene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
Tetrachloroethene	15.5	U	20.6	6.44	15.5	ug/kg	1		10/11/24 15:41
Toluene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
trans-1,2-Dichloroethene	31.0	U	41.3	12.9	31.0	ug/kg	1		10/11/24 15:41
trans-1,3-Dichloropropene	15.5	U	20.6	6.44	15.5	ug/kg	1		10/11/24 15:41
Trichloroethene	12.4	U	16.5	5.28	12.4	ug/kg	1		10/11/24 15:41
Trichlorofluoromethane	61.9	U	82.6	24.8	61.9	ug/kg	1		10/11/24 15:41
Vinyl acetate	124	U	165	51.2	124	ug/kg	1		10/11/24 15:41
Vinyl chloride	0.990	U	1.32	0.413	0.990	ug/kg	1		10/11/24 15:41
Xylenes (total)	93.0	U	124	37.6	93.0	ug/kg	1		10/11/24 15:41
Surrogates									
1,2-Dichloroethane-D4 (surr)	100		71-136			%	1		10/11/24 15:41
4-Bromofluorobenzene (surr)	134		55-151			%	1		10/11/24 15:41
Toluene-d8 (surr)	103		85-116			%	1		10/11/24 15:41

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP04-8.0**

Client Sample ID: **24ELISO-TP04-8.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700021
Lab Project ID: 1245700

Collection Date: 09/27/24 14:15
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):81.5
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 15:41
Container ID: 1245700021-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 14:15
Prep Initial Wt./Vol.: 51.26 g
Prep Extract Vol: 34.4867 mL

Results of **24ELISO-TP01-5.0**

Client Sample ID: **24ELISO-TP01-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700022
Lab Project ID: 1245700

Collection Date: 09/27/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):74.5
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	5.85		1.28	0.397	0.960	mg/kg	10		10/18/24 18:15
Barium	127		0.384	0.120	0.288	mg/kg	10		10/18/24 18:15
Cadmium	0.309		0.256	0.0794	0.192	mg/kg	10		10/18/24 18:15
Chromium	23.6		1.28	0.397	0.960	mg/kg	10		10/18/24 18:15
Lead	12.1		0.256	0.0794	0.192	mg/kg	10		10/18/24 18:15
Mercury	0.0905	J	0.256	0.0896	0.192	mg/kg	10		10/18/24 18:15
Selenium	1.29	J	2.56	0.794	1.92	mg/kg	10		10/18/24 18:15
Silver	0.480	U	0.640	0.192	0.480	mg/kg	10		10/18/24 18:15

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 18:15
Container ID: 1245700022-A

Prep Batch: MXX37137
Prep Method: SW3050B
Prep Date/Time: 10/10/24 14:39
Prep Initial Wt./Vol.: 1.049 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP01-5.0**

Client Sample ID: **24ELISO-TP01-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700022
Lab Project ID: 1245700

Collection Date: 09/27/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):74.5
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
2-Methylnaphthalene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Acenaphthene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Acenaphthylene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Anthracene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Benzo(a)Anthracene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Benzo[a]pyrene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Benzo[b]Fluoranthene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Benzo[g,h,i]perylene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Benzo[k]fluoranthene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Chrysene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Dibenzo[a,h]anthracene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Fluoranthene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Fluorene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Indeno[1,2,3-c,d] pyrene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Naphthalene	19.8	U	26.4	6.60	19.8	ug/kg	1		11/09/24 06:06
Phenanthrene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Pyrene	24.8	U	33.0	8.25	24.8	ug/kg	1		11/09/24 06:06
Surrogates									
2-Methylnaphthalene-d10 (surr)	109		63-126			%	1		11/09/24 06:06
Fluoranthene-d10 (surr)	116		54-143			%	1		11/09/24 06:06

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/09/24 06:06
Container ID: 1245700022-A

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.899 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP01-5.0**

Client Sample ID: **24ELISO-TP01-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700022
Lab Project ID: 1245700

Collection Date: 09/27/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):74.5
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	64.9		26.4	11.9	19.8	mg/kg	1		11/07/24 04:29
Surrogates									
5a Androstane (surr)	112		50-150			%	1		11/07/24 04:29

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/07/24 04:29
Container ID: 1245700022-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.899 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	592		132	56.7	99.0	mg/kg	1		11/07/24 21:29
Surrogates									
n-Triacontane-d62 (surr)	96.8		50-150			%	1		11/07/24 21:29

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 21:29
Container ID: 1245700022-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.899 g
Prep Extract Vol: 5 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 f 907.561.5301 www.us.sgs.com

Results of **24ELISO-TP01-5.0**

Client Sample ID: **24ELISO-TP01-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700022
Lab Project ID: 1245700

Collection Date: 09/27/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):74.5
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.80	U	5.06	1.52	3.80	mg/kg	1		10/24/24 21:48
Surrogates									
4-Bromofluorobenzene (surr)	103		50-150			%	1		10/24/24 21:48

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: C.M
Analytical Date/Time: 10/24/24 21:48
Container ID: 1245700022-B

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 14:20
Prep Initial Wt./Vol.: 50.111 g
Prep Extract Vol: 37.7958 mL

Results of **24ELISO-TP01-5.0**

Client Sample ID: **24ELISO-TP01-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700022
Lab Project ID: 1245700

Collection Date: 09/27/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):74.5
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	30.4	U	40.5	12.6	30.4	ug/kg	1		10/11/24 15:57
1,1,1-Trichloroethane	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
1,1,2,2-Tetrachloroethane	3.04	U	4.05	1.26	3.04	ug/kg	1		10/11/24 15:57
1,1,2-Trichloroethane	1.52	U	2.03	1.01	1.52	ug/kg	1		10/11/24 15:57
1,1-Dichloroethane	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
1,1-Dichloroethene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
1,1-Dichloropropene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
1,2,3-Trichlorobenzene	152	U	203	60.8	152	ug/kg	1		10/11/24 15:57
1,2,3-Trichloropropane	3.04	U	4.05	1.26	3.04	ug/kg	1		10/11/24 15:57
1,2,4-Trichlorobenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
1,2,4-Trimethylbenzene	152	U	203	60.8	152	ug/kg	1		10/11/24 15:57
1,2-Dibromo-3-chloropropane	152	U	203	62.8	152	ug/kg	1		10/11/24 15:57
1,2-Dibromoethane	2.28	U	3.04	1.52	2.28	ug/kg	1		10/11/24 15:57
1,2-Dichlorobenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
1,2-Dichloroethane	3.04	U	4.05	1.42	3.04	ug/kg	1		10/11/24 15:57
1,2-Dichloropropane	15.2	U	20.3	10.1	15.2	ug/kg	1		10/11/24 15:57
1,3,5-Trimethylbenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
1,3-Dichlorobenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
1,3-Dichloropropane	15.2	U	20.3	6.28	15.2	ug/kg	1		10/11/24 15:57
1,4-Dichlorobenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
2,2-Dichloropropane	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
2-Butanone (MEK)	380	U	506	158	380	ug/kg	1		10/11/24 15:57
2-Chlorotoluene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
2-Hexanone	182	U	243	122	182	ug/kg	1		10/11/24 15:57
4-Chlorotoluene	30.4	U	40.5	20.3	30.4	ug/kg	1		10/11/24 15:57
4-Isopropyltoluene	122	U	162	81.0	122	ug/kg	1		10/11/24 15:57
4-Methyl-2-pentanone (MIBK)	380	U	506	158	380	ug/kg	1		10/11/24 15:57
Acetone	700		506	223	380	ug/kg	1		10/11/24 15:57
Benzene	19.0	U	25.3	7.90	19.0	ug/kg	1		10/11/24 15:57
Bromobenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
Bromochloromethane	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
Bromodichloromethane	3.04	U	4.05	1.26	3.04	ug/kg	1		10/11/24 15:57
Bromoform	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
Bromomethane	30.4	U	40.5	16.2	30.4	ug/kg	1		10/11/24 15:57
Carbon disulfide	152	U	203	62.8	152	ug/kg	1		10/11/24 15:57
Carbon tetrachloride	19.0	U	25.3	7.90	19.0	ug/kg	1		10/11/24 15:57
Chlorobenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57

Results of **24ELISO-TP01-5.0**

Client Sample ID: **24ELISO-TP01-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700022
Lab Project ID: 1245700

Collection Date: 09/27/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):74.5
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	304	U	405	126	304	ug/kg	1		10/11/24 15:57
Chloroform	9.15	U	12.2	6.08	9.15	ug/kg	1		10/11/24 15:57
Chloromethane	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
cis-1,2-Dichloroethene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
cis-1,3-Dichloropropene	19.0	U	25.3	7.90	19.0	ug/kg	1		10/11/24 15:57
Dibromochloromethane	7.57	U	10.1	3.04	7.57	ug/kg	1		10/11/24 15:57
Dibromomethane	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
Dichlorodifluoromethane	152	U	203	60.8	152	ug/kg	1		10/11/24 15:57
Ethylbenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
Freon-113	152	U	203	62.8	152	ug/kg	1		10/11/24 15:57
Hexachlorobutadiene	30.4	U	40.5	12.6	30.4	ug/kg	1		10/11/24 15:57
Isopropylbenzene (Cumene)	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
Methylene chloride	70.1	J	203	62.8	152	ug/kg	1		10/11/24 15:57
Methyl-t-butyl ether	152	U	203	62.8	152	ug/kg	1		10/11/24 15:57
Naphthalene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
n-Butylbenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
n-Propylbenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
o-Xylene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
P & M -Xylene	75.8	U	101	30.4	75.8	ug/kg	1		10/11/24 15:57
sec-Butylbenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
Styrene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
tert-Butylbenzene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
Tetrachloroethene	19.0	U	25.3	7.90	19.0	ug/kg	1		10/11/24 15:57
Toluene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
trans-1,2-Dichloroethene	38.0	U	50.6	15.8	38.0	ug/kg	1		10/11/24 15:57
trans-1,3-Dichloropropene	19.0	U	25.3	7.90	19.0	ug/kg	1		10/11/24 15:57
Trichloroethene	15.2	U	20.3	6.48	15.2	ug/kg	1		10/11/24 15:57
Trichlorofluoromethane	75.8	U	101	30.4	75.8	ug/kg	1		10/11/24 15:57
Vinyl acetate	152	U	203	62.8	152	ug/kg	1		10/11/24 15:57
Vinyl chloride	1.22	U	1.62	0.506	1.22	ug/kg	1		10/11/24 15:57
Xylenes (total)	114	U	152	46.2	114	ug/kg	1		10/11/24 15:57
Surrogates									
1,2-Dichloroethane-D4 (surr)	102		71-136			%	1		10/11/24 15:57
4-Bromofluorobenzene (surr)	127		55-151			%	1		10/11/24 15:57
Toluene-d8 (surr)	102		85-116			%	1		10/11/24 15:57

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP01-5.0**

Client Sample ID: **24ELISO-TP01-5.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700022
Lab Project ID: 1245700

Collection Date: 09/27/24 14:20
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):74.5
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 15:57
Container ID: 1245700022-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 14:20
Prep Initial Wt./Vol.: 50.111 g
Prep Extract Vol: 37.7958 mL

Results of **24ELISO-TP17-6.0**

Client Sample ID: **24ELISO-TP17-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700023
Lab Project ID: 1245700

Collection Date: 09/27/24 15:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):86.0
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	5.12		1.10	0.342	0.825	mg/kg	10		10/18/24 18:17
Barium	65.1		0.331	0.104	0.248	mg/kg	10		10/18/24 18:17
Cadmium	0.194	J	0.220	0.0683	0.165	mg/kg	10		10/18/24 18:17
Chromium	11.8		1.10	0.342	0.825	mg/kg	10		10/18/24 18:17
Lead	7.52		0.220	0.0683	0.165	mg/kg	10		10/18/24 18:17
Mercury	0.165	U	0.220	0.0771	0.165	mg/kg	10		10/18/24 18:17
Selenium	1.65	U	2.20	0.683	1.65	mg/kg	10		10/18/24 18:17
Silver	0.413	U	0.551	0.165	0.413	mg/kg	10		10/18/24 18:17

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 18:17
Container ID: 1245700023-A

Prep Batch: MXX37137
Prep Method: SW3050B
Prep Date/Time: 10/10/24 14:39
Prep Initial Wt./Vol.: 1.056 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP17-6.0**

Client Sample ID: **24ELISO-TP17-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700023
Lab Project ID: 1245700

Collection Date: 09/27/24 15:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):86.0
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
2-Methylnaphthalene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Acenaphthene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Acenaphthylene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Anthracene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Benzo(a)Anthracene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Benzo[a]pyrene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Benzo[b]Fluoranthene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Benzo[g,h,i]perylene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Benzo[k]fluoranthene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Chrysene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Dibenzo[a,h]anthracene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Fluoranthene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Fluorene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Indeno[1,2,3-c,d] pyrene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Naphthalene	17.3	U	23.1	5.79	17.3	ug/kg	1		11/09/24 06:22
Phenanthrene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Pyrene	21.7	U	28.9	7.23	21.7	ug/kg	1		11/09/24 06:22
Surrogates									
2-Methylnaphthalene-d10 (surr)	114		63-126			%	1		11/09/24 06:22
Fluoranthene-d10 (surr)	115		54-143			%	1		11/09/24 06:22

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/09/24 06:22
Container ID: 1245700023-A

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.623 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:41:06AM

J flagging is activated

Results of **24ELISO-TP17-6.0**

Client Sample ID: **24ELISO-TP17-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700023
Lab Project ID: 1245700

Collection Date: 09/27/24 15:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):86.0
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	35.4		23.1	10.4	17.3	mg/kg	1		11/07/24 04:39
Surrogates									
5a Androstane (surr)	112		50-150			%	1		11/07/24 04:39

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/07/24 04:39
Container ID: 1245700023-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.623 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	326		116	49.8	87.0	mg/kg	1		11/07/24 21:38
Surrogates									
n-Triacontane-d62 (surr)	91.3		50-150			%	1		11/07/24 21:38

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 21:38
Container ID: 1245700023-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.623 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP17-6.0**

Client Sample ID: **24ELISO-TP17-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700023
Lab Project ID: 1245700

Collection Date: 09/27/24 15:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):86.0
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	2.76	U	3.68	1.10	2.76	mg/kg	1		10/24/24 22:06
Surrogates									
4-Bromofluorobenzene (surr)	105		50-150			%	1		10/24/24 22:06

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: C.M
Analytical Date/Time: 10/24/24 22:06
Container ID: 1245700023-B

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 15:30
Prep Initial Wt./Vol.: 50.775 g
Prep Extract Vol: 32.1326 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **24ELISO-TP17-6.0**

Client Sample ID: **24ELISO-TP17-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700023
Lab Project ID: 1245700

Collection Date: 09/27/24 15:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):86.0
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	22.1	U	29.5	9.13	22.1	ug/kg	1		10/11/24 16:13
1,1,1-Trichloroethane	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
1,1,2,2-Tetrachloroethane	2.21	U	2.95	0.913	2.21	ug/kg	1		10/11/24 16:13
1,1,2-Trichloroethane	1.10	U	1.47	0.736	1.10	ug/kg	1		10/11/24 16:13
1,1-Dichloroethane	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
1,1-Dichloroethene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
1,1-Dichloropropene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
1,2,3-Trichlorobenzene	110	U	147	44.2	110	ug/kg	1		10/11/24 16:13
1,2,3-Trichloropropane	2.21	U	2.95	0.913	2.21	ug/kg	1		10/11/24 16:13
1,2,4-Trichlorobenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
1,2,4-Trimethylbenzene	110	U	147	44.2	110	ug/kg	1		10/11/24 16:13
1,2-Dibromo-3-chloropropane	110	U	147	45.6	110	ug/kg	1		10/11/24 16:13
1,2-Dibromoethane	1.66	U	2.21	1.10	1.66	ug/kg	1		10/11/24 16:13
1,2-Dichlorobenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
1,2-Dichloroethane	2.21	U	2.95	1.03	2.21	ug/kg	1		10/11/24 16:13
1,2-Dichloropropane	11.0	U	14.7	7.36	11.0	ug/kg	1		10/11/24 16:13
1,3,5-Trimethylbenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
1,3-Dichlorobenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
1,3-Dichloropropane	11.0	U	14.7	4.56	11.0	ug/kg	1		10/11/24 16:13
1,4-Dichlorobenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
2,2-Dichloropropane	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
2-Butanone (MEK)	276	U	368	115	276	ug/kg	1		10/11/24 16:13
2-Chlorotoluene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
2-Hexanone	133	U	177	88.4	133	ug/kg	1		10/11/24 16:13
4-Chlorotoluene	22.1	U	29.5	14.7	22.1	ug/kg	1		10/11/24 16:13
4-Isopropyltoluene	88.5	U	118	58.9	88.5	ug/kg	1		10/11/24 16:13
4-Methyl-2-pentanone (MIBK)	276	U	368	115	276	ug/kg	1		10/11/24 16:13
Acetone	442		368	162	276	ug/kg	1		10/11/24 16:13
Benzene	13.8	U	18.4	5.74	13.8	ug/kg	1		10/11/24 16:13
Bromobenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
Bromochloromethane	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
Bromodichloromethane	2.21	U	2.95	0.913	2.21	ug/kg	1		10/11/24 16:13
Bromoform	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
Bromomethane	22.1	U	29.5	11.8	22.1	ug/kg	1		10/11/24 16:13
Carbon disulfide	110	U	147	45.6	110	ug/kg	1		10/11/24 16:13
Carbon tetrachloride	13.8	U	18.4	5.74	13.8	ug/kg	1		10/11/24 16:13
Chlorobenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13

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J flagging is activated

Results of **24ELISO-TP17-6.0**

Client Sample ID: **24ELISO-TP17-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700023
Lab Project ID: 1245700

Collection Date: 09/27/24 15:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):86.0
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	221	U	295	91.3	221	ug/kg	1		10/11/24 16:13
Chloroform	6.63	U	8.84	4.42	6.63	ug/kg	1		10/11/24 16:13
Chloromethane	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
cis-1,2-Dichloroethene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
cis-1,3-Dichloropropene	13.8	U	18.4	5.74	13.8	ug/kg	1		10/11/24 16:13
Dibromochloromethane	5.52	U	7.36	2.21	5.52	ug/kg	1		10/11/24 16:13
Dibromomethane	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
Dichlorodifluoromethane	110	U	147	44.2	110	ug/kg	1		10/11/24 16:13
Ethylbenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
Freon-113	110	U	147	45.6	110	ug/kg	1		10/11/24 16:13
Hexachlorobutadiene	22.1	U	29.5	9.13	22.1	ug/kg	1		10/11/24 16:13
Isopropylbenzene (Cumene)	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
Methylene chloride	61.8	J	147	45.6	110	ug/kg	1		10/11/24 16:13
Methyl-t-butyl ether	110	U	147	45.6	110	ug/kg	1		10/11/24 16:13
Naphthalene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
n-Butylbenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
n-Propylbenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
o-Xylene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
P & M -Xylene	55.2	U	73.6	22.1	55.2	ug/kg	1		10/11/24 16:13
sec-Butylbenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
Styrene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
tert-Butylbenzene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
Tetrachloroethene	13.8	U	18.4	5.74	13.8	ug/kg	1		10/11/24 16:13
Toluene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
trans-1,2-Dichloroethene	27.6	U	36.8	11.5	27.6	ug/kg	1		10/11/24 16:13
trans-1,3-Dichloropropene	13.8	U	18.4	5.74	13.8	ug/kg	1		10/11/24 16:13
Trichloroethene	11.0	U	14.7	4.71	11.0	ug/kg	1		10/11/24 16:13
Trichlorofluoromethane	55.2	U	73.6	22.1	55.2	ug/kg	1		10/11/24 16:13
Vinyl acetate	110	U	147	45.6	110	ug/kg	1		10/11/24 16:13
Vinyl chloride	0.885	U	1.18	0.368	0.885	ug/kg	1		10/11/24 16:13
Xylenes (total)	82.5	U	110	33.6	82.5	ug/kg	1		10/11/24 16:13
Surrogates									
1,2-Dichloroethane-D4 (surr)	102		71-136			%	1		10/11/24 16:13
4-Bromofluorobenzene (surr)	124		55-151			%	1		10/11/24 16:13
Toluene-d8 (surr)	101		85-116			%	1		10/11/24 16:13

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J flagging is activated

Results of **24ELISO-TP17-6.0**

Client Sample ID: **24ELISO-TP17-6.0**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700023
Lab Project ID: 1245700

Collection Date: 09/27/24 15:30
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):86.0
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 16:13
Container ID: 1245700023-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 15:30
Prep Initial Wt./Vol.: 50.775 g
Prep Extract Vol: 32.1326 mL

SGS North America Inc.
200 West Potter Drive Anchorage, AK 95518
t 907.562.2343 **f** 907.561.5301 www.us.sgs.com

Results of **24ELISO-TP15-5.5**

Client Sample ID: **24ELISO-TP15-5.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700024
Lab Project ID: 1245700

Collection Date: 09/27/24 17:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):72.9
Location:

Results by **Metals by ICP/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Arsenic	8.51		1.25	0.387	0.938	mg/kg	10		10/18/24 18:20
Barium	109		0.375	0.117	0.281	mg/kg	10		10/18/24 18:20
Cadmium	0.301		0.250	0.0775	0.188	mg/kg	10		10/18/24 18:20
Chromium	43.4		1.25	0.387	0.938	mg/kg	10		10/18/24 18:20
Lead	193		0.250	0.0775	0.188	mg/kg	10		10/18/24 18:20
Mercury	0.188	U	0.250	0.0875	0.188	mg/kg	10		10/18/24 18:20
Selenium	1.07	J	2.50	0.775	1.88	mg/kg	10		10/18/24 18:20
Silver	0.469	U	0.625	0.187	0.469	mg/kg	10		10/18/24 18:20

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Analyst: HGS
Analytical Date/Time: 10/18/24 18:20
Container ID: 1245700024-A

Prep Batch: MXX37137
Prep Method: SW3050B
Prep Date/Time: 10/10/24 14:39
Prep Initial Wt./Vol.: 1.097 g
Prep Extract Vol: 50 mL

Results of **24ELISO-TP15-5.5**

Client Sample ID: **24ELISO-TP15-5.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700024
Lab Project ID: 1245700

Collection Date: 09/27/24 17:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):72.9
Location:

Results by **Polynuclear Aromatics GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1-Methylnaphthalene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
2-Methylnaphthalene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Acenaphthene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Acenaphthylene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Anthracene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Benzo(a)Anthracene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Benzo[a]pyrene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Benzo[b]Fluoranthene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Benzo[g,h,i]perylene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Benzo[k]fluoranthene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Chrysene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Dibenzo[a,h]anthracene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Fluoranthene	23.6	J	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Fluorene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Indeno[1,2,3-c,d] pyrene	25.7	U	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Naphthalene	20.5	U	27.4	6.85	20.5	ug/kg	1		11/09/24 06:38
Phenanthrene	11.0	J	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Pyrene	23.5	J	34.3	8.56	25.7	ug/kg	1		11/09/24 06:38
Surrogates									
2-Methylnaphthalene-d10 (surr)	111		63-126			%	1		11/09/24 06:38
Fluoranthene-d10 (surr)	116		54-143			%	1		11/09/24 06:38

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Analyst: HBL
Analytical Date/Time: 11/09/24 06:38
Container ID: 1245700024-A

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.511 g
Prep Extract Vol: 5 mL

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J flagging is activated

Results of **24ELISO-TP15-5.5**

Client Sample ID: **24ELISO-TP15-5.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700024
Lab Project ID: 1245700

Collection Date: 09/27/24 17:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):72.9
Location:

Results by **Semivolatile Organic Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Diesel Range Organics	95.6		27.4	12.3	20.5	mg/kg	1		11/07/24 04:48
Surrogates									
5a Androstane (surr)	113		50-150			%	1		11/07/24 04:48

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Analyst: KFC
Analytical Date/Time: 11/07/24 04:48
Container ID: 1245700024-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.511 g
Prep Extract Vol: 5 mL

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Residual Range Organics	812		137	58.9	103	mg/kg	1		11/07/24 21:48
Surrogates									
n-Triacontane-d62 (surr)	99.3		50-150			%	1		11/07/24 21:48

Batch Information

Analytical Batch: XFC17102
Analytical Method: AK103
Analyst: T.L
Analytical Date/Time: 11/07/24 21:48
Container ID: 1245700024-A

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/07/24 10:06
Prep Initial Wt./Vol.: 22.511 g
Prep Extract Vol: 5 mL

Results of **24ELISO-TP15-5.5**

Client Sample ID: **24ELISO-TP15-5.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700024
Lab Project ID: 1245700

Collection Date: 09/27/24 17:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):72.9
Location:

Results by **Volatile Fuels**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Gasoline Range Organics	3.92	U	5.22	1.57	3.92	mg/kg	1		10/24/24 22:25
Surrogates									
4-Bromofluorobenzene (surr)	106		50-150			%	1		10/24/24 22:25

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Analyst: C.M
Analytical Date/Time: 10/24/24 22:25
Container ID: 1245700024-B

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 09/27/24 17:00
Prep Initial Wt./Vol.: 50.85 g
Prep Extract Vol: 38.7564 mL

Results of **24ELISO-TP15-5.5**

Client Sample ID: **24ELISO-TP15-5.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700024
Lab Project ID: 1245700

Collection Date: 09/27/24 17:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):72.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
1,1,1,2-Tetrachloroethane	31.3	U	41.8	13.0	31.3	ug/kg	1		10/11/24 16:30
1,1,1-Trichloroethane	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
1,1,2,2-Tetrachloroethane	3.13	U	4.18	1.30	3.13	ug/kg	1		10/11/24 16:30
1,1,2-Trichloroethane	1.57	U	2.09	1.04	1.57	ug/kg	1		10/11/24 16:30
1,1-Dichloroethane	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
1,1-Dichloroethene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
1,1-Dichloropropene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
1,2,3-Trichlorobenzene	157	U	209	62.7	157	ug/kg	1		10/11/24 16:30
1,2,3-Trichloropropane	3.13	U	4.18	1.30	3.13	ug/kg	1		10/11/24 16:30
1,2,4-Trichlorobenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
1,2,4-Trimethylbenzene	157	U	209	62.7	157	ug/kg	1		10/11/24 16:30
1,2-Dibromo-3-chloropropane	157	U	209	64.8	157	ug/kg	1		10/11/24 16:30
1,2-Dibromoethane	2.35	U	3.13	1.57	2.35	ug/kg	1		10/11/24 16:30
1,2-Dichlorobenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
1,2-Dichloroethane	3.13	U	4.18	1.46	3.13	ug/kg	1		10/11/24 16:30
1,2-Dichloropropane	15.7	U	20.9	10.4	15.7	ug/kg	1		10/11/24 16:30
1,3,5-Trimethylbenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
1,3-Dichlorobenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
1,3-Dichloropropane	15.7	U	20.9	6.48	15.7	ug/kg	1		10/11/24 16:30
1,4-Dichlorobenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
2,2-Dichloropropane	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
2-Butanone (MEK)	392	U	522	163	392	ug/kg	1		10/11/24 16:30
2-Chlorotoluene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
2-Hexanone	188	U	251	125	188	ug/kg	1		10/11/24 16:30
4-Chlorotoluene	31.3	U	41.8	20.9	31.3	ug/kg	1		10/11/24 16:30
4-Isopropyltoluene	93.6	J	167	83.6	125	ug/kg	1		10/11/24 16:30
4-Methyl-2-pentanone (MIBK)	392	U	522	163	392	ug/kg	1		10/11/24 16:30
Acetone	670		522	230	392	ug/kg	1		10/11/24 16:30
Benzene	19.6	U	26.1	8.15	19.6	ug/kg	1		10/11/24 16:30
Bromobenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
Bromochloromethane	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
Bromodichloromethane	3.13	U	4.18	1.30	3.13	ug/kg	1		10/11/24 16:30
Bromoform	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
Bromomethane	31.3	U	41.8	16.7	31.3	ug/kg	1		10/11/24 16:30
Carbon disulfide	157	U	209	64.8	157	ug/kg	1		10/11/24 16:30
Carbon tetrachloride	19.6	U	26.1	8.15	19.6	ug/kg	1		10/11/24 16:30
Chlorobenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30

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J flagging is activated

Results of **24ELISO-TP15-5.5**

Client Sample ID: **24ELISO-TP15-5.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700024
Lab Project ID: 1245700

Collection Date: 09/27/24 17:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):72.9
Location:

Results by **Volatile GC/MS**

Parameter	Result	Qual	LOQ/CL	DL	LOD	Units	DF	Allowable Limits	Date Analyzed
Chloroethane	314	U	418	130	314	ug/kg	1		10/11/24 16:30
Chloroform	9.38	U	12.5	6.27	9.38	ug/kg	1		10/11/24 16:30
Chloromethane	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
cis-1,2-Dichloroethene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
cis-1,3-Dichloropropene	19.6	U	26.1	8.15	19.6	ug/kg	1		10/11/24 16:30
Dibromochloromethane	7.80	U	10.4	3.13	7.80	ug/kg	1		10/11/24 16:30
Dibromomethane	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
Dichlorodifluoromethane	157	U	209	62.7	157	ug/kg	1		10/11/24 16:30
Ethylbenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
Freon-113	157	U	209	64.8	157	ug/kg	1		10/11/24 16:30
Hexachlorobutadiene	31.3	U	41.8	13.0	31.3	ug/kg	1		10/11/24 16:30
Isopropylbenzene (Cumene)	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
Methylene chloride	157	U	209	64.8	157	ug/kg	1		10/11/24 16:30
Methyl-t-butyl ether	157	U	209	64.8	157	ug/kg	1		10/11/24 16:30
Naphthalene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
n-Butylbenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
n-Propylbenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
o-Xylene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
P & M -Xylene	78.0	U	104	31.3	78.0	ug/kg	1		10/11/24 16:30
sec-Butylbenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
Styrene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
tert-Butylbenzene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
Tetrachloroethene	19.6	U	26.1	8.15	19.6	ug/kg	1		10/11/24 16:30
Toluene	31.8	J	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
trans-1,2-Dichloroethene	39.2	U	52.2	16.3	39.2	ug/kg	1		10/11/24 16:30
trans-1,3-Dichloropropene	19.6	U	26.1	8.15	19.6	ug/kg	1		10/11/24 16:30
Trichloroethene	15.7	U	20.9	6.69	15.7	ug/kg	1		10/11/24 16:30
Trichlorofluoromethane	105		104	31.3	78.0	ug/kg	1		10/11/24 16:30
Vinyl acetate	157	U	209	64.8	157	ug/kg	1		10/11/24 16:30
Vinyl chloride	1.25	U	1.67	0.522	1.25	ug/kg	1		10/11/24 16:30
Xylenes (total)	118	U	157	47.6	118	ug/kg	1		10/11/24 16:30
Surrogates									
1,2-Dichloroethane-D4 (surr)	102		71-136			%	1		10/11/24 16:30
4-Bromofluorobenzene (surr)	132		55-151			%	1		10/11/24 16:30
Toluene-d8 (surr)	101		85-116			%	1		10/11/24 16:30

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J flagging is activated

Results of **24ELISO-TP15-5.5**

Client Sample ID: **24ELISO-TP15-5.5**
Client Project ID: **6474 - ELIM SHOP**
Lab Sample ID: 1245700024
Lab Project ID: 1245700

Collection Date: 09/27/24 17:00
Received Date: 09/30/24 16:53
Matrix: Soil/Solid (dry weight)
Solids (%):72.9
Location:

Results by **Volatile GC/MS**

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Analyst: EJB
Analytical Date/Time: 10/11/24 16:30
Container ID: 1245700024-B

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 09/27/24 17:00
Prep Initial Wt./Vol.: 50.85 g
Prep Extract Vol: 38.7564 mL

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Method Blank

Blank ID: MB for HBN 1901414 [MXX/37136]
Blank Lab ID: 1793964

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021

Results by **SW6020B**

Parameter	Results	LOQ/CL	DL	LOD	Units
Arsenic	0.750U	1.00	0.310	0.750	mg/kg
Barium	0.225U	0.300	0.0940	0.225	mg/kg
Cadmium	0.150U	0.200	0.0620	0.150	mg/kg
Chromium	0.750U	1.00	0.310	0.750	mg/kg
Lead	0.150U	0.200	0.0620	0.150	mg/kg
Mercury	0.150U	0.200	0.0700	0.150	mg/kg
Selenium	1.50U	2.00	0.620	1.50	mg/kg
Silver	0.375U	0.500	0.150	0.375	mg/kg

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS
Analytical Date/Time: 10/18/2024 7:29:24PM

Prep Batch: MXX37136
Prep Method: SW3050B
Prep Date/Time: 10/10/2024 12:47:00PM
Prep Initial Wt./Vol.: 1 g
Prep Extract Vol: 50 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [MXX37136]
Blank Spike Lab ID: 1793965
Date Analyzed: 10/18/2024 19:32

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021

Results by **SW6020B**

Blank Spike (mg/kg)

Parameter	Spike	Result	Rec (%)	CL
Arsenic	50	48.6	97	(82-118)
Barium	50	48.6	97	(86-116)
Cadmium	5	4.78	96	(84-116)
Chromium	20	20.1	100	(83-119)
Lead	50	51.3	103	(84-118)
Mercury	0.5	0.498	100	(74-126)
Selenium	50	49.2	98	(80-119)
Silver	5	4.96	99	(83-118)

Batch Information

Analytical Batch: **MMS12453**
Analytical Method: **SW6020B**
Instrument: **P7 Agilent 7800**
Analyst: **HGS**

Prep Batch: **MXX37136**
Prep Method: **SW3050B**
Prep Date/Time: **10/10/2024 12:47**
Spike Init Wt./Vol.: 50 mg/kg Extract Vol: 50 mL
Dupe Init Wt./Vol.: Extract Vol:

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Matrix Spike Summary

Original Sample ID: 1793966
MS Sample ID: 1793967 MS
MSD Sample ID: 1793968 MSD

Analysis Date: 10/18/2024 19:34
Analysis Date: 10/18/2024 19:37
Analysis Date: 10/18/2024 19:39
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021

Results by **SW6020B**

		Matrix Spike (mg/kg)				Spike Duplicate (mg/kg)					
Parameter	Sample	Spike	Result	Rec (%)		Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Arsenic	3.32	46.5	41.8	83		49.1	44.6	84	82-118	6.32	(< 20)
Barium	67.2	46.5	110	92		49.1	111	90	86-116	1.18	(< 20)
Cadmium	0.377	4.65	4.51	89		4.91	4.68	88	84-116	3.85	(< 20)
Chromium	42.0	18.6	59.5	94		19.6	61.5	99	83-119	3.32	(< 20)
Lead	10.3	46.5	54.9	96		49.1	56.6	94	84-118	3.13	(< 20)
Selenium	5.43	46.5	42.5	80	*	49.1	46.0	83	80-119	7.88	(< 20)
Silver	0.361U	4.65	4.34	93		4.91	4.64	95	83-118	6.84	(< 20)

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS
Analytical Date/Time: 10/18/2024 7:37:00PM

Prep Batch: MXX37136
Prep Method: Soils/Solids Digest for Metals by ICP-MS
Prep Date/Time: 10/10/2024 12:47:00PM
Prep Initial Wt./Vol.: 1.08g
Prep Extract Vol: 50.00mL

Print Date: 11/18/2024 10:41:20AM

Method Blank

Blank ID: MB for HBN 1901417 [MXX/37137]
Blank Lab ID: 1793989

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700022, 1245700023, 1245700024

Results by **SW6020B**

Parameter	Results	LOQ/CL	DL	LOD	Units
Arsenic	0.750U	1.00	0.310	0.750	mg/kg
Barium	0.225U	0.300	0.0940	0.225	mg/kg
Cadmium	0.150U	0.200	0.0620	0.150	mg/kg
Chromium	0.750U	1.00	0.310	0.750	mg/kg
Lead	0.150U	0.200	0.0620	0.150	mg/kg
Mercury	0.150U	0.200	0.0700	0.150	mg/kg
Selenium	1.50U	2.00	0.620	1.50	mg/kg
Silver	0.375U	0.500	0.150	0.375	mg/kg

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS
Analytical Date/Time: 10/18/2024 5:17:00PM

Prep Batch: MXX37137
Prep Method: SW3050B
Prep Date/Time: 10/10/2024 2:39:00PM
Prep Initial Wt./Vol.: 1 g
Prep Extract Vol: 50 mL

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Duplicate Sample Summary

Original Sample ID: 1793991
Duplicate Sample ID: 1793995
QC for Samples:
1245700022, 1245700023, 1245700024

Analysis Date: 10/18/2024 17:40
Matrix: Soil/Solid (dry weight)

Results by **SW6020B**

NAME	Original	Duplicate	Units	RPD (%)	RPD CL
Arsenic	9.77	10.9	mg/kg	10.80	(< 20)
Barium	112	106	mg/kg	5.53	(< 20)
Cadmium	0.150J	0.195J	mg/kg	25.60*	(< 20)
Chromium	7.42	10.2	mg/kg	31.60*	(< 20)
Lead	4.81	5.39	mg/kg	11.20	(< 20)
Selenium	0.756J	0.754J	mg/kg	0.27	(< 20)

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS

Prep Batch: MXX37137
Prep Method: SW3050B
Prep Date/Time: 10/10/2024 2:39:00PM

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [MXX37137]
Blank Spike Lab ID: 1793990
Date Analyzed: 10/18/2024 17:20

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700022, 1245700023, 1245700024

Results by **SW6020B**

Blank Spike (mg/kg)

Parameter	Spike	Result	Rec (%)	CL
Arsenic	50	46.1	92	(82-118)
Barium	50	44.9	90	(86-116)
Cadmium	5	4.48	90	(84-116)
Chromium	20	19.1	95	(83-119)
Lead	50	48.5	97	(84-118)
Mercury	0.5	0.489	98	(74-126)
Selenium	50	45.7	92	(80-119)
Silver	5	4.76	95	(83-118)

Batch Information

Analytical Batch: **MMS12453**
Analytical Method: **SW6020B**
Instrument: **P7 Agilent 7800**
Analyst: **HGS**

Prep Batch: **MXX37137**
Prep Method: **SW3050B**
Prep Date/Time: **10/10/2024 14:39**
Spike Init Wt./Vol.: 50 mg/kg Extract Vol: 50 mL
Dupe Init Wt./Vol.: Extract Vol:

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Matrix Spike Summary

Original Sample ID: 1793991
MS Sample ID: 1793992 MS
MSD Sample ID: 1793993 MSD

Analysis Date: 10/18/2024 17:23
Analysis Date: 10/18/2024 17:25
Analysis Date: 10/18/2024 17:28
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700022, 1245700023, 1245700024

Results by **SW6020B**

		Matrix Spike (mg/kg)				Spike Duplicate (mg/kg)						
Parameter	Sample	Spike	Result	Rec (%)		Spike	Result	Rec (%)		CL	RPD (%)		RPD CL
Arsenic	9.77	48.5	37.4	57	*	48.8	53.8	90		82-118	35.90	*	(< 20)
Barium	112	48.5	124	23	*	48.8	198	177	*	86-116	46.50	*	(< 20)
Cadmium	0.150J	4.85	3.27	64	*	4.88	4.36	86		84-116	28.60	*	(< 20)
Chromium	7.42	19.4	17.7	53	*	19.5	31.0	121	*	83-119	54.60	*	(< 20)
Lead	4.81	48.5	36.2	65	*	48.8	50.1	93		84-118	32.30	*	(< 20)
Selenium	0.756J	48.5	32.7	66	*	48.8	42.6	86		80-119	26.40	*	(< 20)
Silver	0.367U	4.85	4.3	89		4.88	4.50	92		83-118	4.42		(< 20)

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS
Analytical Date/Time: 10/18/2024 5:25:00PM

Prep Batch: MXX37137
Prep Method: Soils/Solids Digest for Metals by ICP-MS
Prep Date/Time: 10/10/2024 2:39:00PM
Prep Initial Wt./Vol.: 1.03g
Prep Extract Vol: 50.00mL

Print Date: 11/18/2024 10:41:28AM

Bench Spike Summary

Original Sample ID: 1793991
MS Sample ID: 1793994 BND
MSD Sample ID:

Analysis Date: 10/18/2024 17:23
Analysis Date: 10/18/2024 17:38
Analysis Date:
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700022, 1245700023, 1245700024

Results by **SW6020B**

		Matrix Spike (mg/kg)			Spike Duplicate (mg/kg)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Arsenic	9.77	12.3	21.2	93				75-125		
Barium	112	245	352	98				75-125		
Cadmium	0.150J	123	110	90				75-125		
Chromium	7.42	123	121	93				75-125		
Lead	4.81	123	126	99				75-125		
Selenium	0.756J	12.3	11.9	91				75-125		

Batch Information

Analytical Batch: MMS12453
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS
Analytical Date/Time: 10/18/2024 5:38:00PM

Prep Batch: MXX37137
Prep Method: Soils/Solids Digest for Metals by ICP-MS
Prep Date/Time: 10/10/2024 2:39:00PM
Prep Initial Wt./Vol.: 1.02g
Prep Extract Vol: 50.00mL

Print Date: 11/18/2024 10:41:28AM

Method Blank

Blank ID: MB for HBN 1902362 [MXX/37198]
Blank Lab ID: 1797072

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700015

Results by **SW6020B**

Parameter	Results	LOQ/CL	DL	LOD	Units
Arsenic	0.750U	1.00	0.310	0.750	mg/kg
Barium	0.225U	0.300	0.0940	0.225	mg/kg
Cadmium	0.150U	0.200	0.0620	0.150	mg/kg
Chromium	0.750U	1.00	0.310	0.750	mg/kg
Lead	0.150U	0.200	0.0620	0.150	mg/kg
Mercury	0.150U	0.200	0.0700	0.150	mg/kg
Selenium	1.50U	2.00	0.620	1.50	mg/kg
Silver	0.375U	0.500	0.150	0.375	mg/kg

Batch Information

Analytical Batch: MMS12461
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS
Analytical Date/Time: 10/24/2024 5:40:38PM

Prep Batch: MXX37198
Prep Method: SW3050B
Prep Date/Time: 10/24/2024 1:21:00PM
Prep Initial Wt./Vol.: 1 g
Prep Extract Vol: 50 mL

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Duplicate Sample Summary

Original Sample ID: 1797074
Duplicate Sample ID: 1797078
QC for Samples:
1245700015

Analysis Date: 10/24/2024 17:57
Matrix: Soil/Solid (dry weight)

Results by **SW6020B**

NAME	Original	Duplicate	Units	RPD (%)	RPD CL
Arsenic	8.20	8.23	mg/kg	0.30	(< 20)
Barium	86.2	95.4	mg/kg	10.20	(< 20)
Cadmium	0.208	0.265	mg/kg	24.40*	(< 20)
Chromium	16.6	15.7	mg/kg	5.37	(< 20)
Lead	6.22	5.89	mg/kg	5.37	(< 20)
Selenium	1.42U	1.42U	mg/kg	0.00	(< 20)
Silver	0.356U	0.356U	mg/kg	0.00	(< 20)

Batch Information

Analytical Batch: MMS12461
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS

Prep Batch: MXX37198
Prep Method: SW3050B
Prep Date/Time: 10/24/2024 1:21:00PM

Print Date: 11/18/2024 10:41:33AM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [MXX37198]
Blank Spike Lab ID: 1797073
Date Analyzed: 10/24/2024 17:43

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700015

Results by **SW6020B**

Blank Spike (mg/kg)

Parameter	Spike	Result	Rec (%)	CL
Arsenic	50	47.3	95	(82-118)
Barium	50	48.7	97	(86-116)
Cadmium	5	4.99	100	(84-116)
Chromium	20	20.5	102	(83-119)
Lead	50	52.0	104	(84-118)
Mercury	0.5	0.498	100	(74-126)
Selenium	50	49.1	98	(80-119)
Silver	5	5.18	104	(83-118)

Batch Information

Analytical Batch: **MMS12461**
Analytical Method: **SW6020B**
Instrument: **P7 Agilent 7800**
Analyst: **HGS**

Prep Batch: **MXX37198**
Prep Method: **SW3050B**
Prep Date/Time: **10/24/2024 13:21**
Spike Init Wt./Vol.: 50 mg/kg Extract Vol: 50 mL
Dupe Init Wt./Vol.: Extract Vol:

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Matrix Spike Summary

Original Sample ID: 1797074
MS Sample ID: 1797075 MS
MSD Sample ID: 1797076 MSD

QC for Samples: 1245700015

Analysis Date: 10/24/2024 17:48
Analysis Date: 10/24/2024 17:50
Analysis Date: 10/24/2024 17:53
Matrix: Soil/Solid (dry weight)

Results by **SW6020B**

		Matrix Spike (mg/kg)				Spike Duplicate (mg/kg)					
Parameter	Sample	Spike	Result	Rec (%)		Spike	Result	Rec (%)		CL	RPD (%)		RPD CL
Arsenic	8.20	47.9	39.6	66	*	48.6	54.3	95		82-118	31.20	*	(< 20)
Barium	86.2	47.9	99.2	27	*	48.6	144	118	*	86-116	36.60	*	(< 20)
Cadmium	0.208	4.79	3.44	68	*	4.86	4.95	98		84-116	35.80	*	(< 20)
Chromium	16.6	19.2	28	60	*	19.4	38.3	112		83-119	30.90	*	(< 20)
Lead	6.22	47.9	39.3	69	*	48.6	53.8	98		84-118	31.20	*	(< 20)
Selenium	1.48U	47.9	33.7	70	*	48.6	45.7	94		80-119	30.20	*	(< 20)
Silver	0.369U	4.79	3.42	71	*	4.86	4.82	99		83-118	34.10	*	(< 20)

Batch Information

Analytical Batch: MMS12461
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS
Analytical Date/Time: 10/24/2024 5:50:00PM

Prep Batch: MXX37198
Prep Method: Soils/Solids Digest for Metals by ICP-MS
Prep Date/Time: 10/24/2024 1:21:00PM
Prep Initial Wt./Vol.: 1.04g
Prep Extract Vol: 50.00mL

Print Date: 11/18/2024 10:41:37AM

Bench Spike Summary

Original Sample ID: 1797074
MS Sample ID: 1797077 BND
MSD Sample ID:

QC for Samples: 1245700015

Analysis Date: 10/24/2024 17:48
Analysis Date: 10/24/2024 17:55
Analysis Date:
Matrix: Soil/Solid (dry weight)

Results by **SW6020B**

		Matrix Spike (mg/kg)			Spike Duplicate (mg/kg)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Arsenic	8.20	12.3	19.5	92				75-125		
Barium	86.2	246	321	96				75-125		
Cadmium	0.208	123	115	93				75-125		
Chromium	16.6	123	134	96				75-125		
Lead	6.22	123	123	95				75-125		
Selenium	1.48U	12.3	12.2	99				75-125		
Silver	0.369U	2.46	2.41	98				75-125		

Batch Information

Analytical Batch: MMS12461
Analytical Method: SW6020B
Instrument: P7 Agilent 7800
Analyst: HGS
Analytical Date/Time: 10/24/2024 5:55:00PM

Prep Batch: MXX37198
Prep Method: Soils/Solids Digest for Metals by ICP-MS
Prep Date/Time: 10/24/2024 1:21:00PM
Prep Initial Wt./Vol.: 1.02g
Prep Extract Vol: 50.00mL

Method Blank

Blank ID: MB for HBN 1901087 [SPT/12164]
Blank Lab ID: 1792802

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SM21 2540G**

Parameter	Results	LOQ/CL	DL	LOD	Units
Total Solids	100				%

Batch Information

Analytical Batch: SPT12164
Analytical Method: SM21 2540G
Instrument:
Analyst: SDP
Analytical Date/Time: 10/4/2024 8:40:00PM

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Duplicate Sample Summary

Original Sample ID: 1245686001
Duplicate Sample ID: 1792803

Analysis Date: 10/04/2024 20:40
Matrix: Soil/Solid (dry weight)

QC for Samples:

1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011

Results by **SM21 2540G**

NAME	Original	Duplicate	Units	RPD (%)	RPD CL
Total Solids	80.8	79.3	%	1.80	(< 15)

Batch Information

Analytical Batch: SPT12164
Analytical Method: SM21 2540G
Instrument:
Analyst: SDP

Print Date: 11/18/2024 10:41:40AM

Duplicate Sample Summary

Original Sample ID: 1245700011
Duplicate Sample ID: 1792804

Analysis Date: 10/04/2024 20:40
Matrix: Soil/Solid (dry weight)

QC for Samples:

1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014, 1245700016, 1245700017,

Results by **SM21 2540G**

NAME	Original	Duplicate	Units	RPD (%)	RPD CL
Total Solids	85.8	86.1	%	0.40	(< 15)

Batch Information

Analytical Batch: SPT12164
Analytical Method: SM21 2540G
Instrument:
Analyst: SDP

Print Date: 11/18/2024 10:41:40AM

Duplicate Sample Summary

Original Sample ID: 1245796005
Duplicate Sample ID: 1792805

Analysis Date: 10/04/2024 20:40
Matrix: Soil/Solid (dry weight)

QC for Samples:

1245700012, 1245700013, 1245700014, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SM21 2540G**

NAME	Original	Duplicate	Units	RPD (%)	RPD CL
Total Solids	73.0	73.1	%	0.14	(< 15)

Batch Information

Analytical Batch: SPT12164
Analytical Method: SM21 2540G
Instrument:
Analyst: SDP

Print Date: 11/18/2024 10:41:40AM

Method Blank

Blank ID: MB for HBN 1902221 [SPT/12176]
Blank Lab ID: 1796686

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700015

Results by **SM21 2540G**

Parameter	Results	LOQ/CL	DL	LOD	Units
Total Solids	100				%

Batch Information

Analytical Batch: SPT12176
Analytical Method: SM21 2540G
Instrument:
Analyst: DJW
Analytical Date/Time: 10/21/2024 2:25:00PM

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Duplicate Sample Summary

Original Sample ID: 1246067001
Duplicate Sample ID: 1796687
QC for Samples:
1245700015

Analysis Date: 10/21/2024 14:25
Matrix: Soil/Solid (dry weight)

Results by **SM21 2540G**

NAME	Original	Duplicate	Units	RPD (%)	RPD CL
Total Solids	92.7	94.0	%	1.40	(< 15)

Batch Information

Analytical Batch: SPT12176
Analytical Method: SM21 2540G
Instrument:
Analyst: DJW

Print Date: 11/18/2024 10:41:45AM

Method Blank

Blank ID: MB for HBN 1901421 [VXX/42053]
Blank Lab ID: 1794025

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700010, 1245700011, 1245700012, 1245700013, 1245700014

Results by **AK101**

Parameter	Results	LOQ/CL	DL	LOD	Units
Gasoline Range Organics	1.88U	2.50	0.750	1.88	mg/kg
Surrogates					
4-Bromofluorobenzene (surr)	89.7	50-150		0	%

Batch Information

Analytical Batch: VFC17026
Analytical Method: AK101
Instrument: Agilent 7890A PID/FID
Analyst: T.L
Analytical Date/Time: 10/10/2024 6:06:00AM

Prep Batch: VXX42053
Prep Method: SW5035A
Prep Date/Time: 10/9/2024 6:00:00AM
Prep Initial Wt./Vol.: 50 g
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42053]
Blank Spike Lab ID: 1794028
Date Analyzed: 10/10/2024 05:29

Spike Duplicate ID: LCSD for HBN 1245700 [VXX42053]
Spike Duplicate Lab ID: 1794029
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700010, 1245700011, 1245700012, 1245700013, 1245700014

Results by **AK101**

	Blank Spike (mg/kg)			Spike Duplicate (mg/kg)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Gasoline Range Organics	12.5	12.5	100	12.5	13.4	107	(60-120)	7.10	(< 20)
Surrogates									
4-Bromofluorobenzene (surr)	1.25		94	1.25		95	(50-150)	1.20	

Batch Information

Analytical Batch: **VFC17026**
Analytical Method: **AK101**
Instrument: **Agilent 7890A PID/FID**
Analyst: **T.L**

Prep Batch: **VXX42053**
Prep Method: **SW5035A**
Prep Date/Time: **10/09/2024 06:00**
Spike Init Wt./Vol.: 1.25 mg/kg Extract Vol: 25 mL
Dupe Init Wt./Vol.: 1.25 mg/kg Extract Vol: 25 mL

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Method Blank

Blank ID: MB for HBN 1901428 [VXX/42054]
Blank Lab ID: 1794041

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700001, 1245700002

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
1,1,1,2-Tetrachloroethane	15.0U	20.0	6.20	15.0	ug/kg
1,1,1-Trichloroethane	18.8U	25.0	7.80	18.8	ug/kg
1,1,2,2-Tetrachloroethane	1.50U	2.00	0.620	1.50	ug/kg
1,1,2-Trichloroethane	0.750U	1.00	0.500	0.750	ug/kg
1,1-Dichloroethane	18.8U	25.0	7.80	18.8	ug/kg
1,1-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
1,1-Dichloropropene	18.8U	25.0	7.80	18.8	ug/kg
1,2,3-Trichlorobenzene	75.0U	100	30.0	75.0	ug/kg
1,2,3-Trichloropropane	1.50U	2.00	0.620	1.50	ug/kg
1,2,4-Trichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,2,4-Trimethylbenzene	75.0U	100	30.0	75.0	ug/kg
1,2-Dibromo-3-chloropropane	75.0U	100	31.0	75.0	ug/kg
1,2-Dibromoethane	1.13U	1.50	0.750	1.13	ug/kg
1,2-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,2-Dichloroethane	1.50U	2.00	0.700	1.50	ug/kg
1,2-Dichloropropane	7.50U	10.0	5.00	7.50	ug/kg
1,3,5-Trimethylbenzene	18.8U	25.0	7.80	18.8	ug/kg
1,3-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,3-Dichloropropane	7.50U	10.0	3.10	7.50	ug/kg
1,4-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
2,2-Dichloropropane	18.8U	25.0	7.80	18.8	ug/kg
2-Butanone (MEK)	188U	250	78.0	188	ug/kg
2-Chlorotoluene	18.8U	25.0	7.80	18.8	ug/kg
2-Hexanone	90.0U	120	60.0	90.0	ug/kg
4-Chlorotoluene	15.0U	20.0	10.0	15.0	ug/kg
4-Isopropyltoluene	60.0U	80.0	40.0	60.0	ug/kg
4-Methyl-2-pentanone (MIBK)	188U	250	78.0	188	ug/kg
Acetone	188U	250	110	188	ug/kg
Benzene	9.38U	12.5	3.90	9.38	ug/kg
Bromobenzene	18.8U	25.0	7.80	18.8	ug/kg
Bromochloromethane	18.8U	25.0	7.80	18.8	ug/kg
Bromodichloromethane	1.50U	2.00	0.620	1.50	ug/kg
Bromoform	18.8U	25.0	7.80	18.8	ug/kg
Bromomethane	15.0U	20.0	8.00	15.0	ug/kg
Carbon disulfide	75.0U	100	31.0	75.0	ug/kg
Carbon tetrachloride	9.38U	12.5	3.90	9.38	ug/kg
Chlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
Chloroethane	150U	200	62.0	150	ug/kg
Chloroform	4.50U	6.00	3.00	4.50	ug/kg
Chloromethane	18.8U	25.0	7.80	18.8	ug/kg
cis-1,2-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
cis-1,3-Dichloropropene	9.38U	12.5	3.90	9.38	ug/kg

Method Blank

Blank ID: MB for HBN 1901428 [VXX/42054]
Blank Lab ID: 1794041

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700001, 1245700002

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
Dibromochloromethane	3.75U	5.00	1.50	3.75	ug/kg
Dibromomethane	18.8U	25.0	7.80	18.8	ug/kg
Dichlorodifluoromethane	75.0U	100	30.0	75.0	ug/kg
Ethylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Freon-113	75.0U	100	31.0	75.0	ug/kg
Hexachlorobutadiene	15.0U	20.0	6.20	15.0	ug/kg
Isopropylbenzene (Cumene)	18.8U	25.0	7.80	18.8	ug/kg
Methylene chloride	75.0U	100	31.0	75.0	ug/kg
Methyl-t-butyl ether	75.0U	100	31.0	75.0	ug/kg
Naphthalene	18.8U	25.0	7.80	18.8	ug/kg
n-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
n-Propylbenzene	18.8U	25.0	7.80	18.8	ug/kg
o-Xylene	18.8U	25.0	7.80	18.8	ug/kg
P & M -Xylene	37.5U	50.0	15.0	37.5	ug/kg
sec-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Styrene	18.8U	25.0	7.80	18.8	ug/kg
tert-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Tetrachloroethene	9.38U	12.5	3.90	9.38	ug/kg
Toluene	18.8U	25.0	7.80	18.8	ug/kg
trans-1,2-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
trans-1,3-Dichloropropene	9.38U	12.5	3.90	9.38	ug/kg
Trichloroethene	7.50U	10.0	3.20	7.50	ug/kg
Trichlorofluoromethane	37.5U	50.0	15.0	37.5	ug/kg
Vinyl acetate	75.0U	100	31.0	75.0	ug/kg
Vinyl chloride	0.600U	0.800	0.250	0.600	ug/kg
Xylenes (total)	56.3U	75.0	22.8	56.3	ug/kg
Surrogates					
1,2-Dichloroethane-D4 (surr)	107	71-136		0	%
4-Bromofluorobenzene (surr)	90.2	55-151		0	%
Toluene-d8 (surr)	99.4	85-116		0	%

Batch Information

Analytical Batch: VMS23771
Analytical Method: SW8260D
Instrument: VQA 7890/5975 GC/MS
Analyst: EJB
Analytical Date/Time: 10/9/2024 10:35:00AM

Prep Batch: VXX42054
Prep Method: SW5035A
Prep Date/Time: 10/9/2024 6:00:00AM
Prep Initial Wt./Vol.: 50 g
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42054]
Blank Spike Lab ID: 1794042
Date Analyzed: 10/09/2024 10:51

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002

Results by **SW8260D**

	Blank Spike (ug/kg)			
Parameter	Spike	Result	Rec (%)	CL
1,1,1,2-Tetrachloroethane	750	724	97	(78-125)
1,1,1-Trichloroethane	750	690	92	(73-130)
1,1,2,2-Tetrachloroethane	750	695	93	(70-124)
1,1,2-Trichloroethane	750	785	105	(78-121)
1,1-Dichloroethane	750	658	88	(76-125)
1,1-Dichloroethene	750	661	88	(70-131)
1,1-Dichloropropene	750	717	96	(76-125)
1,2,3-Trichlorobenzene	750	721	96	(66-130)
1,2,3-Trichloropropane	750	698	93	(73-125)
1,2,4-Trichlorobenzene	750	725	97	(67-129)
1,2,4-Trimethylbenzene	750	709	95	(75-123)
1,2-Dibromo-3-chloropropane	750	749	100	(61-132)
1,2-Dibromoethane	750	724	97	(78-122)
1,2-Dichlorobenzene	750	694	93	(78-121)
1,2-Dichloroethane	750	656	88	(73-128)
1,2-Dichloropropane	750	721	96	(76-123)
1,3,5-Trimethylbenzene	750	688	92	(73-124)
1,3-Dichlorobenzene	750	690	92	(77-121)
1,3-Dichloropropane	750	769	103	(77-121)
1,4-Dichlorobenzene	750	691	92	(75-120)
2,2-Dichloropropane	750	694	93	(67-133)
2-Butanone (MEK)	2250	2240	99	(51-148)
2-Chlorotoluene	750	695	93	(75-122)
2-Hexanone	2250	2330	104	(53-145)
4-Chlorotoluene	750	690	92	(72-124)
4-Isopropyltoluene	750	690	92	(73-127)
4-Methyl-2-pentanone (MIBK)	2250	2160	96	(65-135)
Acetone	2250	2060	92	(36-164)
Benzene	750	697	93	(77-121)
Bromobenzene	750	708	94	(78-121)
Bromochloromethane	750	646	86	(78-125)
Bromodichloromethane	750	688	92	(75-127)
Bromoform	750	747	100	(67-132)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42054]
Blank Spike Lab ID: 1794042
Date Analyzed: 10/09/2024 10:51

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002

Results by **SW8260D**

Blank Spike (ug/kg)

Parameter	Spike	Result	Rec (%)	CL
Bromomethane	750	686	92	(53-143)
Carbon disulfide	1130	965	86	(63-132)
Carbon tetrachloride	750	715	95	(70-135)
Chlorobenzene	750	699	93	(79-120)
Chloroethane	750	689	92	(59-139)
Chloroform	750	682	91	(78-123)
Chloromethane	750	671	89	(50-136)
cis-1,2-Dichloroethene	750	677	90	(77-123)
cis-1,3-Dichloropropene	750	758	101	(74-126)
Dibromochloromethane	750	768	102	(74-126)
Dibromomethane	750	686	92	(78-125)
Dichlorodifluoromethane	750	665	89	(29-149)
Ethylbenzene	750	705	94	(76-122)
Freon-113	1130	1020	91	(66-136)
Hexachlorobutadiene	750	684	91	(61-135)
Isopropylbenzene (Cumene)	750	704	94	(68-134)
Methylene chloride	750	701	94	(70-128)
Methyl-t-butyl ether	1130	1110	99	(73-125)
Naphthalene	750	823	110	(62-129)
n-Butylbenzene	750	690	92	(70-128)
n-Propylbenzene	750	693	92	(73-125)
o-Xylene	750	714	95	(77-123)
P & M -Xylene	1500	1410	94	(77-124)
sec-Butylbenzene	750	676	90	(73-126)
Styrene	750	737	98	(76-124)
tert-Butylbenzene	750	686	92	(73-125)
Tetrachloroethene	750	725	97	(73-128)
Toluene	750	684	91	(77-121)
trans-1,2-Dichloroethene	750	677	90	(74-125)
trans-1,3-Dichloropropene	750	724	97	(71-130)
Trichloroethene	750	727	97	(77-123)
Trichlorofluoromethane	750	660	88	(62-140)
Vinyl acetate	750	761	101	(50-151)

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42054]
Blank Spike Lab ID: 1794042
Date Analyzed: 10/09/2024 10:51

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002

Results by **SW8260D**

Blank Spike (ug/kg)

Parameter	Spike	Result	Rec (%)	CL
Vinyl chloride	750	640	85	(56-135)
Xylenes (total)	2250	2120	94	(78-124)
Surrogates				
1,2-Dichloroethane-D4 (surr)	750		95	(71-136)
4-Bromofluorobenzene (surr)	750		93	(55-151)
Toluene-d8 (surr)	750		100	(85-116)

Batch Information

Analytical Batch: **VMS23771**
Analytical Method: **SW8260D**
Instrument: **VQA 7890/5975 GC/MS**
Analyst: **EJB**

Prep Batch: **VXX42054**
Prep Method: **SW5035A**
Prep Date/Time: **10/09/2024 06:00**
Spike Init Wt./Vol.: 750 ug/kg Extract Vol: 25 mL
Dupe Init Wt./Vol.: Extract Vol:

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Matrix Spike Summary

Original Sample ID: 1794046
MS Sample ID: 1794047 MS
MSD Sample ID: 1794048 MSD

Analysis Date: 10/09/2024 13:43
Analysis Date: 10/09/2024 12:08
Analysis Date: 10/09/2024 12:24
Matrix: Solid/Soil (Wet Weight)

QC for Samples: 1245700001, 1245700002

Results by **SW8260D**

		Matrix Spike (ug/kg)			Spike Duplicate (ug/kg)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1,1,1,2-Tetrachloroethane	15.0U	749	737	98	749	728	97	78-125	1.10	(< 20)
1,1,1-Trichloroethane	18.8U	749	693	93	749	684	91	73-130	1.30	(< 20)
1,1,2,2-Tetrachloroethane	1.50U	749	690	92	749	676	90	70-124	2.00	(< 20)
1,1,2-Trichloroethane	0.749U	749	807	108	749	805	107	78-121	0.28	(< 20)
1,1-Dichloroethane	18.8U	749	664	89	749	654	87	76-125	1.50	(< 20)
1,1-Dichloroethene	18.8U	749	659	88	749	653	87	70-131	0.86	(< 20)
1,1-Dichloropropene	18.8U	749	702	94	749	693	93	76-125	1.30	(< 20)
1,2,3-Trichlorobenzene	74.9U	749	832	111	749	890	119	66-130	6.80	(< 20)
1,2,3-Trichloropropane	1.50U	749	665	89	749	657	88	73-125	1.30	(< 20)
1,2,4-Trichlorobenzene	18.8U	749	843	113	749	892	119	67-129	5.60	(< 20)
1,2,4-Trimethylbenzene	74.9U	749	678	91	749	664	89	75-123	2.00	(< 20)
1,2-Dibromo-3-chloropropane	74.9U	749	756	101	749	766	102	61-132	1.40	(< 20)
1,2-Dibromoethane	1.13U	749	729	97	749	719	96	78-122	1.30	(< 20)
1,2-Dichlorobenzene	18.8U	749	704	94	749	702	94	78-121	0.18	(< 20)
1,2-Dichloroethane	1.50U	749	658	88	749	653	87	73-128	0.76	(< 20)
1,2-Dichloropropane	7.49U	749	732	98	749	726	97	76-123	0.77	(< 20)
1,3,5-Trimethylbenzene	18.8U	749	658	88	749	653	87	73-124	0.78	(< 20)
1,3-Dichlorobenzene	18.8U	749	698	93	749	685	92	77-121	1.80	(< 20)
1,3-Dichloropropane	7.49U	749	761	102	749	762	102	77-121	0.08	(< 20)
1,4-Dichlorobenzene	18.8U	749	699	93	749	690	92	75-120	1.20	(< 20)
2,2-Dichloropropane	18.8U	749	693	93	749	681	91	67-133	1.80	(< 20)
2-Butanone (MEK)	188U	2250	2210	98	2250	2230	100	51-148	1.10	(< 20)
2-Chlorotoluene	18.8U	749	661	88	749	648	87	75-122	2.00	(< 20)
2-Hexanone	90.0U	2250	2370	106	2250	2390	106	53-145	0.81	(< 20)
4-Chlorotoluene	15.0U	749	668	89	749	652	87	72-124	2.40	(< 20)
4-Isopropyltoluene	59.9U	749	655	88	749	651	87	73-127	0.63	(< 20)
4-Methyl-2-pentanone (MIBK)	188U	2250	2190	97	2250	2190	97	65-135	0.06	(< 20)
Acetone	188U	2250	2000	89	2250	2080	92	36-164	3.80	(< 20)
Benzene	9.38U	749	702	94	749	700	94	77-121	0.23	(< 20)
Bromobenzene	18.8U	749	662	88	749	646	86	78-121	2.50	(< 20)
Bromochloromethane	18.8U	749	645	86	749	633	85	78-125	1.90	(< 20)
Bromodichloromethane	1.50U	749	698	93	749	691	92	75-127	0.90	(< 20)
Bromoform	18.8U	749	784	105	749	773	103	67-132	1.30	(< 20)
Bromomethane	15.0U	749	724	97	749	706	94	53-143	2.50	(< 20)
Carbon disulfide	74.9U	1120	943	84	1120	932	83	63-132	1.20	(< 20)
Carbon tetrachloride	9.38U	749	722	97	749	715	95	70-135	1.10	(< 20)
Chlorobenzene	18.8U	749	723	97	749	714	95	79-120	1.30	(< 20)

Print Date: 11/18/2024 10:42:01AM

Matrix Spike Summary

Original Sample ID: 1794046
MS Sample ID: 1794047 MS
MSD Sample ID: 1794048 MSD

Analysis Date: 10/09/2024 13:43
Analysis Date: 10/09/2024 12:08
Analysis Date: 10/09/2024 12:24
Matrix: Solid/Soil (Wet Weight)

QC for Samples: 1245700001, 1245700002

Results by **SW8260D**

		Matrix Spike (ug/kg)				Spike Duplicate (ug/kg)					
Parameter	Sample	Spike	Result	Rec (%)		Spike	Result	Rec (%)		CL	RPD (%)	RPD CL
Chloroethane	150U	749	700	94		749	675	90		59-139	3.60	(< 20)
Chloroform	4.49U	749	695	93		749	684	91		78-123	1.60	(< 20)
Chloromethane	18.8U	749	654	87		749	642	86		50-136	1.80	(< 20)
cis-1,2-Dichloroethene	18.8U	749	662	88		749	654	87		77-123	1.30	(< 20)
cis-1,3-Dichloropropene	9.38U	749	767	102		749	764	102		74-126	0.40	(< 20)
Dibromochloromethane	3.74U	749	790	106		749	780	104		74-126	1.30	(< 20)
Dibromomethane	18.8U	749	666	89		749	660	88		78-125	0.84	(< 20)
Dichlorodifluoromethane	74.9U	749	592	79		749	578	77		29-149	2.50	(< 20)
Ethylbenzene	18.8U	749	707	94		749	683	91		76-122	3.40	(< 20)
Freon-113	74.9U	1120	1000	89		1120	989	88		66-136	1.10	(< 20)
Hexachlorobutadiene	15.0U	749	774	103		749	781	104		61-135	0.92	(< 20)
Isopropylbenzene (Cumene)	18.8U	749	681	91		749	668	89		68-134	1.90	(< 20)
Methylene chloride	74.9U	749	723	97		749	718	96		70-128	0.78	(< 20)
Methyl-t-butyl ether	74.9U	1120	1050	93		1120	1060	94		73-125	0.65	(< 20)
Naphthalene	18.8U	749	891	119		749	944	126		62-129	5.80	(< 20)
n-Butylbenzene	18.8U	749	661	88		749	649	87		70-128	1.90	(< 20)
n-Propylbenzene	18.8U	749	649	87		749	643	86		73-125	0.92	(< 20)
o-Xylene	18.8U	749	693	93		749	690	92		77-123	0.41	(< 20)
P & M -Xylene	37.4U	1500	1400	94		1500	1390	93		77-124	0.77	(< 20)
sec-Butylbenzene	18.8U	749	635	85		749	627	84		73-126	1.40	(< 20)
Styrene	18.8U	749	728	97		749	727	97		76-124	0.16	(< 20)
tert-Butylbenzene	18.8U	749	646	86		749	634	85		73-125	1.90	(< 20)
Tetrachloroethene	9.38U	749	745	100		749	732	98		73-128	1.80	(< 20)
Toluene	18.8U	749	699	93		749	693	93		77-121	0.89	(< 20)
trans-1,2-Dichloroethene	18.8U	749	699	93		749	689	92		74-125	1.40	(< 20)
trans-1,3-Dichloropropene	9.38U	749	740	99		749	733	98		71-130	0.98	(< 20)
Trichloroethene	7.49U	749	734	98		749	729	97		77-123	0.72	(< 20)
Trichlorofluoromethane	37.4U	749	720	96		749	675	90		62-140	6.50	(< 20)
Vinyl acetate	74.9U	749	766	102		749	767	102		50-151	0.02	(< 20)
Vinyl chloride	0.599U	749	623	83		749	609	81		56-135	2.30	(< 20)
Xylenes (total)	56.2U	2250	2090	93		2250	2080	93		78-124	0.65	(< 20)
Surrogates												
1,2-Dichloroethane-D4 (surr)		749	696	93		749	697	93		71-136	0.16	
4-Bromofluorobenzene (surr)		1250	667	53	*	1250	654	52	*	55-151	1.90	
Toluene-d8 (surr)		749	752	100		749	749	100		85-116	0.42	

Print Date: 11/18/2024 10:42:01AM

Matrix Spike Summary

Original Sample ID: 1794046
MS Sample ID: 1794047 MS
MSD Sample ID: 1794048 MSD

QC for Samples: 1245700001, 1245700002

Analysis Date:
Analysis Date: 10/09/2024 12:08
Analysis Date: 10/09/2024 12:24
Matrix: Solid/Soil (Wet Weight)

Results by **SW8260D**

		Matrix Spike (%)			Spike Duplicate (%)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL

Batch Information

Analytical Batch: VMS23771
Analytical Method: SW8260D
Instrument: VQA 7890/5975 GC/MS
Analyst: EJB
Analytical Date/Time: 10/9/2024 12:08:00PM

Prep Batch: VXX42054
Prep Method: Vol. Extraction SW8260 Field Extracted L
Prep Date/Time: 10/9/2024 6:00:00AM
Prep Initial Wt./Vol.: 50.07g
Prep Extract Vol: 25.00mL

Print Date: 11/18/2024 10:42:01AM

Method Blank

Blank ID: MB for HBN 1901439 [VXX/42057]
Blank Lab ID: 1794120

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
1,1,1,2-Tetrachloroethane	15.0U	20.0	6.20	15.0	ug/kg
1,1,1-Trichloroethane	18.8U	25.0	7.80	18.8	ug/kg
1,1,2,2-Tetrachloroethane	1.50U	2.00	0.620	1.50	ug/kg
1,1,2-Trichloroethane	0.750U	1.00	0.500	0.750	ug/kg
1,1-Dichloroethane	18.8U	25.0	7.80	18.8	ug/kg
1,1-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
1,1-Dichloropropene	18.8U	25.0	7.80	18.8	ug/kg
1,2,3-Trichlorobenzene	75.0U	100	30.0	75.0	ug/kg
1,2,3-Trichloropropane	1.50U	2.00	0.620	1.50	ug/kg
1,2,4-Trichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,2,4-Trimethylbenzene	75.0U	100	30.0	75.0	ug/kg
1,2-Dibromo-3-chloropropane	75.0U	100	31.0	75.0	ug/kg
1,2-Dibromoethane	1.13U	1.50	0.750	1.13	ug/kg
1,2-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,2-Dichloroethane	1.50U	2.00	0.700	1.50	ug/kg
1,2-Dichloropropane	7.50U	10.0	5.00	7.50	ug/kg
1,3,5-Trimethylbenzene	18.8U	25.0	7.80	18.8	ug/kg
1,3-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,3-Dichloropropane	7.50U	10.0	3.10	7.50	ug/kg
1,4-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
2,2-Dichloropropane	18.8U	25.0	7.80	18.8	ug/kg
2-Butanone (MEK)	188U	250	78.0	188	ug/kg
2-Chlorotoluene	18.8U	25.0	7.80	18.8	ug/kg
2-Hexanone	90.0U	120	60.0	90.0	ug/kg
4-Chlorotoluene	15.0U	20.0	10.0	15.0	ug/kg
4-Isopropyltoluene	60.0U	80.0	40.0	60.0	ug/kg
4-Methyl-2-pentanone (MIBK)	188U	250	78.0	188	ug/kg
Acetone	188U	250	110	188	ug/kg
Benzene	9.38U	12.5	3.90	9.38	ug/kg
Bromobenzene	18.8U	25.0	7.80	18.8	ug/kg
Bromochloromethane	18.8U	25.0	7.80	18.8	ug/kg
Bromodichloromethane	1.50U	2.00	0.620	1.50	ug/kg
Bromoform	18.8U	25.0	7.80	18.8	ug/kg
Bromomethane	15.0U	20.0	8.00	15.0	ug/kg
Carbon disulfide	75.0U	100	31.0	75.0	ug/kg
Carbon tetrachloride	9.38U	12.5	3.90	9.38	ug/kg
Chlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
Chloroethane	150U	200	62.0	150	ug/kg
Chloroform	4.50U	6.00	3.00	4.50	ug/kg
Chloromethane	18.8U	25.0	7.80	18.8	ug/kg
cis-1,2-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
cis-1,3-Dichloropropene	9.38U	12.5	3.90	9.38	ug/kg

Method Blank

Blank ID: MB for HBN 1901439 [VXX/42057]
Blank Lab ID: 1794120

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
Dibromochloromethane	3.75U	5.00	1.50	3.75	ug/kg
Dibromomethane	18.8U	25.0	7.80	18.8	ug/kg
Dichlorodifluoromethane	75.0U	100	30.0	75.0	ug/kg
Ethylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Freon-113	75.0U	100	31.0	75.0	ug/kg
Hexachlorobutadiene	15.0U	20.0	6.20	15.0	ug/kg
Isopropylbenzene (Cumene)	18.8U	25.0	7.80	18.8	ug/kg
Methylene chloride	75.0U	100	31.0	75.0	ug/kg
Methyl-t-butyl ether	75.0U	100	31.0	75.0	ug/kg
Naphthalene	18.8U	25.0	7.80	18.8	ug/kg
n-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
n-Propylbenzene	18.8U	25.0	7.80	18.8	ug/kg
o-Xylene	18.8U	25.0	7.80	18.8	ug/kg
P & M -Xylene	37.5U	50.0	15.0	37.5	ug/kg
sec-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Styrene	18.8U	25.0	7.80	18.8	ug/kg
tert-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Tetrachloroethene	9.38U	12.5	3.90	9.38	ug/kg
Toluene	18.8U	25.0	7.80	18.8	ug/kg
trans-1,2-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
trans-1,3-Dichloropropene	9.38U	12.5	3.90	9.38	ug/kg
Trichloroethene	7.50U	10.0	3.20	7.50	ug/kg
Trichlorofluoromethane	37.5U	50.0	15.0	37.5	ug/kg
Vinyl acetate	75.0U	100	31.0	75.0	ug/kg
Vinyl chloride	0.600U	0.800	0.250	0.600	ug/kg
Xylenes (total)	56.3U	75.0	22.8	56.3	ug/kg
Surrogates					
1,2-Dichloroethane-D4 (surr)	102	71-136		0	%
4-Bromofluorobenzene (surr)	98.6	55-151		0	%
Toluene-d8 (surr)	101	85-116		0	%

Batch Information

Analytical Batch: VMS23784
Analytical Method: SW8260D
Instrument: VRA Agilent GC/MS 7890B/5977A
Analyst: EJB
Analytical Date/Time: 10/9/2024 10:57:00AM

Prep Batch: VXX42057
Prep Method: SW5035A
Prep Date/Time: 10/9/2024 6:00:00AM
Prep Initial Wt./Vol.: 50 g
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42057]
Blank Spike Lab ID: 1794121
Date Analyzed: 10/09/2024 12:43

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008

Results by **SW8260D**

	Blank Spike (ug/kg)			
Parameter	Spike	Result	Rec (%)	CL
1,1,1,2-Tetrachloroethane	750	778	104	(78-125)
1,1,1-Trichloroethane	750	770	103	(73-130)
1,1,2,2-Tetrachloroethane	750	775	103	(70-124)
1,1,2-Trichloroethane	750	730	97	(78-121)
1,1-Dichloroethane	750	741	99	(76-125)
1,1-Dichloroethene	750	902	120	(70-131)
1,1-Dichloropropene	750	761	101	(76-125)
1,2,3-Trichlorobenzene	750	806	108	(66-130)
1,2,3-Trichloropropane	750	747	100	(73-125)
1,2,4-Trichlorobenzene	750	818	109	(67-129)
1,2,4-Trimethylbenzene	750	786	105	(75-123)
1,2-Dibromo-3-chloropropane	750	816	109	(61-132)
1,2-Dibromoethane	750	740	99	(78-122)
1,2-Dichlorobenzene	750	771	103	(78-121)
1,2-Dichloroethane	750	729	97	(73-128)
1,2-Dichloropropane	750	762	102	(76-123)
1,3,5-Trimethylbenzene	750	792	106	(73-124)
1,3-Dichlorobenzene	750	788	105	(77-121)
1,3-Dichloropropane	750	766	102	(77-121)
1,4-Dichlorobenzene	750	765	102	(75-120)
2,2-Dichloropropane	750	794	106	(67-133)
2-Butanone (MEK)	2250	2380	106	(51-148)
2-Chlorotoluene	750	785	105	(75-122)
2-Hexanone	2250	2400	107	(53-145)
4-Chlorotoluene	750	783	104	(72-124)
4-Isopropyltoluene	750	815	109	(73-127)
4-Methyl-2-pentanone (MIBK)	2250	2310	102	(65-135)
Acetone	2250	2680	119	(36-164)
Benzene	750	746	100	(77-121)
Bromobenzene	750	797	106	(78-121)
Bromochloromethane	750	718	96	(78-125)
Bromodichloromethane	750	797	106	(75-127)
Bromoform	750	832	111	(67-132)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42057]
Blank Spike Lab ID: 1794121
Date Analyzed: 10/09/2024 12:43

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008

Results by **SW8260D**

	Blank Spike (ug/kg)			
Parameter	Spike	Result	Rec (%)	CL
Bromomethane	750	705	94	(53-143)
Carbon disulfide	1130	1400	125	(63-132)
Carbon tetrachloride	750	808	108	(70-135)
Chlorobenzene	750	769	103	(79-120)
Chloroethane	750	728	97	(59-139)
Chloroform	750	725	97	(78-123)
Chloromethane	750	733	98	(50-136)
cis-1,2-Dichloroethene	750	747	100	(77-123)
cis-1,3-Dichloropropene	750	816	109	(74-126)
Dibromochloromethane	750	834	111	(74-126)
Dibromomethane	750	776	103	(78-125)
Dichlorodifluoromethane	750	797	106	(29-149)
Ethylbenzene	750	762	102	(76-122)
Freon-113	1130	1350	120	(66-136)
Hexachlorobutadiene	750	872	116	(61-135)
Isopropylbenzene (Cumene)	750	779	104	(68-134)
Methylene chloride	750	750	100	(70-128)
Methyl-t-butyl ether	1130	1020	91	(73-125)
Naphthalene	750	717	96	(62-129)
n-Butylbenzene	750	828	110	(70-128)
n-Propylbenzene	750	814	109	(73-125)
o-Xylene	750	771	103	(77-123)
P & M -Xylene	1500	1520	101	(77-124)
sec-Butylbenzene	750	813	108	(73-126)
Styrene	750	765	102	(76-124)
tert-Butylbenzene	750	794	106	(73-125)
Tetrachloroethene	750	810	108	(73-128)
Toluene	750	755	101	(77-121)
trans-1,2-Dichloroethene	750	752	100	(74-125)
trans-1,3-Dichloropropene	750	814	109	(71-130)
Trichloroethene	750	759	101	(77-123)
Trichlorofluoromethane	750	774	103	(62-140)
Vinyl acetate	750	819	109	(50-151)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42057]
Blank Spike Lab ID: 1794121
Date Analyzed: 10/09/2024 12:43

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008

Results by **SW8260D**

	Blank Spike (ug/kg)			
Parameter	Spike	Result	Rec (%)	CL
Vinyl chloride	750	721	96	(56-135)
Xylenes (total)	2250	2290	102	(78-124)
Surrogates				
1,2-Dichloroethane-D4 (surr)	750		97	(71-136)
4-Bromofluorobenzene (surr)	750		100	(55-151)
Toluene-d8 (surr)	750		102	(85-116)

Batch Information

Analytical Batch: **VMS23784**
Analytical Method: **SW8260D**
Instrument: **VRA Agilent GC/MS 7890B/5977A**
Analyst: **EJB**

Prep Batch: **VXX42057**
Prep Method: **SW5035A**
Prep Date/Time: **10/09/2024 06:00**
Spike Init Wt./Vol.: 750 ug/kg Extract Vol: 25 mL
Dupe Init Wt./Vol.: Extract Vol:

Matrix Spike Summary

Original Sample ID: 1795092
MS Sample ID: 1795093 MS
MSD Sample ID: 1795094 MSD

Analysis Date: 10/09/2024 16:15
Analysis Date: 10/09/2024 13:32
Analysis Date: 10/09/2024 13:48
Matrix: Solid/Soil (Wet Weight)

QC for Samples: 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008

Results by **SW8260D**

		Matrix Spike (ug/kg)			Spike Duplicate (ug/kg)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1,1,1,2-Tetrachloroethane	34.3U	1710	1780	104	1710	1770	104	78-125	0.66	(< 20)
1,1,1-Trichloroethane	42.8U	1710	1830	107	1710	1830	107	73-130	0.01	(< 20)
1,1,2,2-Tetrachloroethane	3.43U	1710	2010	118	1710	2010	117	70-124	0.42	(< 20)
1,1,2-Trichloroethane	1.71U	1710	1710	100	1710	1690	99	78-121	1.20	(< 20)
1,1-Dichloroethane	42.8U	1710	1780	104	1710	1780	104	76-125	0.13	(< 20)
1,1-Dichloroethene	42.8U	1710	2130	125	1710	2140	125	70-131	0.29	(< 20)
1,1-Dichloropropene	42.8U	1710	1770	104	1710	1780	104	76-125	0.59	(< 20)
1,2,3-Trichlorobenzene	171U	1710	1970	115	1710	1970	115	66-130	0.27	(< 20)
1,2,3-Trichloropropane	3.43U	1710	1710	100	1710	1680	98	73-125	1.70	(< 20)
1,2,4-Trichlorobenzene	42.8U	1710	1920	113	1710	1940	114	67-129	0.89	(< 20)
1,2,4-Trimethylbenzene	171U	1710	1790	105	1710	1790	105	75-123	0.07	(< 20)
1,2-Dibromo-3-chloropropane	171U	1710	1880	110	1710	1870	109	61-132	0.70	(< 20)
1,2-Dibromoethane	2.57U	1710	1740	102	1710	1730	101	78-122	0.67	(< 20)
1,2-Dichlorobenzene	42.8U	1710	1770	103	1710	1770	104	78-121	0.43	(< 20)
1,2-Dichloroethane	3.43U	1710	1740	102	1710	1730	101	73-128	0.85	(< 20)
1,2-Dichloropropane	17.1U	1710	1830	107	1710	1830	107	76-123	0.26	(< 20)
1,3,5-Trimethylbenzene	20.6J	1710	1800	104	1710	1800	104	73-124	0.05	(< 20)
1,3-Dichlorobenzene	42.8U	1710	1790	105	1710	1780	104	77-121	0.25	(< 20)
1,3-Dichloropropane	17.1U	1710	1780	104	1710	1770	103	77-121	0.77	(< 20)
1,4-Dichlorobenzene	42.8U	1710	1750	102	1710	1760	103	75-120	0.61	(< 20)
2,2-Dichloropropane	42.8U	1710	1840	107	1710	1840	108	67-133	0.31	(< 20)
2-Butanone (MEK)	428U	5130	5800	113	5130	5740	112	51-148	1.10	(< 20)
2-Chlorotoluene	42.8U	1710	1770	103	1710	1770	104	75-122	0.21	(< 20)
2-Hexanone	206U	5130	5820	114	5130	5740	112	53-145	1.40	(< 20)
4-Chlorotoluene	34.3U	1710	1760	103	1710	1780	104	72-124	0.84	(< 20)
4-Isopropyltoluene	137U	1710	1870	109	1710	1850	108	73-127	1.00	(< 20)
4-Methyl-2-pentanone (MIBK)	428U	5130	5650	110	5130	5610	110	65-135	0.73	(< 20)
Acetone	428U	5130	7000	137	5130	6830	133	36-164	2.50	(< 20)
Benzene	21.4U	1710	1770	104	1710	1760	103	77-121	0.58	(< 20)
Bromobenzene	42.8U	1710	1770	103	1710	1780	104	78-121	0.81	(< 20)
Bromochloromethane	42.8U	1710	1670	98	1710	1650	97	78-125	1.00	(< 20)
Bromodichloromethane	3.43U	1710	1900	111	1710	1890	111	75-127	0.32	(< 20)
Bromoform	42.8U	1710	2000	117	1710	1920	112	67-132	3.90	(< 20)
Bromomethane	34.3U	1710	1750	102	1710	1770	104	53-143	1.20	(< 20)
Carbon disulfide	171U	2560	3290	128	2560	3340	130	63-132	1.60	(< 20)
Carbon tetrachloride	21.4U	1710	1920	112	1710	1930	113	70-135	0.52	(< 20)
Chlorobenzene	42.8U	1710	1810	106	1710	1800	106	79-120	0.38	(< 20)

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Matrix Spike Summary

Original Sample ID: 1795092
MS Sample ID: 1795093 MS
MSD Sample ID: 1795094 MSD

Analysis Date: 10/09/2024 16:15
Analysis Date: 10/09/2024 13:32
Analysis Date: 10/09/2024 13:48
Matrix: Solid/Soil (Wet Weight)

QC for Samples: 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008

Results by **SW8260D**

		Matrix Spike (ug/kg)				Spike Duplicate (ug/kg)					
Parameter	Sample	Spike	Result	Rec (%)		Spike	Result	Rec (%)		CL	RPD (%)	RPD CL
Chloroethane	343U	1710	1740	102		1710	1700	100		59-139	1.90	(< 20)
Chloroform	10.3U	1710	1740	102		1710	1740	102		78-123	0.15	(< 20)
Chloromethane	42.8U	1710	1710	100		1710	1690	99		50-136	0.94	(< 20)
cis-1,2-Dichloroethene	42.8U	1710	1700	100		1710	1740	102		77-123	2.20	(< 20)
cis-1,3-Dichloropropene	21.4U	1710	1950	114		1710	1940	114		74-126	0.23	(< 20)
Dibromochloromethane	8.55U	1710	1980	116		1710	1960	115		74-126	1.30	(< 20)
Dibromomethane	42.8U	1710	1800	105		1710	1790	104		78-125	0.81	(< 20)
Dichlorodifluoromethane	171U	1710	1840	108		1710	1780	104		29-149	3.20	(< 20)
Ethylbenzene	42.8U	1710	1760	103		1710	1740	102		76-122	1.20	(< 20)
Freon-113	171U	2560	3080	120		2560	3070	120		66-136	0.48	(< 20)
Hexachlorobutadiene	34.3U	1710	2640	155	*	1710	2560	150	*	61-135	3.00	(< 20)
Isopropylbenzene (Cumene)	42.8U	1710	1750	102		1710	1710	100		68-134	2.10	(< 20)
Methylene chloride	171U	1710	1840	108		1710	1810	106		70-128	1.90	(< 20)
Methyl-t-butyl ether	171U	2560	2570	100		2560	2580	101		73-125	0.19	(< 20)
Naphthalene	42.4J	1710	1760	100		1710	1790	102		62-129	2.10	(< 20)
n-Butylbenzene	42.8U	1710	1910	112		1710	1870	110		70-128	1.60	(< 20)
n-Propylbenzene	42.8U	1710	1830	107		1710	1840	108		73-125	0.83	(< 20)
o-Xylene	42.8U	1710	1780	104		1710	1750	102		77-123	1.70	(< 20)
P & M -Xylene	85.5U	3420	3490	102		3420	3490	102		77-124	0.14	(< 20)
sec-Butylbenzene	42.8U	1710	1820	107		1710	1800	105		73-126	1.10	(< 20)
Styrene	42.8U	1710	1730	101		1710	1740	102		76-124	0.55	(< 20)
tert-Butylbenzene	42.8U	1710	1810	106		1710	1820	106		73-125	0.33	(< 20)
Tetrachloroethene	21.4U	1710	1880	110		1710	1880	110		73-128	0.07	(< 20)
Toluene	42.8U	1710	1740	102		1710	1750	103		77-121	0.47	(< 20)
trans-1,2-Dichloroethene	42.8U	1710	1790	105		1710	1790	104		74-125	0.16	(< 20)
trans-1,3-Dichloropropene	21.4U	1710	1930	113		1710	1920	113		71-130	0.29	(< 20)
Trichloroethene	17.1U	1710	1800	105		1710	1810	106		77-123	0.39	(< 20)
Trichlorofluoromethane	85.5U	1710	1850	108		1710	1830	107		62-140	1.00	(< 20)
Vinyl acetate	171U	1710	2000	117		1710	1990	116		50-151	0.79	(< 20)
Vinyl chloride	1.37U	1710	1700	99		1710	1700	99		56-135	0.13	(< 20)
Xylenes (total)	128U	5130	5270	103		5130	5230	102		78-124	0.67	(< 20)
Surrogates												
1,2-Dichloroethane-D4 (surr)		1710	1710	100		1710	1700	99		71-136	0.44	
4-Bromofluorobenzene (surr)		2370	3250	137		2370	3280	138		55-151	1.10	
Toluene-d8 (surr)		1710	1750	102		1710	1740	102		85-116	0.54	

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Matrix Spike Summary

Original Sample ID: 1795092
MS Sample ID: 1795093 MS
MSD Sample ID: 1795094 MSD

Analysis Date:
Analysis Date: 10/09/2024 13:32
Analysis Date: 10/09/2024 13:48
Matrix: Solid/Soil (Wet Weight)

QC for Samples: 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008

Results by **SW8260D**

		Matrix Spike (%)			Spike Duplicate (%)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL

Batch Information

Analytical Batch: VMS23784
Analytical Method: SW8260D
Instrument: VRA Agilent GC/MS 7890B/5977A
Analyst: EJB
Analytical Date/Time: 10/9/2024 1:32:00PM

Prep Batch: VXX42057
Prep Method: Vol. Extraction SW8260 Field Extracted L
Prep Date/Time: 10/9/2024 6:00:00AM
Prep Initial Wt./Vol.: 26.34g
Prep Extract Vol: 30.07mL

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Method Blank

Blank ID: MB for HBN 1901707 [VXX/42071]
Blank Lab ID: 1794718

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700011, 1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
1,1,1,2-Tetrachloroethane	15.0U	20.0	6.20	15.0	ug/kg
1,1,1-Trichloroethane	18.8U	25.0	7.80	18.8	ug/kg
1,1,2,2-Tetrachloroethane	1.50U	2.00	0.620	1.50	ug/kg
1,1,2-Trichloroethane	0.750U	1.00	0.500	0.750	ug/kg
1,1-Dichloroethane	18.8U	25.0	7.80	18.8	ug/kg
1,1-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
1,1-Dichloropropene	18.8U	25.0	7.80	18.8	ug/kg
1,2,3-Trichlorobenzene	75.0U	100	30.0	75.0	ug/kg
1,2,3-Trichloropropane	1.50U	2.00	0.620	1.50	ug/kg
1,2,4-Trichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,2,4-Trimethylbenzene	75.0U	100	30.0	75.0	ug/kg
1,2-Dibromo-3-chloropropane	75.0U	100	31.0	75.0	ug/kg
1,2-Dibromoethane	1.13U	1.50	0.750	1.13	ug/kg
1,2-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,2-Dichloroethane	1.50U	2.00	0.700	1.50	ug/kg
1,2-Dichloropropane	7.50U	10.0	5.00	7.50	ug/kg
1,3,5-Trimethylbenzene	18.8U	25.0	7.80	18.8	ug/kg
1,3-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,3-Dichloropropane	7.50U	10.0	3.10	7.50	ug/kg
1,4-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
2,2-Dichloropropane	18.8U	25.0	7.80	18.8	ug/kg
2-Butanone (MEK)	188U	250	78.0	188	ug/kg
2-Chlorotoluene	18.8U	25.0	7.80	18.8	ug/kg
2-Hexanone	90.0U	120	60.0	90.0	ug/kg
4-Chlorotoluene	15.0U	20.0	10.0	15.0	ug/kg
4-Isopropyltoluene	60.0U	80.0	40.0	60.0	ug/kg
4-Methyl-2-pentanone (MIBK)	188U	250	78.0	188	ug/kg
Acetone	188U	250	110	188	ug/kg
Benzene	9.38U	12.5	3.90	9.38	ug/kg
Bromobenzene	18.8U	25.0	7.80	18.8	ug/kg
Bromochloromethane	18.8U	25.0	7.80	18.8	ug/kg
Bromodichloromethane	1.50U	2.00	0.620	1.50	ug/kg
Bromoform	18.8U	25.0	7.80	18.8	ug/kg
Bromomethane	15.0U	20.0	8.00	15.0	ug/kg
Carbon disulfide	75.0U	100	31.0	75.0	ug/kg
Carbon tetrachloride	9.38U	12.5	3.90	9.38	ug/kg
Chlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
Chloroethane	150U	200	62.0	150	ug/kg
Chloroform	4.50U	6.00	3.00	4.50	ug/kg
Chloromethane	18.8U	25.0	7.80	18.8	ug/kg
cis-1,2-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
cis-1,3-Dichloropropene	9.38U	12.5	3.90	9.38	ug/kg

Method Blank

Blank ID: MB for HBN 1901707 [VXX/42071]
Blank Lab ID: 1794718

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700011, 1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
Dibromochloromethane	3.75U	5.00	1.50	3.75	ug/kg
Dibromomethane	18.8U	25.0	7.80	18.8	ug/kg
Dichlorodifluoromethane	75.0U	100	30.0	75.0	ug/kg
Ethylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Freon-113	75.0U	100	31.0	75.0	ug/kg
Hexachlorobutadiene	15.0U	20.0	6.20	15.0	ug/kg
Isopropylbenzene (Cumene)	18.8U	25.0	7.80	18.8	ug/kg
Methylene chloride	75.0U	100	31.0	75.0	ug/kg
Methyl-t-butyl ether	75.0U	100	31.0	75.0	ug/kg
Naphthalene	18.8U	25.0	7.80	18.8	ug/kg
n-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
n-Propylbenzene	18.8U	25.0	7.80	18.8	ug/kg
o-Xylene	18.8U	25.0	7.80	18.8	ug/kg
P & M -Xylene	37.5U	50.0	15.0	37.5	ug/kg
sec-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Styrene	18.8U	25.0	7.80	18.8	ug/kg
tert-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Tetrachloroethene	9.38U	12.5	3.90	9.38	ug/kg
Toluene	18.8U	25.0	7.80	18.8	ug/kg
trans-1,2-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
trans-1,3-Dichloropropene	9.38U	12.5	3.90	9.38	ug/kg
Trichloroethene	7.50U	10.0	3.20	7.50	ug/kg
Trichlorofluoromethane	37.5U	50.0	15.0	37.5	ug/kg
Vinyl acetate	75.0U	100	31.0	75.0	ug/kg
Vinyl chloride	0.600U	0.800	0.250	0.600	ug/kg
Xylenes (total)	56.3U	75.0	22.8	56.3	ug/kg
Surrogates					
1,2-Dichloroethane-D4 (surr)	100	71-136		0	%
4-Bromofluorobenzene (surr)	99.4	55-151		0	%
Toluene-d8 (surr)	101	85-116		0	%

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Instrument: VRA Agilent GC/MS 7890B/5977A
Analyst: EJB
Analytical Date/Time: 10/11/2024 11:15:00AM

Prep Batch: VXX42071
Prep Method: SW5035A
Prep Date/Time: 10/11/2024 6:00:00AM
Prep Initial Wt./Vol.: 50 g
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42071]
Blank Spike Lab ID: 1794719
Date Analyzed: 10/11/2024 11:32

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700011, 1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SW8260D**

Blank Spike (ug/kg)

Parameter	Spike	Result	Rec (%)	CL
1,1,1,2-Tetrachloroethane	750	796	106	(78-125)
1,1,1-Trichloroethane	750	782	104	(73-130)
1,1,2,2-Tetrachloroethane	750	780	104	(70-124)
1,1,2-Trichloroethane	750	744	99	(78-121)
1,1-Dichloroethane	750	758	101	(76-125)
1,1-Dichloroethene	750	938	125	(70-131)
1,1-Dichloropropene	750	782	104	(76-125)
1,2,3-Trichlorobenzene	750	833	111	(66-130)
1,2,3-Trichloropropane	750	753	100	(73-125)
1,2,4-Trichlorobenzene	750	849	113	(67-129)
1,2,4-Trimethylbenzene	750	807	108	(75-123)
1,2-Dibromo-3-chloropropane	750	799	107	(61-132)
1,2-Dibromoethane	750	752	100	(78-122)
1,2-Dichlorobenzene	750	774	103	(78-121)
1,2-Dichloroethane	750	738	98	(73-128)
1,2-Dichloropropane	750	788	105	(76-123)
1,3,5-Trimethylbenzene	750	810	108	(73-124)
1,3-Dichlorobenzene	750	784	104	(77-121)
1,3-Dichloropropane	750	784	105	(77-121)
1,4-Dichlorobenzene	750	776	103	(75-120)
2,2-Dichloropropane	750	809	108	(67-133)
2-Butanone (MEK)	2250	2460	109	(51-148)
2-Chlorotoluene	750	798	106	(75-122)
2-Hexanone	2250	2440	109	(53-145)
4-Chlorotoluene	750	784	105	(72-124)
4-Isopropyltoluene	750	855	114	(73-127)
4-Methyl-2-pentanone (MIBK)	2250	2410	107	(65-135)
Acetone	2250	2640	117	(36-164)
Benzene	750	771	103	(77-121)
Bromobenzene	750	804	107	(78-121)
Bromochloromethane	750	735	98	(78-125)
Bromodichloromethane	750	810	108	(75-127)
Bromoform	750	836	112	(67-132)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42071]
Blank Spike Lab ID: 1794719
Date Analyzed: 10/11/2024 11:32

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700011, 1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SW8260D**

Blank Spike (ug/kg)

Parameter	Spike	Result	Rec (%)	CL
Bromomethane	750	686	91	(53-143)
Carbon disulfide	1130	1450	129	(63-132)
Carbon tetrachloride	750	818	109	(70-135)
Chlorobenzene	750	790	105	(79-120)
Chloroethane	750	721	96	(59-139)
Chloroform	750	741	99	(78-123)
Chloromethane	750	720	96	(50-136)
cis-1,2-Dichloroethene	750	757	101	(77-123)
cis-1,3-Dichloropropene	750	838	112	(74-126)
Dibromochloromethane	750	850	113	(74-126)
Dibromomethane	750	794	106	(78-125)
Dichlorodifluoromethane	750	731	98	(29-149)
Ethylbenzene	750	786	105	(76-122)
Freon-113	1130	1400	124	(66-136)
Hexachlorobutadiene	750	900	120	(61-135)
Isopropylbenzene (Cumene)	750	804	107	(68-134)
Methylene chloride	750	764	102	(70-128)
Methyl-t-butyl ether	1130	1120	100	(73-125)
Naphthalene	750	731	97	(62-129)
n-Butylbenzene	750	883	118	(70-128)
n-Propylbenzene	750	826	110	(73-125)
o-Xylene	750	791	106	(77-123)
P & M -Xylene	1500	1560	104	(77-124)
sec-Butylbenzene	750	838	112	(73-126)
Styrene	750	789	105	(76-124)
tert-Butylbenzene	750	834	111	(73-125)
Tetrachloroethene	750	824	110	(73-128)
Toluene	750	772	103	(77-121)
trans-1,2-Dichloroethene	750	771	103	(74-125)
trans-1,3-Dichloropropene	750	831	111	(71-130)
Trichloroethene	750	775	103	(77-123)
Trichlorofluoromethane	750	759	101	(62-140)
Vinyl acetate	750	834	111	(50-151)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42071]
Blank Spike Lab ID: 1794719
Date Analyzed: 10/11/2024 11:32

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700011, 1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SW8260D**

	Blank Spike (ug/kg)			
Parameter	Spike	Result	Rec (%)	CL
Vinyl chloride	750	706	94	(56-135)
Xylenes (total)	2250	2360	105	(78-124)
Surrogates				
1,2-Dichloroethane-D4 (surr)	750		97	(71-136)
4-Bromofluorobenzene (surr)	750		99	(55-151)
Toluene-d8 (surr)	750		102	(85-116)

Batch Information

Analytical Batch: **VMS23780**
Analytical Method: **SW8260D**
Instrument: **VRA Agilent GC/MS 7890B/5977A**
Analyst: **EJB**

Prep Batch: **VXX42071**
Prep Method: **SW5035A**
Prep Date/Time: **10/11/2024 06:00**
Spike Init Wt./Vol.: 750 ug/kg Extract Vol: 25 mL
Dupe Init Wt./Vol.: Extract Vol:

Matrix Spike Summary

Original Sample ID: 1794720
MS Sample ID: 1794721 MS
MSD Sample ID: 1794722 MSD

Analysis Date: 10/11/2024 14:04
Analysis Date: 10/11/2024 12:29
Analysis Date: 10/11/2024 12:45
Matrix: Solid/Soil (Wet Weight)

QC for Samples: 1245700011, 1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SW8260D**

		Matrix Spike (ug/kg)			Spike Duplicate (ug/kg)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1,1,1,2-Tetrachloroethane	14.5U	723	738	102	723	733	102	78-125	0.61	(< 20)
1,1,1-Trichloroethane	18.1U	723	736	102	723	733	101	73-130	0.38	(< 20)
1,1,2,2-Tetrachloroethane	1.45U	723	780	108	723	740	102	70-124	5.30	(< 20)
1,1,2-Trichloroethane	0.722U	723	729	101	723	708	98	78-121	2.80	(< 20)
1,1-Dichloroethane	18.1U	723	720	100	723	716	99	76-125	0.52	(< 20)
1,1-Dichloroethene	18.1U	723	737	102	723	771	107	70-131	4.40	(< 20)
1,1-Dichloropropene	18.1U	723	721	100	723	713	99	76-125	1.10	(< 20)
1,2,3-Trichlorobenzene	72.2U	723	814	113	723	811	112	66-130	0.32	(< 20)
1,2,3-Trichloropropane	1.45U	723	711	98	723	665	92	73-125	6.70	(< 20)
1,2,4-Trichlorobenzene	18.1U	723	853	118	723	842	117	67-129	1.30	(< 20)
1,2,4-Trimethylbenzene	72.2U	723	764	106	723	735	102	75-123	3.90	(< 20)
1,2-Dibromo-3-chloropropane	72.2U	723	808	112	723	768	106	61-132	5.10	(< 20)
1,2-Dibromoethane	1.09U	723	725	100	723	709	98	78-122	2.10	(< 20)
1,2-Dichlorobenzene	18.1U	723	767	106	723	745	103	78-121	2.90	(< 20)
1,2-Dichloroethane	1.45U	723	708	98	723	698	97	73-128	1.40	(< 20)
1,2-Dichloropropane	7.22U	723	748	104	723	745	103	76-123	0.36	(< 20)
1,3,5-Trimethylbenzene	18.1U	723	768	106	723	736	102	73-124	4.30	(< 20)
1,3-Dichlorobenzene	18.1U	723	782	108	723	741	103	77-121	5.40	(< 20)
1,3-Dichloropropane	7.22U	723	741	102	723	726	101	77-121	1.90	(< 20)
1,4-Dichlorobenzene	18.1U	723	769	106	723	735	102	75-120	4.40	(< 20)
2,2-Dichloropropane	18.1U	723	752	104	723	749	104	67-133	0.45	(< 20)
2-Butanone (MEK)	181U	2170	2350	108	2170	2300	106	51-148	1.90	(< 20)
2-Chlorotoluene	18.1U	723	765	106	723	737	102	75-122	3.70	(< 20)
2-Hexanone	87.0U	2170	2380	110	2170	2350	108	53-145	1.40	(< 20)
4-Chlorotoluene	14.5U	723	763	106	723	735	102	72-124	3.80	(< 20)
4-Isopropyltoluene	57.8U	723	793	110	723	753	104	73-127	5.20	(< 20)
4-Methyl-2-pentanone (MIBK)	181U	2170	2320	107	2170	2290	106	65-135	0.96	(< 20)
Acetone	181U	2170	2450	113	2170	2360	109	36-164	3.70	(< 20)
Benzene	9.00U	723	720	100	723	717	99	77-121	0.45	(< 20)
Bromobenzene	18.1U	723	768	106	723	734	102	78-121	4.50	(< 20)
Bromochloromethane	18.1U	723	692	96	723	700	97	78-125	1.10	(< 20)
Bromodichloromethane	1.45U	723	781	108	723	768	106	75-127	1.70	(< 20)
Bromoform	18.1U	723	831	115	723	809	112	67-132	2.70	(< 20)
Bromomethane	14.5U	723	790	109	723	848	117	53-143	7.00	(< 20)
Carbon disulfide	72.2U	1080	1130	104	1080	1170	108	63-132	3.20	(< 20)
Carbon tetrachloride	9.00U	723	777	108	723	775	107	70-135	0.36	(< 20)
Chlorobenzene	18.1U	723	758	105	723	754	104	79-120	0.58	(< 20)

Matrix Spike Summary

Original Sample ID: 1794720
MS Sample ID: 1794721 MS
MSD Sample ID: 1794722 MSD

Analysis Date: 10/11/2024 14:04
Analysis Date: 10/11/2024 12:29
Analysis Date: 10/11/2024 12:45
Matrix: Solid/Soil (Wet Weight)

QC for Samples: 1245700011, 1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SW8260D**

		Matrix Spike (ug/kg)			Spike Duplicate (ug/kg)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Chloroethane	145U	723	779	108	723	749	104	59-139	3.90	(< 20)
Chloroform	4.34U	723	710	98	723	704	98	78-123	0.77	(< 20)
Chloromethane	18.1U	723	721	100	723	720	100	50-136	0.08	(< 20)
cis-1,2-Dichloroethene	18.1U	723	720	100	723	698	97	77-123	3.10	(< 20)
cis-1,3-Dichloropropene	9.00U	723	805	111	723	794	110	74-126	1.40	(< 20)
Dibromochloromethane	3.62U	723	823	114	723	807	112	74-126	2.00	(< 20)
Dibromomethane	18.1U	723	740	102	723	723	100	78-125	2.30	(< 20)
Dichlorodifluoromethane	72.2U	723	694	96	723	672	93	29-149	3.20	(< 20)
Ethylbenzene	18.1U	723	732	101	723	727	101	76-122	0.71	(< 20)
Freon-113	72.2U	1080	1100	101	1080	1130	105	66-136	3.30	(< 20)
Hexachlorobutadiene	14.5U	723	844	117	723	815	113	61-135	3.60	(< 20)
Isopropylbenzene (Cumene)	18.1U	723	725	100	723	717	99	68-134	1.10	(< 20)
Methylene chloride	72.2U	723	726	100	723	725	100	70-128	0.07	(< 20)
Methyl-t-butyl ether	72.2U	1080	1040	96	1080	1040	96	73-125	0.16	(< 20)
Naphthalene	18.1U	723	731	101	723	732	101	62-129	0.10	(< 20)
n-Butylbenzene	18.1U	723	815	113	723	779	108	70-128	4.40	(< 20)
n-Propylbenzene	18.1U	723	780	108	723	754	104	73-125	3.40	(< 20)
o-Xylene	18.1U	723	734	102	723	732	101	77-123	0.34	(< 20)
P & M -Xylene	36.2U	1450	1450	100	1450	1450	100	77-124	0.05	(< 20)
sec-Butylbenzene	18.1U	723	783	108	723	754	104	73-126	3.80	(< 20)
Styrene	18.1U	723	735	102	723	731	101	76-124	0.52	(< 20)
tert-Butylbenzene	18.1U	723	778	108	723	748	104	73-125	4.00	(< 20)
Tetrachloroethene	9.00U	723	762	105	723	763	106	73-128	0.12	(< 20)
Toluene	18.1U	723	724	100	723	725	100	77-121	0.05	(< 20)
trans-1,2-Dichloroethene	18.1U	723	715	99	723	714	99	74-125	0.07	(< 20)
trans-1,3-Dichloropropene	9.00U	723	811	112	723	800	111	71-130	1.40	(< 20)
Trichloroethene	7.22U	723	738	102	723	731	101	77-123	0.83	(< 20)
Trichlorofluoromethane	36.2U	723	860	119	723	832	115	62-140	3.30	(< 20)
Vinyl acetate	72.2U	723	882	122	723	877	121	50-151	0.62	(< 20)
Vinyl chloride	0.578U	723	729	101	723	706	98	56-135	3.20	(< 20)
Xylenes (total)	54.2U	2170	2190	101	2170	2180	101	78-124	0.08	(< 20)
Surrogates										
1,2-Dichloroethane-D4 (surr)		723	705	98	723	700	97	71-136	0.62	
4-Bromofluorobenzene (surr)		1200	1180	98	1200	1110	92	55-151	5.70	
Toluene-d8 (surr)		723	727	101	723	725	100	85-116	0.20	

Matrix Spike Summary

Original Sample ID: 1794720
MS Sample ID: 1794721 MS
MSD Sample ID: 1794722 MSD

Analysis Date:
Analysis Date: 10/11/2024 12:29
Analysis Date: 10/11/2024 12:45
Matrix: Solid/Soil (Wet Weight)

QC for Samples: 1245700011, 1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **SW8260D**

		Matrix Spike (%)			Spike Duplicate (%)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL

Batch Information

Analytical Batch: VMS23780
Analytical Method: SW8260D
Instrument: VRA Agilent GC/MS 7890B/5977A
Analyst: EJB
Analytical Date/Time: 10/11/2024 12:29:00PM

Prep Batch: VXX42071
Prep Method: Vol. Extraction SW8260 Field Extracted L
Prep Date/Time: 10/11/2024 6:00:00AM
Prep Initial Wt./Vol.: 51.90g
Prep Extract Vol: 25.00mL

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Method Blank

Blank ID: MB for HBN 1902251 [VXX/42181]
Blank Lab ID: 1796840

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009

Results by **AK101**

Parameter	Results	LOQ/CL	DL	LOD	Units
Gasoline Range Organics	1.88U	2.50	0.750	1.88	mg/kg
Surrogates					
4-Bromofluorobenzene (surr)	86.4	50-150		0	%

Batch Information

Analytical Batch: VFC17056
Analytical Method: AK101
Instrument: Agilent 7890A PID/FID
Analyst: T.L
Analytical Date/Time: 10/22/2024 9:06:00PM

Prep Batch: VXX42181
Prep Method: SW5035A
Prep Date/Time: 10/22/2024 6:00:00AM
Prep Initial Wt./Vol.: 50 g
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42181]
Blank Spike Lab ID: 1796841
Date Analyzed: 10/22/2024 21:25

Spike Duplicate ID: LCSD for HBN 1245700 [VXX42181]
Spike Duplicate Lab ID: 1796842
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009

Results by **AK101**

	Blank Spike (mg/kg)				Spike Duplicate (mg/kg)					
Parameter	Spike	Result	Rec (%)		Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Gasoline Range Organics	12.5	16.6	133	*	12.5	13.5	108	(60-120)	20.60	* (< 20)
Surrogates										
4-Bromofluorobenzene (surr)	1.25		95		1.25		92	(50-150)	4.00	

Batch Information

Analytical Batch: **VFC17056**
Analytical Method: **AK101**
Instrument: **Agilent 7890A PID/FID**
Analyst: **T.L**

Prep Batch: **VXX42181**
Prep Method: **SW5035A**
Prep Date/Time: **10/22/2024 06:00**
Spike Init Wt./Vol.: 1.25 mg/kg Extract Vol: 25 mL
Dupe Init Wt./Vol.: 1.25 mg/kg Extract Vol: 25 mL

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Method Blank

Blank ID: MB for HBN 1902470 [VXX/42222]
Blank Lab ID: 1797587

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **AK101**

Parameter	Results	LOQ/CL	DL	LOD	Units
Gasoline Range Organics	1.88U	2.50	0.750	1.88	mg/kg
Surrogates					
4-Bromofluorobenzene (surr)	87.9	50-150		0	%

Batch Information

Analytical Batch: VFC17065
Analytical Method: AK101
Instrument: Agilent 7890A PID/FID
Analyst: C.M
Analytical Date/Time: 10/24/2024 6:10:00PM

Prep Batch: VXX42222
Prep Method: SW5035A
Prep Date/Time: 10/24/2024 6:00:00AM
Prep Initial Wt./Vol.: 50 g
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42222]
Blank Spike Lab ID: 1797588
Date Analyzed: 10/24/2024 18:28

Spike Duplicate ID: LCSD for HBN 1245700 [VXX42222]
Spike Duplicate Lab ID: 1797589
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700015, 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **AK101**

	Blank Spike (mg/kg)				Spike Duplicate (mg/kg)					
Parameter	Spike	Result	Rec (%)		Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Gasoline Range Organics	12.5	15.5	124	*	12.5	15.0	120	(60-120)	3.00	(< 20)
Surrogates										
4-Bromofluorobenzene (surr)	1.25		94		1.25		95	(50-150)	0.83	

Batch Information

Analytical Batch: **VFC17065**
Analytical Method: **AK101**
Instrument: **Agilent 7890A PID/FID**
Analyst:

Prep Batch: **VXX42222**
Prep Method: **SW5035A**
Prep Date/Time: **10/24/2024 06:00**
Spike Init Wt./Vol.: 1.25 mg/kg Extract Vol: 25 mL
Dupe Init Wt./Vol.: 1.25 mg/kg Extract Vol: 25 mL

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Method Blank

Blank ID: MB for HBN 1902814 [VXX/42290]
Blank Lab ID: 1798848

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700009, 1245700010, 1245700012, 1245700013, 1245700014

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
1,1,1,2-Tetrachloroethane	15.0U	20.0	6.20	15.0	ug/kg
1,1,1-Trichloroethane	18.8U	25.0	7.80	18.8	ug/kg
1,1,2,2-Tetrachloroethane	1.50U	2.00	0.620	1.50	ug/kg
1,1,2-Trichloroethane	0.750U	1.00	0.500	0.750	ug/kg
1,1-Dichloroethane	18.8U	25.0	7.80	18.8	ug/kg
1,1-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
1,1-Dichloropropene	18.8U	25.0	7.80	18.8	ug/kg
1,2,3-Trichlorobenzene	75.0U	100	30.0	75.0	ug/kg
1,2,3-Trichloropropane	1.50U	2.00	0.620	1.50	ug/kg
1,2,4-Trichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,2,4-Trimethylbenzene	75.0U	100	30.0	75.0	ug/kg
1,2-Dibromo-3-chloropropane	75.0U	100	31.0	75.0	ug/kg
1,2-Dibromoethane	1.13U	1.50	0.750	1.13	ug/kg
1,2-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,2-Dichloroethane	1.50U	2.00	0.700	1.50	ug/kg
1,2-Dichloropropane	7.50U	10.0	5.00	7.50	ug/kg
1,3,5-Trimethylbenzene	18.8U	25.0	7.80	18.8	ug/kg
1,3-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
1,3-Dichloropropane	7.50U	10.0	3.10	7.50	ug/kg
1,4-Dichlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
2,2-Dichloropropane	18.8U	25.0	7.80	18.8	ug/kg
2-Butanone (MEK)	188U	250	78.0	188	ug/kg
2-Chlorotoluene	18.8U	25.0	7.80	18.8	ug/kg
2-Hexanone	90.0U	120	60.0	90.0	ug/kg
4-Chlorotoluene	15.0U	20.0	10.0	15.0	ug/kg
4-Isopropyltoluene	60.0U	80.0	40.0	60.0	ug/kg
4-Methyl-2-pentanone (MIBK)	188U	250	78.0	188	ug/kg
Acetone	188U	250	110	188	ug/kg
Benzene	9.38U	12.5	3.90	9.38	ug/kg
Bromobenzene	18.8U	25.0	7.80	18.8	ug/kg
Bromochloromethane	18.8U	25.0	7.80	18.8	ug/kg
Bromodichloromethane	1.50U	2.00	0.620	1.50	ug/kg
Bromoform	18.8U	25.0	7.80	18.8	ug/kg
Bromomethane	15.0U	20.0	8.00	15.0	ug/kg
Carbon disulfide	75.0U	100	31.0	75.0	ug/kg
Carbon tetrachloride	9.38U	12.5	3.90	9.38	ug/kg
Chlorobenzene	18.8U	25.0	7.80	18.8	ug/kg
Chloroethane	150U	200	62.0	150	ug/kg
Chloroform	4.50U	6.00	3.00	4.50	ug/kg
Chloromethane	18.8U	25.0	7.80	18.8	ug/kg
cis-1,2-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
cis-1,3-Dichloropropene	9.38U	12.5	3.90	9.38	ug/kg

Method Blank

Blank ID: MB for HBN 1902814 [VXX/42290]
Blank Lab ID: 1798848

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700009, 1245700010, 1245700012, 1245700013, 1245700014

Results by **SW8260D**

Parameter	Results	LOQ/CL	DL	LOD	Units
Dibromochloromethane	3.75U	5.00	1.50	3.75	ug/kg
Dibromomethane	18.8U	25.0	7.80	18.8	ug/kg
Dichlorodifluoromethane	75.0U	100	30.0	75.0	ug/kg
Ethylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Freon-113	75.0U	100	31.0	75.0	ug/kg
Hexachlorobutadiene	15.0U	20.0	6.20	15.0	ug/kg
Isopropylbenzene (Cumene)	18.8U	25.0	7.80	18.8	ug/kg
Methylene chloride	75.0U	100	31.0	75.0	ug/kg
Methyl-t-butyl ether	75.0U	100	31.0	75.0	ug/kg
Naphthalene	18.8U	25.0	7.80	18.8	ug/kg
n-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
n-Propylbenzene	18.8U	25.0	7.80	18.8	ug/kg
o-Xylene	18.8U	25.0	7.80	18.8	ug/kg
P & M -Xylene	37.5U	50.0	15.0	37.5	ug/kg
sec-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Styrene	18.8U	25.0	7.80	18.8	ug/kg
tert-Butylbenzene	18.8U	25.0	7.80	18.8	ug/kg
Tetrachloroethene	9.38U	12.5	3.90	9.38	ug/kg
Toluene	18.8U	25.0	7.80	18.8	ug/kg
trans-1,2-Dichloroethene	18.8U	25.0	7.80	18.8	ug/kg
trans-1,3-Dichloropropene	9.38U	12.5	3.90	9.38	ug/kg
Trichloroethene	7.50U	10.0	3.20	7.50	ug/kg
Trichlorofluoromethane	37.5U	50.0	15.0	37.5	ug/kg
Vinyl acetate	75.0U	100	31.0	75.0	ug/kg
Vinyl chloride	0.600U	0.800	0.250	0.600	ug/kg
Xylenes (total)	56.3U	75.0	22.8	56.3	ug/kg
Surrogates					
1,2-Dichloroethane-D4 (surr)	104	71-136		0	%
4-Bromofluorobenzene (surr)	88.1	55-151		0	%
Toluene-d8 (surr)	99.4	85-116		0	%

Batch Information

Analytical Batch: VMS23921
Analytical Method: SW8260D
Instrument: VQA 7890/5975 GC/MS
Analyst: CJG
Analytical Date/Time: 10/10/2024 11:41:00AM

Prep Batch: VXX42290
Prep Method: SW5035A
Prep Date/Time: 9/28/2024 6:00:00AM
Prep Initial Wt./Vol.: 50 g
Prep Extract Vol: 25 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42290]
Blank Spike Lab ID: 1798849
Date Analyzed: 10/10/2024 11:57

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700009, 1245700010, 1245700012, 1245700013, 1245700014

Results by **SW8260D**

Blank Spike (ug/kg)

Parameter	Spike	Result	Rec (%)	CL
1,1,1,2-Tetrachloroethane	750	757	101	(78-125)
1,1,1-Trichloroethane	750	693	92	(73-130)
1,1,2,2-Tetrachloroethane	750	714	95	(70-124)
1,1,2-Trichloroethane	750	816	109	(78-121)
1,1-Dichloroethane	750	661	88	(76-125)
1,1-Dichloroethene	750	656	88	(70-131)
1,1-Dichloropropene	750	723	96	(76-125)
1,2,3-Trichlorobenzene	750	744	99	(66-130)
1,2,3-Trichloropropane	750	721	96	(73-125)
1,2,4-Trichlorobenzene	750	741	99	(67-129)
1,2,4-Trimethylbenzene	750	732	98	(75-123)
1,2-Dibromo-3-chloropropane	750	768	102	(61-132)
1,2-Dibromoethane	750	748	100	(78-122)
1,2-Dichlorobenzene	750	710	95	(78-121)
1,2-Dichloroethane	750	661	88	(73-128)
1,2-Dichloropropane	750	731	97	(76-123)
1,3,5-Trimethylbenzene	750	719	96	(73-124)
1,3-Dichlorobenzene	750	710	95	(77-121)
1,3-Dichloropropane	750	795	106	(77-121)
1,4-Dichlorobenzene	750	714	95	(75-120)
2,2-Dichloropropane	750	699	93	(67-133)
2-Butanone (MEK)	2250	2310	103	(51-148)
2-Chlorotoluene	750	714	95	(75-122)
2-Hexanone	2250	2440	108	(53-145)
4-Chlorotoluene	750	712	95	(72-124)
4-Isopropyltoluene	750	715	95	(73-127)
4-Methyl-2-pentanone (MIBK)	2250	2240	100	(65-135)
Acetone	2250	2090	93	(36-164)
Benzene	750	713	95	(77-121)
Bromobenzene	750	722	96	(78-121)
Bromochloromethane	750	649	87	(78-125)
Bromodichloromethane	750	695	93	(75-127)
Bromoform	750	780	104	(67-132)

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42290]
Blank Spike Lab ID: 1798849
Date Analyzed: 10/10/2024 11:57

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700009, 1245700010, 1245700012, 1245700013, 1245700014

Results by **SW8260D**

Blank Spike (ug/kg)

Parameter	Spike	Result	Rec (%)	CL
Bromomethane	750	692	92	(53-143)
Carbon disulfide	1130	955	85	(63-132)
Carbon tetrachloride	750	718	96	(70-135)
Chlorobenzene	750	725	97	(79-120)
Chloroethane	750	693	92	(59-139)
Chloroform	750	690	92	(78-123)
Chloromethane	750	658	88	(50-136)
cis-1,2-Dichloroethene	750	664	89	(77-123)
cis-1,3-Dichloropropene	750	778	104	(74-126)
Dibromochloromethane	750	790	105	(74-126)
Dibromomethane	750	696	93	(78-125)
Dichlorodifluoromethane	750	615	82	(29-149)
Ethylbenzene	750	734	98	(76-122)
Freon-113	1130	1010	90	(66-136)
Hexachlorobutadiene	750	690	92	(61-135)
Isopropylbenzene (Cumene)	750	728	97	(68-134)
Methylene chloride	750	695	93	(70-128)
Methyl-t-butyl ether	1130	1100	98	(73-125)
Naphthalene	750	851	113	(62-129)
n-Butylbenzene	750	702	94	(70-128)
n-Propylbenzene	750	715	95	(73-125)
o-Xylene	750	729	97	(77-123)
P & M -Xylene	1500	1460	97	(77-124)
sec-Butylbenzene	750	693	92	(73-126)
Styrene	750	760	101	(76-124)
tert-Butylbenzene	750	705	94	(73-125)
Tetrachloroethene	750	744	99	(73-128)
Toluene	750	713	95	(77-121)
trans-1,2-Dichloroethene	750	679	91	(74-125)
trans-1,3-Dichloropropene	750	742	99	(71-130)
Trichloroethene	750	741	99	(77-123)
Trichlorofluoromethane	750	644	86	(62-140)
Vinyl acetate	750	776	103	(50-151)

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [VXX42290]
Blank Spike Lab ID: 1798849
Date Analyzed: 10/10/2024 11:57

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700009, 1245700010, 1245700012, 1245700013, 1245700014

Results by **SW8260D**

Blank Spike (ug/kg)

Parameter	Spike	Result	Rec (%)	CL
Vinyl chloride	750	635	85	(56-135)
Xylenes (total)	2250	2190	97	(78-124)
Surrogates				
1,2-Dichloroethane-D4 (surr)	750		93	(71-136)
4-Bromofluorobenzene (surr)	750		90	(55-151)
Toluene-d8 (surr)	750		101	(85-116)

Batch Information

Analytical Batch: **VMS23921**
Analytical Method: **SW8260D**
Instrument: **VQA 7890/5975 GC/MS**
Analyst: **CJG**

Prep Batch: **VXX42290**
Prep Method: **SW5035A**
Prep Date/Time: **09/28/2024 06:00**
Spike Init Wt./Vol.: 750 ug/kg Extract Vol: 25 mL
Dupe Init Wt./Vol.: Extract Vol:

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Matrix Spike Summary

Original Sample ID: 1245656002
MS Sample ID: 1798851 MS
MSD Sample ID: 1798852 MSD

Analysis Date: 10/10/2024 15:10
Analysis Date: 10/10/2024 13:36
Analysis Date: 10/10/2024 13:52
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700009, 1245700010, 1245700012, 1245700013, 1245700014

Results by **SW8260D**

		Matrix Spike (ug/kg)				Spike Duplicate (ug/kg)					
Parameter	Sample	Spike	Result	Rec (%)		Spike	Result	Rec (%)		CL	RPD (%)	RPD CL
1,2,4-Trimethylbenzene	571	1665	1563	59	*	1665	1588	61	*	75-123	2.20	(< 20)
1,2-Dibromoethane	3.33U	1665	1665	100		1665	1690	101		78-122	1.20	(< 20)
1,2-Dichloroethane	4.45U	1665	1487	89		1665	1499	90		73-128	0.60	(< 20)
1,3,5-Trimethylbenzene	227	1665	1474	75		1665	1487	76		73-124	1.50	(< 20)
Benzene	27.8U	1665	1588	96		1665	1601	96		77-121	0.52	(< 20)
Ethylbenzene	90.6	1665	1626	92		1665	1614	91		76-122	0.38	(< 20)
Isopropylbenzene (Cumene)	78.4	1665	1576	89		1665	1550	88		68-134	1.10	(< 20)
Methyl-t-butyl ether	222U	2503	2389	96		2503	2389	95		73-125	0.19	(< 20)
Naphthalene	81.1	1665	2135	123		1665	2224	129		62-129	4.50	(< 20)
n-Butylbenzene	55.6U	1665	1537	92		1665	1525	92		70-128	0.44	(< 20)
n-Propylbenzene	137	1665	1512	82		1665	1525	83		73-125	1.30	(< 20)
o-Xylene	334	1665	1614	77	*	1665	1601	76	*	77-123	0.42	(< 20)
P & M -Xylene	374	3329	3266	87		3329	3253	86		77-124	0.53	(< 20)
sec-Butylbenzene	55.6U	1665	1474	86		1665	1474	85		73-126	0.30	(< 20)
tert-Butylbenzene	55.6U	1665	1487	89		1665	1512	90		73-125	1.10	(< 20)
Toluene	55.6U	1665	1614	97		1665	1614	97		77-121	0.07	(< 20)
Xylenes (total)	708	5006	4879	83		5006	4854	83		78-124	0.49	(< 20)
Surrogates												
1,2-Dichloroethane-D4 (surr)		1665	1525	92		1665	1537	93		71-136	1.00	
4-Bromofluorobenzene (surr)		2109	2402	114		2109	2452	116		55-151	1.80	
Toluene-d8 (surr)		1665	1690	101		1665	1677	100		85-116	0.66	

Batch Information

Analytical Batch: VMS23921
Analytical Method: SW8260D
Instrument: VQA 7890/5975 GC/MS
Analyst: CJG
Analytical Date/Time: 10/10/2024 1:36:00PM

Prep Batch: VXX42290
Prep Method: Vol. Extraction SW8260 Field Extracted L
Prep Date/Time: 9/28/2024 6:00:00AM
Prep Initial Wt./Vol.: 37.72g
Prep Extract Vol: 33.02mL

Print Date: 11/18/2024 10:42:36AM

Method Blank

Blank ID: MB for HBN 1901088 [XXX/50583]
Blank Lab ID: 1792806

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014

Results by **AK102**

Parameter	Results	LOQ/CL	DL	LOD	Units
Diesel Range Organics	15.0U	20.0	9.00	15.0	mg/kg
Surrogates					
5a Androstane (surr)	97.2	60-120		0	%

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Instrument: Agilent 7890B R
Analyst: KFC
Analytical Date/Time: 11/6/2024 6:04:00PM

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/5/2024 11:52:00AM
Prep Initial Wt./Vol.: 22.5 g
Prep Extract Vol: 5 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [XXX50583]
Blank Spike Lab ID: 1792807
Date Analyzed: 11/06/2024 18:14

Spike Duplicate ID: LCSD for HBN 1245700 [XXX50583]
Spike Duplicate Lab ID: 1792808
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014

Results by **AK102**

	Blank Spike (mg/kg)			Spike Duplicate (mg/kg)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Diesel Range Organics	1110	1050	95	1110	1030	93	(75-125)	2.30	(< 20)
Surrogates									
5a Androstane (surr)	22.2		102	22.2		102	(60-120)	0.36	

Batch Information

Analytical Batch: **XFC17096**
Analytical Method: **AK102**
Instrument: **Agilent 7890B R**
Analyst: **KFC**

Prep Batch: **XXX50583**
Prep Method: **SW3550C**
Prep Date/Time: **10/05/2024 11:52**
Spike Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL
Dupe Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1901088 [XXX/50583]
Blank Lab ID: 1792806

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014

Results by **AK103**

Parameter	Results	LOQ/CL	DL	LOD	Units
Residual Range Organics	75.0U	100	43.0	75.0	mg/kg
Surrogates					
n-Triacontane-d62 (surr)	67.5	60-120		0	%

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Instrument: Agilent 7890B R
Analyst: KFC
Analytical Date/Time: 11/6/2024 6:04:00PM

Prep Batch: XXX50583
Prep Method: SW3550C
Prep Date/Time: 10/5/2024 11:52:00AM
Prep Initial Wt./Vol.: 22.5 g
Prep Extract Vol: 5 mL

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Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [XXX50583]
Blank Spike Lab ID: 1792807
Date Analyzed: 11/06/2024 18:14

Spike Duplicate ID: LCSD for HBN 1245700 [XXX50583]
Spike Duplicate Lab ID: 1792808
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014

Results by **AK103**

	Blank Spike (mg/kg)			Spike Duplicate (mg/kg)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Residual Range Organics	1110	1260	113	1110	1190	107	(60-120)	5.60	(< 20)
Surrogates									
n-Triacontane-d62 (surr)	22.2		97	22.2		93	(60-120)	3.30	

Batch Information

Analytical Batch: **XFC17096**
Analytical Method: **AK103**
Instrument: **Agilent 7890B R**
Analyst: **KFC**

Prep Batch: **XXX50583**
Prep Method: **SW3550C**
Prep Date/Time: **10/05/2024 11:52**
Spike Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL
Dupe Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1901089 [XXX/50584]
Blank Lab ID: 1792809

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014

Results by **8270E SIM (PAH)**

Parameter	Results	LOQ/CL	DL	LOD	Units
1-Methylnaphthalene	18.8U	25.0	6.25	18.8	ug/kg
2-Methylnaphthalene	18.8U	25.0	6.25	18.8	ug/kg
Acenaphthene	18.8U	25.0	6.25	18.8	ug/kg
Acenaphthylene	18.8U	25.0	6.25	18.8	ug/kg
Anthracene	18.8U	25.0	6.25	18.8	ug/kg
Benzo(a)Anthracene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[a]pyrene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[b]Fluoranthene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[g,h,i]perylene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[k]fluoranthene	18.8U	25.0	6.25	18.8	ug/kg
Chrysene	18.8U	25.0	6.25	18.8	ug/kg
Dibenzo[a,h]anthracene	18.8U	25.0	6.25	18.8	ug/kg
Fluoranthene	18.8U	25.0	6.25	18.8	ug/kg
Fluorene	18.8U	25.0	6.25	18.8	ug/kg
Indeno[1,2,3-c,d] pyrene	18.8U	25.0	6.25	18.8	ug/kg
Naphthalene	15.0U	20.0	5.00	15.0	ug/kg
Phenanthrene	18.8U	25.0	6.25	18.8	ug/kg
Pyrene	18.8U	25.0	6.25	18.8	ug/kg
Surrogates					
2-Methylnaphthalene-d10 (surr)	109	63-126		0	%
Fluoranthene-d10 (surr)	106	54-143		0	%

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Instrument: Agilent GC 7890B/5977A SWA
Analyst: HBL
Analytical Date/Time: 11/8/2024 10:44:00AM

Prep Batch: XXX50584
Prep Method: SW3550C
Prep Date/Time: 10/5/2024 12:05:00PM
Prep Initial Wt./Vol.: 22.5 g
Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [XXX50584]
Blank Spike Lab ID: 1792810
Date Analyzed: 11/08/2024 11:05

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014

Results by **8270E SIM (PAH)**

Blank Spike (ug/kg)

Parameter	Spike	Result	Rec (%)		CL
1-Methylnaphthalene	111	121	109		(43-111)
2-Methylnaphthalene	111	116	104		(39-114)
Acenaphthene	111	122	110		(44-111)
Acenaphthylene	111	117	105		(39-116)
Anthracene	111	125	113		(50-114)
Benzo(a)Anthracene	111	127	115		(54-122)
Benzo[a]pyrene	111	113	102		(50-125)
Benzo[b]Fluoranthene	111	132	119		(53-128)
Benzo[g,h,i]perylene	111	133	119		(49-127)
Benzo[k]fluoranthene	111	131	118		(56-123)
Chrysene	111	138	124	*	(57-118)
Dibenzo[a,h]anthracene	111	129	116		(50-129)
Fluoranthene	111	114	103		(55-119)
Fluorene	111	125	113		(47-114)
Indeno[1,2,3-c,d] pyrene	111	128	115		(49-130)
Naphthalene	111	110	99		(38-111)
Phenanthrene	111	120	108		(49-113)
Pyrene	111	118	106		(55-117)
Surrogates					
2-Methylnaphthalene-d10 (surr)	111		116		(63-126)
Fluoranthene-d10 (surr)	111		108		(54-143)

Batch Information

Analytical Batch: **XMS14685**
Analytical Method: **8270E SIM (PAH)**
Instrument: **Agilent GC 7890B/5977A SWA**
Analyst: **HBL**

Prep Batch: **XXX50584**
Prep Method: **SW3550C**
Prep Date/Time: **10/05/2024 12:05**
Spike Init Wt./Vol.: 111 ug/kg Extract Vol: 5 mL
Dupe Init Wt./Vol.: Extract Vol:

Matrix Spike Summary

Original Sample ID: 1245700002
MS Sample ID: 1792811 MS
MSD Sample ID: 1792812 MSD

Analysis Date: 11/08/2024 11:46
Analysis Date: 11/08/2024 12:07
Analysis Date: 11/08/2024 12:28
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700001, 1245700002, 1245700003, 1245700004, 1245700005, 1245700006, 1245700007, 1245700008, 1245700009, 1245700010, 1245700011, 1245700012, 1245700013, 1245700014

Results by **8270E SIM (PAH)**

		Matrix Spike (ug/kg)			Spike Duplicate (ug/kg)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1-Methylnaphthalene	12.3J	140	154	101	140	160	106	43-111	4.50	(< 20)
2-Methylnaphthalene	15.3J	140	152	98	140	161	105	39-114	6.30	(< 20)
Acenaphthene	23.5U	140	145	103	140	142	101	44-111	2.00	(< 20)
Acenaphthylene	23.5U	140	136	98	140	135	96	39-116	1.70	(< 20)
Anthracene	23.5U	140	146	104	140	144	103	50-114	1.50	(< 20)
Benzo(a)Anthracene	23.5U	140	145	103	140	140	100	54-122	3.10	(< 20)
Benzo[a]pyrene	23.5U	140	128	92	140	127	91	50-125	1.20	(< 20)
Benzo[b]Fluoranthene	23.5U	140	146	104	140	142	102	53-128	2.10	(< 20)
Benzo[g,h,i]perylene	23.5U	140	145	103	140	141	101	49-127	2.70	(< 20)
Benzo[k]fluoranthene	23.5U	140	149	106	140	145	104	56-123	2.50	(< 20)
Chrysene	23.5U	140	156	111	140	151	109	57-118	2.60	(< 20)
Dibenzo[a,h]anthracene	23.5U	140	139	99	140	136	97	50-129	2.40	(< 20)
Fluoranthene	23.5U	140	131	94	140	127	91	55-119	3.10	(< 20)
Fluorene	23.5U	140	146	104	140	144	103	47-114	1.80	(< 20)
Indeno[1,2,3-c,d] pyrene	23.5U	140	139	99	140	136	97	49-130	2.30	(< 20)
Naphthalene	10.3J	140	142	95	140	147	98	38-111	3.30	(< 20)
Phenanthrene	23.5U	140	137	98	140	133	95	49-113	2.80	(< 20)
Pyrene	23.5U	140	137	98	140	132	95	55-117	3.70	(< 20)
Surrogates										
2-Methylnaphthalene-d10 (surr)		140	152	109	140	147	106	63-126	2.90	
Fluoranthene-d10 (surr)		140	144	102	140	136	98	54-143	4.80	

Batch Information

Analytical Batch: XMS14685
Analytical Method: 8270E SIM (PAH)
Instrument: Agilent GC 7890B/5977A SWA
Analyst: HBL
Analytical Date/Time: 11/8/2024 12:07:00PM

Prep Batch: XXX50584
Prep Method: Sonication Extr Soil 8270 PAH SIM 5ml
Prep Date/Time: 10/5/2024 12:05:00PM
Prep Initial Wt./Vol.: 22.70g
Prep Extract Vol: 5.00mL

Print Date: 11/18/2024 10:42:56AM

Method Blank

Blank ID: MB for HBN 1901143 [XXX/50592]
Blank Lab ID: 1792923

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **AK102**

Parameter	Results	LOQ/CL	DL	LOD	Units
Diesel Range Organics	15.0U	20.0	9.00	15.0	mg/kg
Surrogates					
5a Androstane (surr)	93.9	60-120		0	%

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK102
Instrument: Agilent 7890B R
Analyst: KFC
Analytical Date/Time: 11/7/2024 3:03:00AM

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/7/2024 10:06:00AM
Prep Initial Wt./Vol.: 22.5 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:42:58AM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [XXX50592]
Blank Spike Lab ID: 1792924
Date Analyzed: 11/07/2024 03:13

Spike Duplicate ID: LCSD for HBN 1245700 [XXX50592]
Spike Duplicate Lab ID: 1792925
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **AK102**

	Blank Spike (mg/kg)			Spike Duplicate (mg/kg)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Diesel Range Organics	1110	993	89	1110	1020	92	(75-125)	3.10	(< 20)
Surrogates									
5a Androstane (surr)	22.2		98	22.2		101	(60-120)	2.90	

Batch Information

Analytical Batch: **XFC17096**
Analytical Method: **AK102**
Instrument: **Agilent 7890B R**
Analyst: **KFC**

Prep Batch: **XXX50592**
Prep Method: **SW3550C**
Prep Date/Time: **10/07/2024 10:06**
Spike Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL
Dupe Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1901143 [XXX/50592]
Blank Lab ID: 1792923

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **AK103**

Parameter	Results	LOQ/CL	DL	LOD	Units
Residual Range Organics	75.0U	100	43.0	75.0	mg/kg
Surrogates					
n-Triacontane-d62 (surr)	86.5	60-120		0	%

Batch Information

Analytical Batch: XFC17096
Analytical Method: AK103
Instrument: Agilent 7890B R
Analyst: KFC
Analytical Date/Time: 11/7/2024 3:03:00AM

Prep Batch: XXX50592
Prep Method: SW3550C
Prep Date/Time: 10/7/2024 10:06:00AM
Prep Initial Wt./Vol.: 22.5 g
Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [XXX50592]
Blank Spike Lab ID: 1792924
Date Analyzed: 11/07/2024 20:41

Spike Duplicate ID: LCSD for HBN 1245700 [XXX50592]
Spike Duplicate Lab ID: 1792925
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **AK103**

	Blank Spike (mg/kg)			Spike Duplicate (mg/kg)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Residual Range Organics	1110	1300	117	1110	1240	112	(60-120)	4.60	(< 20)
Surrogates									
n-Triacontane-d62 (surr)	22.2		104	22.2		101	(60-120)	3.50	

Batch Information

Analytical Batch: **XFC17102**
Analytical Method: **AK103**
Instrument: **Agilent 7890B R**
Analyst: **T.L**

Prep Batch: **XXX50592**
Prep Method: **SW3550C**
Prep Date/Time: **10/07/2024 10:06**
Spike Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL
Dupe Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1901144 [XXX/50593]
Blank Lab ID: 1792930

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **8270E SIM (PAH)**

Parameter	Results	LOQ/CL	DL	LOD	Units
1-Methylnaphthalene	18.8U	25.0	6.25	18.8	ug/kg
2-Methylnaphthalene	18.8U	25.0	6.25	18.8	ug/kg
Acenaphthene	18.8U	25.0	6.25	18.8	ug/kg
Acenaphthylene	18.8U	25.0	6.25	18.8	ug/kg
Anthracene	18.8U	25.0	6.25	18.8	ug/kg
Benzo(a)Anthracene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[a]pyrene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[b]Fluoranthene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[g,h,i]perylene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[k]fluoranthene	18.8U	25.0	6.25	18.8	ug/kg
Chrysene	18.8U	25.0	6.25	18.8	ug/kg
Dibenzo[a,h]anthracene	18.8U	25.0	6.25	18.8	ug/kg
Fluoranthene	18.8U	25.0	6.25	18.8	ug/kg
Fluorene	18.8U	25.0	6.25	18.8	ug/kg
Indeno[1,2,3-c,d] pyrene	18.8U	25.0	6.25	18.8	ug/kg
Naphthalene	15.0U	20.0	5.00	15.0	ug/kg
Phenanthrene	18.8U	25.0	6.25	18.8	ug/kg
Pyrene	18.8U	25.0	6.25	18.8	ug/kg
Surrogates					
2-Methylnaphthalene-d10 (surr)	119	63-126		0	%
Fluoranthene-d10 (surr)	116	54-143		0	%

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Instrument: Agilent 8890 GC/MS SYA
Analyst: HBL
Analytical Date/Time: 11/9/2024 3:07:00AM

Prep Batch: XXX50593
Prep Method: SW3550C
Prep Date/Time: 10/7/2024 10:06:00AM
Prep Initial Wt./Vol.: 22.5 g
Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [XXX50593]
Blank Spike Lab ID: 1792931
Date Analyzed: 11/09/2024 03:23

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **8270E SIM (PAH)**

	Blank Spike (ug/kg)			
Parameter	Spike	Result	Rec (%)	CL
1-Methylnaphthalene	111	118	106	(43-111)
2-Methylnaphthalene	111	114	103	(39-114)
Acenaphthene	111	123	111	(44-111)
Acenaphthylene	111	123	110	(39-116)
Anthracene	111	116	104	(50-114)
Benzo(a)Anthracene	111	117	105	(54-122)
Benzo[a]pyrene	111	106	96	(50-125)
Benzo[b]Fluoranthene	111	130	117	(53-128)
Benzo[g,h,i]perylene	111	124	112	(49-127)
Benzo[k]fluoranthene	111	123	111	(56-123)
Chrysene	111	130	117	(57-118)
Dibenzo[a,h]anthracene	111	121	109	(50-129)
Fluoranthene	111	124	112	(55-119)
Fluorene	111	114	103	(47-114)
Indeno[1,2,3-c,d] pyrene	111	114	102	(49-130)
Naphthalene	111	120	108	(38-111)
Phenanthrene	111	120	108	(49-113)
Pyrene	111	127	114	(55-117)
Surrogates				
2-Methylnaphthalene-d10 (surr)	111		121	(63-126)
Fluoranthene-d10 (surr)	111		116	(54-143)

Batch Information

Analytical Batch: **XMS14687**
Analytical Method: **8270E SIM (PAH)**
Instrument: **Agilent 8890 GC/MS SYA**
Analyst: **HBL**

Prep Batch: **XXX50593**
Prep Method: **SW3550C**
Prep Date/Time: **10/07/2024 10:06**
Spike Init Wt./Vol.: 111 ug/kg Extract Vol: 5 mL
Dupe Init Wt./Vol.: Extract Vol:

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Matrix Spike Summary

Original Sample ID: 1245700017
MS Sample ID: 1792932 MS
MSD Sample ID: 1792933 MSD

Analysis Date: 11/09/2024 3:56
Analysis Date: 11/09/2024 4:12
Analysis Date: 11/09/2024 4:44
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700016, 1245700017, 1245700018, 1245700019, 1245700020, 1245700021, 1245700022, 1245700023, 1245700024

Results by **8270E SIM (PAH)**

		Matrix Spike (ug/kg)				Spike Duplicate (ug/kg)						
Parameter	Sample	Spike	Result	Rec (%)		Spike	Result	Rec (%)		CL	RPD (%)		RPD CL
1-Methylnaphthalene	11000	129	11737	536	*	130	11244	156	*	43-111	4.30		(< 20)
2-Methylnaphthalene	7860	129	8204	272	*	130	7923	56		39-114	3.50		(< 20)
Acenaphthene	197J	129	335J	107		130	316J	92		44-111	5.80		(< 20)
Acenaphthylene	411J	129	534J	95		130	539J	98		39-116	0.96		(< 20)
Anthracene	435U	129	216J	167	*	130	175J	135	*	50-114	20.90	*	(< 20)
Benzo(a)Anthracene	435U	129	435U	0	*	130	435U	0	*	54-122	0.00		(< 20)
Benzo[a]pyrene	435U	129	435U	0	*	130	435U	0	*	50-125	0.00		(< 20)
Benzo[b]Fluoranthene	435U	129	435U	0	*	130	435U	0	*	53-128	0.00		(< 20)
Benzo[g,h,i]perylene	435U	129	435U	0	*	130	435U	0	*	49-127	0.00		(< 20)
Benzo[k]fluoranthene	435U	129	435U	0	*	130	147J	113		56-123	0.00		(< 20)
Chrysene	435U	129	175J	135	*	130	174J	133	*	57-118	0.56		(< 20)
Dibenzo[a,h]anthracene	435U	129	435U	0	*	130	435U	0	*	50-129	0.00		(< 20)
Fluoranthene	435U	129	238J	184	*	130	306J	235	*	55-119	25.10	*	(< 20)
Fluorene	1390	129	1585	152	*	130	1538	113		47-114	3.20		(< 20)
Indeno[1,2,3-c,d] pyrene	435U	129	435U	0	*	130	435U	0	*	49-130	0.00		(< 20)
Naphthalene	2490	129	2864	283	*	130	2829	253	*	38-111	1.30		(< 20)
Phenanthrene	4380	129	4613	177	*	130	4448	55		49-113	3.50		(< 20)
Pyrene	435U	129	291J	225	*	130	290J	223	*	55-117	0.20		(< 20)
Surrogates													
2-Methylnaphthalene-d10 (surr)		129	245	190	*	130	195	150	*	63-126	23.00		
Fluoranthene-d10 (surr)		129	415	321	*	130	350	268	*	54-143	17.30		

Batch Information

Analytical Batch: XMS14687
Analytical Method: 8270E SIM (PAH)
Instrument: Agilent 8890 GC/MS SYA
Analyst: HBL
Analytical Date/Time: 11/9/2024 4:12:00AM

Prep Batch: XXX50593
Prep Method: Sonication Extr Soil 8270 PAH SIM 5ml
Prep Date/Time: 10/7/2024 10:06:00AM
Prep Initial Wt./Vol.: 22.67g
Prep Extract Vol: 5.00mL

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Method Blank

Blank ID: MB for HBN 1902332 [XXX/50701]
Blank Lab ID: 1796940

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700015

Results by **AK102**

Parameter	Results	LOQ/CL	DL	LOD	Units
Diesel Range Organics	9.51J	20.0	9.00	15.0	mg/kg
Surrogates					
5a Androstane (surr)	86.3	60-120		0	%

Batch Information

Analytical Batch: XFC17098
Analytical Method: AK102
Instrument: Agilent 7890B F
Analyst: T.L
Analytical Date/Time: 11/8/2024 12:30:00AM

Prep Batch: XXX50701
Prep Method: SW3550C
Prep Date/Time: 10/24/2024 9:21:00AM
Prep Initial Wt./Vol.: 22.5 g
Prep Extract Vol: 5 mL

Print Date: 11/18/2024 10:43:19AM

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [XXX50701]
Blank Spike Lab ID: 1796941
Date Analyzed: 11/08/2024 00:39

Spike Duplicate ID: LCSD for HBN 1245700 [XXX50701]
Spike Duplicate Lab ID: 1796942
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700015

Results by **AK102**

	Blank Spike (mg/kg)			Spike Duplicate (mg/kg)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Diesel Range Organics	1110	1190	107	1110	982	88	(75-125)	19.30	(< 20)
Surrogates									
5a Androstane (surr)	22.2		111	22.2		91	(60-120)	19.50	

Batch Information

Analytical Batch: **XFC17098**
Analytical Method: **AK102**
Instrument: **Agilent 7890B F**
Analyst: **T.L**

Prep Batch: **XXX50701**
Prep Method: **SW3550C**
Prep Date/Time: **10/24/2024 09:21**
Spike Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL
Dupe Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1902332 [XXX/50701]
Blank Lab ID: 1796940

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700015

Results by **AK103**

Parameter	Results	LOQ/CL	DL	LOD	Units
Residual Range Organics	75.0U	100	43.0	75.0	mg/kg
Surrogates					
n-Triacontane-d62 (surr)	85.5	60-120		0	%

Batch Information

Analytical Batch: XFC17098
Analytical Method: AK103
Instrument: Agilent 7890B F
Analyst: T.L
Analytical Date/Time: 11/8/2024 12:30:00AM

Prep Batch: XXX50701
Prep Method: SW3550C
Prep Date/Time: 10/24/2024 9:21:00AM
Prep Initial Wt./Vol.: 22.5 g
Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [XXX50701]
Blank Spike Lab ID: 1796941
Date Analyzed: 11/08/2024 00:39

Spike Duplicate ID: LCSD for HBN 1245700 [XXX50701]
Spike Duplicate Lab ID: 1796942
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700015

Results by **AK103**

	Blank Spike (mg/kg)			Spike Duplicate (mg/kg)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Residual Range Organics	1110	1250	112	1110	1010	91	(60-120)	21.30	* (< 20)
Surrogates									
n-Triacontane-d62 (surr)	22.2		109	22.2		94	(60-120)	14.70	

Batch Information

Analytical Batch: **XFC17098**
Analytical Method: **AK103**
Instrument: **Agilent 7890B F**
Analyst: **T.L**

Prep Batch: **XXX50701**
Prep Method: **SW3550C**
Prep Date/Time: **10/24/2024 09:21**
Spike Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL
Dupe Init Wt./Vol.: 22.2 mg/kg Extract Vol: 5 mL

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Method Blank

Blank ID: MB for HBN 1902334 [XXX/50702]
Blank Lab ID: 1796943

Matrix: Soil/Solid (dry weight)

QC for Samples:
1245700015

Results by **8270E SIM (PAH)**

Parameter	Results	LOQ/CL	DL	LOD	Units
1-Methylnaphthalene	18.8U	25.0	6.25	18.8	ug/kg
2-Methylnaphthalene	18.8U	25.0	6.25	18.8	ug/kg
Acenaphthene	18.8U	25.0	6.25	18.8	ug/kg
Acenaphthylene	18.8U	25.0	6.25	18.8	ug/kg
Anthracene	18.8U	25.0	6.25	18.8	ug/kg
Benzo(a)Anthracene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[a]pyrene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[b]Fluoranthene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[g,h,i]perylene	18.8U	25.0	6.25	18.8	ug/kg
Benzo[k]fluoranthene	18.8U	25.0	6.25	18.8	ug/kg
Chrysene	18.8U	25.0	6.25	18.8	ug/kg
Dibenzo[a,h]anthracene	18.8U	25.0	6.25	18.8	ug/kg
Fluoranthene	18.8U	25.0	6.25	18.8	ug/kg
Fluorene	18.8U	25.0	6.25	18.8	ug/kg
Indeno[1,2,3-c,d] pyrene	18.8U	25.0	6.25	18.8	ug/kg
Naphthalene	15.0U	20.0	5.00	15.0	ug/kg
Phenanthrene	18.8U	25.0	6.25	18.8	ug/kg
Pyrene	18.8U	25.0	6.25	18.8	ug/kg
Surrogates					
2-Methylnaphthalene-d10 (surr)	112	63-126		0	%
Fluoranthene-d10 (surr)	116	54-143		0	%

Batch Information

Analytical Batch: XMS14709
Analytical Method: 8270E SIM (PAH)
Instrument: Agilent 8890 GC/MS SYA
Analyst: HBL
Analytical Date/Time: 11/14/2024 4:33:00AM

Prep Batch: XXX50702
Prep Method: SW3550C
Prep Date/Time: 10/24/2024 9:21:00AM
Prep Initial Wt./Vol.: 22.5 g
Prep Extract Vol: 5 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 1245700 [XXX50702]
Blank Spike Lab ID: 1796944
Date Analyzed: 11/14/2024 04:49

Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700015

Results by **8270E SIM (PAH)**

	Blank Spike (ug/kg)				
Parameter	Spike	Result	Rec (%)		CL
1-Methylnaphthalene	111	117	106		(43-111)
2-Methylnaphthalene	111	112	100		(39-114)
Acenaphthene	111	125	112	*	(44-111)
Acenaphthylene	111	119	107		(39-116)
Anthracene	111	116	104		(50-114)
Benzo(a)Anthracene	111	115	103		(54-122)
Benzo[a]pyrene	111	109	98		(50-125)
Benzo[b]Fluoranthene	111	128	115		(53-128)
Benzo[g,h,i]perylene	111	111	100		(49-127)
Benzo[k]fluoranthene	111	124	112		(56-123)
Chrysene	111	126	113		(57-118)
Dibenzo[a,h]anthracene	111	113	102		(50-129)
Fluoranthene	111	120	108		(55-119)
Fluorene	111	117	105		(47-114)
Indeno[1,2,3-c,d] pyrene	111	105	94		(49-130)
Naphthalene	111	121	109		(38-111)
Phenanthrene	111	114	103		(49-113)
Pyrene	111	121	109		(55-117)
Surrogates					
2-Methylnaphthalene-d10 (surr)	111		115		(63-126)
Fluoranthene-d10 (surr)	111		116		(54-143)

Batch Information

Analytical Batch: **XMS14709**
Analytical Method: **8270E SIM (PAH)**
Instrument: **Agilent 8890 GC/MS SYA**
Analyst: **HBL**

Prep Batch: **XXX50702**
Prep Method: **SW3550C**
Prep Date/Time: **10/24/2024 09:21**
Spike Init Wt./Vol.: 111 ug/kg Extract Vol: 5 mL
Dupe Init Wt./Vol.: Extract Vol:

Matrix Spike Summary

Original Sample ID: 1246182009
MS Sample ID: 1796945 MS
MSD Sample ID: 1796946 MSD

Analysis Date: 11/14/2024 5:38
Analysis Date: 11/14/2024 5:54
Analysis Date: 11/14/2024 6:10
Matrix: Soil/Solid (dry weight)

QC for Samples: 1245700015

Results by **8270E SIM (PAH)**

		Matrix Spike (ug/kg)			Spike Duplicate (ug/kg)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
1-Methylnaphthalene	8.18J	139	139	94	139	152	104	43-111	8.90	(< 20)
2-Methylnaphthalene	9.78J	139	138	93	139	151	102	39-114	9.00	(< 20)
Acenaphthene	23.8U	139	139	101	139	151	109	44-111	7.90	(< 20)
Acenaphthylene	23.8U	139	128	92	139	143	103	39-116	11.70	(< 20)
Anthracene	23.8U	139	128	92	139	137	99	50-114	6.60	(< 20)
Benzo(a)Anthracene	23.8U	139	134	96	139	150	108	54-122	11.10	(< 20)
Benzo[a]pyrene	23.8U	139	124	89	139	136	98	50-125	8.90	(< 20)
Benzo[b]Fluoranthene	23.8U	139	131	94	139	148	106	53-128	12.70	(< 20)
Benzo[g,h,i]perylene	23.8U	139	120	86	139	132	95	49-127	9.70	(< 20)
Benzo[k]fluoranthene	23.8U	139	160	115	139	163	118	56-123	2.80	(< 20)
Chrysene	23.8U	139	139	100	139	151	109	57-118	7.90	(< 20)
Dibenzo[a,h]anthracene	23.8U	139	128	92	139	139	101	50-129	8.70	(< 20)
Fluoranthene	23.8U	139	136	97	139	147	106	55-119	8.40	(< 20)
Fluorene	23.8U	139	129	93	139	139	100	47-114	7.50	(< 20)
Indeno[1,2,3-c,d] pyrene	23.8U	139	116	84	139	126	91	49-130	8.20	(< 20)
Naphthalene	11.2J	139	151	100	139	157	105	38-111	4.00	(< 20)
Phenanthrene	23.8U	139	128	92	139	142	102	49-113	10.00	(< 20)
Pyrene	23.8U	139	137	99	139	152	110	55-117	10.50	(< 20)
Surrogates										
2-Methylnaphthalene-d10 (surr)		139	143	103	139	152	110	63-126	6.10	
Fluoranthene-d10 (surr)		139	144	104	139	156	112	54-143	7.90	

Batch Information

Analytical Batch: XMS14709
Analytical Method: 8270E SIM (PAH)
Instrument: Agilent 8890 GC/MS SYA
Analyst: HBL
Analytical Date/Time: 11/14/2024 5:54:00AM

Prep Batch: XXX50702
Prep Method: Sonication Extr Soil 8270 PAH SIM 5ml
Prep Date/Time: 10/24/2024 9:21:00AM
Prep Initial Wt./Vol.: 22.80g
Prep Extract Vol: 5.00mL

Print Date: 11/18/2024 10:43:37AM

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1245700

Profile #: 4127606 Int.: JM

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Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Section 1

CLIENT: ESKER ASSOCIATES	
CONTACT: ADAM JOHNSON / LAUREN HEMMINGS	PHONE #:
PROJECT NAME: 6474 - ELIM SHOP	Project/Permit Number:
REPORTS TO:	NPDL Number(DOD):
INVOICE TO:	E-MAIL: adam@eskerassociates.com
	QUOTE #:
	P.O. #:

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Sample Type: Comp / Grab / MI	Analysis* AK101 (GRO) MeOH	AK102 (DRO)	AK103 (ORO)	8260D (VOC) MeOH	8270 (PAH)	6020 (Metals)
1AB	24ELISO-TP03-7.0	9/25/24	1420	SOIL	3	Grab	X	X	X	X	X	X
2AB	24ELISO-TP02-9.5	09/25/24	1543	Soil	2		X	X	X	X	X	X
3AB	24ELISO-TP08-1.0	09/25/24	16:10	Soil	2		X	X	X	X	X	X
4AB	24ELISO-TP08-6.0	09/25/24	16:25	Soil	2		X	X	X	X	X	X
5AB	24ELISO-TP99-1.0	09/25/24	07:00	Soil	2		X	X	X	X	X	X
6AB	24ELISO-TP20-2.0	09/25/24	17:23	SOIL	2		X	X	X	X	X	X
7AB	24ELISO-TP14-8.0	09/26/24	08:55	SOIL	2	Grab	X	X	X	X	X	X
8AB	24ELISO-TP13-9.0		1115	SOIL			X	X	X	X	X	X
9AB	24ELISO-TP00-9.0		1200	SOIL			X	X	X	X	X	X
10AB	24ELISO-TP10-3.0		1340	SOIL			X	X	X	X	X	X
11AB	24ELISO-TP09-10.0		1533	SOIL			X	X	X	X	X	X

Comments:

NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS

REMARKS/LOC ID:
- 1AB: RCRA Metals
- 2AB: "
- 3AB: HOT Sample RCRA
- 4AB: RCRA
- 5AB: HOT Sample RCRA
- 6AB: RCRA Metals

Section 4

DOD Project? YES (NO)

Data Deliverables Requested: DataView, Level 4, SEDD, ERPIMS, EQUIS, Other: 2A

Turnaround Time Requested: (Standard), Rush, Requested Rush Report Date:

SGS Sample Receipt (Lab Use Only)

Delivery Method: (Client), Commercial

Did each cooler have a corresponding COC? (Yes) No

Chain of Custody Seal Condition: (INTACT) BROKEN ABSENT

COC Seal Location(s): FIR

Section 5

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	Cooler ID	Temperature (°C)	Therm. ID
	9/29/24	7:30am		1.	1.4	D21
				2.		
				3.		
	9/30/24	0657	RECEIVED BY			

If more than three coolers are received, or for documentation of non-compliant coolers, use form FS-0029.

Note: If temp. is outside 0-6 ° and samples were not taken <8 hours ago OR are waste samples, Client or PM should initial here or attach an email change order to proceed with analysis. If ice is present, note on form F102B.

Initials:

Laboratory Use Only

http://www.sgs.com/terms-and-conditions

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CHAIN OF CUSTODY RECORD

1245700

Profile #: Int.:

Page 2 of 3

Section 1

CLIENT:

CONTACT: PHONE #:

PROJECT NAME: 6424 - Ellm City Stop

Project/Permit Number:

NPDL Number(DOD):

REPORTS TO: E-MAIL:

INVOICE TO: QUOTE #:

P.O. #:

Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Section 3 Preservative

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Sample Type: Comp / Grab / MI	Analysis*: MeOH (GRO)	MeOH (DRO)	MeOH (DRO)	8260 (VOC)	8270 (SVOC)	6020 (Metals)					REMARKS/LOC ID
12AB	24ESISO-TP05-4.0	09/26/24	1035	SOIL	2	Grab	X	X	X	X	X	X					RCRA Metals
13AB	24ELISO-TP12-9.0		1715				X	X	X	X	X	X					
14AB	24ELISO-TP17D-9.0		1716				X	X	X	X	X	X					
15A	24ELISO-TP11-9.0	09/27/24	0900	SOIL	2	Grab	X	X	X	X	X	X					RCRA Metals
16AB	24ELISO-TP16-2.0		0930														
17AB	24ELISO-TP16D-2.0		0931														
18AB	24ELISO-TP16-5.0		0948														
19AB	24ELISO-TP19-1.0		1005														
20AB	24ELISO-TP21-7.0		1105														
21AB	24ELISO-TP04-8.0		1415														

NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS

Comments:

Section 4

DOD Project? YES (NO)

Data Deliverables Requested: DataView, Level 4, SEDD, ERPIMS, EQUIS, Other: 2A

Turnaround Time Requested: (Standard), Rush, Requested Rush Report Date:

SGS Sample Receipt (Lab Use Only)

Delivery Method: (Client), Commercial

Did each cooler have a corresponding COC? (Yes) No

Chain of Custody Seal Condition: (INTACT), BROKEN, ABSENT

COC Seal Location(s): LF IR

Section 5

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	9/27/24	1653	

Laboratory Use Only

Cooler ID	Temperature (°C)	Therm. ID
1.	See pl	
2.		
3.		

If more than three coolers are received, or for documentation of non-compliant coolers, use form FS-0029.

Note: If temp is outside 0-6° and samples were not taken <8 hours ago OR are waste samples, Client or PM should initial here or attach an email change order to proceed with analysis. If ice is present, note on form F102B.

Intials:

1245700

SGS

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CHAIN OF CUSTODY RECORD

SGS I
200 W
Archc
engac
www.us.sgs.com

Profile #: Int.:

Instructions: Sections 1 - 5 must be filled out. Omissions may delay the onset of analysis.

Section 1

CLIENT:	
CONTACT:	PHONE #:
PROJECT NAME: 6474 - ELLIS CITY SITE	Project/Permit Number:
REPORTS TO:	NPDL Number(DOD):
INVOICE TO:	E-MAIL:
	QUOTE #:
	P.O. #:

Section 2

RESERVED for lab use	SAMPLE IDENTIFICATION	DATE mm/dd/yy	TIME HH:MM	MATRIX/ MATRIX CODE	# CONTAINERS	Sample Type: Comp / Grab / MI	Analysis*: MeOH (AK101 GRO)	MeOH (AK102 DRO)	(AK103 ORO)	(8260D VOC)	(8270 PAH)	(6020 Metals)				NOTE: *The following analyses require specific method and/or compound list: BTEX, Metals, PFAS. REMARKS/LOC ID
21AB	24ELIS0-TP01-5.0	09/27/24	1420	Soil	2	Grab	X	X	X	X	X	X				RCRA Metals
22AB	24ELIS0-TP17-6.0	↓	1530	↓	↓	↓	↓	↓	↓	↓	↓	↓				↓
23AB	24ELIS0-TP15-5.5	↓	1700	↓	↓	↓	↓	↓	↓	↓	↓	↓				↓
	VW10-7b-13	08/30/24					X	X	X	X	X	X				Trip Blank

Comments:

Section 4

DOD Project? YES (NO)

Data Deliverables Requested

DataView / Level 4 — SEDD / ERPIMS — EQUIS / Other: 2A

Turnaround Time Requested: (Standard) / Rush

Requested Rush Report Date:

SGS Sample Receipt (Lab Use Only)

Delivery Method: (Client) / Commercial

Did each cooler have a corresponding COC? (Yes) / No

Chain of Custody Seal Condition: (INTACT) / BROKEN / ABSENT

COC Seal Location(s): LFIR

Section 5

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	9/30/24	1653	

Laboratory Use Only

Cooler ID	Temperature (°C)	Therm. ID
1.	Soil	
2.		
3.		

If more than three coolers are received, or for documentation of non-compliant coolers, use form FS-0029.

Note: If temp is outside 0-6 ° and samples were not taken <8 hours ago OR are waste samples, Client or PM should initial here or attach an email change order to proceed with analysis. If ice is present, note on form F102B.

Initials:

SGS

SAMPLE RECEIPT FORM

1245700

Project Manager Completion				
Was all necessary information recorded on the COC upon receipt? (Temperature, COC seals, etc.?)	(Yes)	No	N/A	
Was temperature between 0-6° C?	(Yes)	No	N/A	If "No", are the samples either exempt* or sampled <8 hours prior to receipt?
Were all analyses received within holding time*?	(Yes)	No	N/A	
Was a method specified for each analysis, where applicable? If no, please note correct methods.	(Yes)	No	N/A	
Are compound lists specified, where applicable? For project specific or special compound lists please note correct analysis code.	Yes	No	(N/A)	
If rush was requested by the client, was the requested TAT approved?	Yes	No	(N/A)	If "NO", what is the approved TAT?
If SEDD Deliverables are required, were Location ID's and an NPDL Number provided?	Yes	No	(N/A)	*If "NO", contact client for information.*
Sample Login Completion				
Do ID's on sample containers match COC?	(Yes)	No	N/A	
If provided on containers, do dates/times collected match COC?	(Yes)	No	N/A	Note: If times differ <1 hr., record details below and login per COC.
Were all sample containers received in good condition?	(Yes)	(No)	N/A	Sample 15 missing unpres., logged as matrix 7
Were proper containers (type/mass/volume/preservative) received for all samples? **See form F-083 "Sample Guide"*	(Yes)	No	N/A	*Note: If 200.8/6020 Total Metals are received unpreserved, preserve, and note HNO3 lot here: If 200.8/6020 Dissolved Metals are received unpreserved, log in for LABFILTER and do not preserve. For all non-metals methods, inform Project Manager.*
Were Trip Blanks (VOC, GRO, Low-Level Hg, etc.) received with samples, where applicable*?	Yes	(No)	N/A	on COC, but not recieved
Were all VOA vials free of headspace >6mm?	Yes	No	(N/A)	
Were all soil VOA samples received field extracted with Methanol?	(Yes)	No	N/A	
Did all soil VOA samples have an accompanying unpreserved container for % solids?	(Yes)	No	N/A	
If special handling is required, were containers labelled appropriately? e.g. MI/ISM, foreign soils, lab filter, Ref Lab, limited volume	Yes	No	(N/A)	
For Rush/Short Holding time, was the lab notified?	Yes	No	(N/A)	
For any question answered "NO", was the Project Manager notified?	(Yes)	No	N/A	PM Initials:
Was Peer Review of sample numbering/labelling completed?	(Yes)	No	N/A	Reviewer Initials: CJV

Additional Notes/Clarification where Applicable, including resolution of "No" answers when a change order is not attached:

Sample Containers and Preservatives

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition
1245700001-A	No Preservative Required	OK	1245700025-A	Methanol field pres. 4 C	OK
1245700001-B	Methanol field pres. 4 C	OK	1245700026-A	Methanol field pres. 4 C	OK
1245700001-C	No Preservative Required	OK			
1245700002-A	No Preservative Required	OK			
1245700002-B	Methanol field pres. 4 C	OK			
1245700003-A	No Preservative Required	OK			
1245700003-B	Methanol field pres. 4 C	OK			
1245700004-A	No Preservative Required	OK			
1245700004-B	Methanol field pres. 4 C	OK			
1245700005-A	No Preservative Required	OK			
1245700005-B	Methanol field pres. 4 C	OK			
1245700006-A	No Preservative Required	OK			
1245700006-B	Methanol field pres. 4 C	OK			
1245700007-A	No Preservative Required	OK			
1245700007-B	Methanol field pres. 4 C	OK			
1245700008-A	No Preservative Required	OK			
1245700008-B	Methanol field pres. 4 C	OK			
1245700009-A	No Preservative Required	OK			
1245700009-B	Methanol field pres. 4 C	OK			
1245700010-A	No Preservative Required	OK			
1245700010-B	Methanol field pres. 4 C	OK			
1245700011-A	No Preservative Required	OK			
1245700011-B	Methanol field pres. 4 C	OK			
1245700012-A	No Preservative Required	OK			
1245700012-B	Methanol field pres. 4 C	OK			
1245700013-A	No Preservative Required	OK			
1245700013-B	Methanol field pres. 4 C	OK			
1245700014-A	No Preservative Required	OK			
1245700014-B	Methanol field pres. 4 C	OK			
1245700015-A	Methanol field pres. 4 C	OK			
1245700015-B	No Preservative Required	OK			
1245700016-A	No Preservative Required	OK			
1245700016-B	Methanol field pres. 4 C	OK			
1245700017-A	No Preservative Required	OK			
1245700017-B	Methanol field pres. 4 C	OK			
1245700018-A	No Preservative Required	OK			
1245700018-B	Methanol field pres. 4 C	OK			
1245700019-A	No Preservative Required	OK			
1245700019-B	Methanol field pres. 4 C	OK			
1245700020-A	No Preservative Required	OK			
1245700020-B	Methanol field pres. 4 C	OK			
1245700021-A	No Preservative Required	OK			
1245700021-B	Methanol field pres. 4 C	OK			
1245700022-A	No Preservative Required	OK			
1245700022-B	Methanol field pres. 4 C	OK			
1245700023-A	No Preservative Required	OK			
1245700023-B	Methanol field pres. 4 C	OK			
1245700024-A	No Preservative Required	OK			
1245700024-B	Methanol field pres. 4 C	OK			

Container Id	Preservative	Container Condition	Container Id	Preservative	Container Condition

Container Condition Glossary

Containers for bacteriological, low level mercury and VOA vials are not opened prior to analysis and will be assigned condition code OK unless evidence indicates than an inappropriate container was submitted.

OK - The container was received at an acceptable pH for the analysis requested.
BU - The container was received with headspace greater than 6mm.
DM - The container was received damaged.
FR - The container was received frozen and not usable for Bacteria or BOD analyses.
IC - The container provided for microbiology analysis was not a laboratory-supplied, pre-sterilized container and therefore was not suitable for analysis.
NC- The container provided was not preserved or was under-preserved. The method does not allow for additional preservative added after collection.
PA - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt and the container is now at the correct pH. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
PH - The container was received outside of the acceptable pH for the analysis requested. Preservative was added upon receipt, but was insufficient to bring the container to the correct pH for the analysis requested. See the Sample Receipt Form for details on the amount and lot # of the preservative added.
QN - Insufficient sample quantity provided.

Appendix G

Laboratory Data Review Checklist

ADEC Contaminated Sites Program Laboratory Data Review Checklist

Completed By:	Adam Johnson	**CS Site Name:**	Elim City Shop	**Lab Name:**	SGS
Title:	Env. Scientist	**ADEC File No.:**	600.38.007	**Lab Report No.:**	1245700
Consulting Firm:	Esker Associates	**Hazard ID No.:**	25510	**Lab Report Date:**	11/19/24

Note: *Any N/A or No box checked must have an explanation in the comments box.*

1. **Laboratory**

   a. Did an ADEC Contaminated Sites Laboratory Approval Program (CS-LAP) approved laboratory receive and perform all of the submitted sample analyses?
   Yes ☒ No ☐ N/A ☐
   Comments: N/A

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses CS-LAP approved?
   Yes ☐ No ☐ N/A ☒
   Comments: Samples were not transferred to another laboratory.

2. **Chain of Custody (CoC)**

   a. Is the CoC information completed, signed, and dated (including released/received by)?
   Yes ☐ No ☒ N/A ☐
   Comments: The COC lists sample IDs, dates, times, sample types, and sample matrices. The sampler relinquished the coolers with a signature on the first page of the COC. However, subsequent pages were not signed.

   b. Were the correct analyses requested?
   Yes ☒ No ☐ N/A ☐
   Analyses requested: GRO, DRO, RRO, VOCs, PAHs, Metals
   Comments: N/A

3. **Laboratory Sample Receipt Documentation**

   a. Is the sample/cooler temperature documented and within range at receipt (0° to 6° C)?
   Yes ☒ No ☐ N/A ☐

Cooler temperature(s): The listed cooler temperature was 1.6 °C.
Sample temperature(s): Click or tap here to enter text.
Comments: Click or tap here to enter text.

b. Is the sample preservation acceptable – acidified waters, methanol preserved soil (GRO, BTEX, VOCs, etc.)?
Yes ☒ No ☐ N/A ☐
Comments: Samples were listed as properly preserved, or no preservation was required.

c. Is the sample condition documented – broken, leaking, zero headspace (VOA vials); canister vacuum/pressure checked and no open valves, etc.?
Yes ☐ No ☒ N/A ☐
Comments: Most of the samples arrived at the laboratory in good condition. One exception was SGS sample 15, for which the unpreserved container was missing. This is soil sample 24ELI-TP11 (9').

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, canister not holding a vacuum, etc.?
Yes ☒ No ☐ N/A ☐
Comments: The SGS sample receipt form indicated that a trip blank was noted on the COC but was not received at the laboratory.

e. Is the data quality or usability affected?
Yes ☒ No ☐ N/A ☐
Comments: The lack of a trip blank prevents evaluations of potential cross-contamination of samples during sample handling or transport. Nevertheless, we believe that the analytical results can be used to identify areas of soil impacts.

4. Case Narrative

a. Is the case narrative present and understandable?
Yes ☒ No ☐ N/A ☐
Comments: N/A

b. Are there discrepancies, errors, or QC failures identified by the lab?
Yes ☒ No ☐ N/A ☐
Comments: The narrative identified several instances in which QC results were outside of laboratory limits.

c. Were all the corrective actions documented?
Yes ☒ No ☐ N/A ☐
Comments: Constituents for several samples were re-analyzed. In other cases, the lab referred to other QC results for accuracy requirements.

d. What is the effect on data quality/usability according to the case narrative?
Comments: In some cases, results in the natural samples are considered estimated. Several samples were analyzed after the hold time had expired due to a laboratory error. These results may be biased low.

5. Sample Results

a. Are the correct analyses performed/reported as requested on CoC?
Yes ☒ No ☐ N/A ☐
Comments: N/A

b. Are all applicable holding times met?
Yes ☐ No ☒ N/A ☐
Comments: Most hold times were met. Exceptions include sample TP09 (10') for VOCs and TP11 (9') for DRO and RRO.

c. Are all soils reported on a dry weight basis?
Yes ☒ No ☐ N/A ☐
Comments: N/A

d. Are the reported limits of quantitation (LoQ) or limits of detections (LOD), or reporting limits (RL) less than the Cleanup Level or the action level for the project?
Yes ☒ No ☐ N/A ☐
Comments: LODs for GRO, DRO, RRO were below cleanup levels. Most VOCs, PAHs, and metals LODs were below their respective cleanup levels.

e. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: Click or tap here to enter text.

6. QC Samples

a. Method Blank

i. Was one method blank reported per matrix, analysis, and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: N/A

ii. Are all method blank results less than LOQ (or RL)?
Yes ☒ No ☐
Comments: N/A

iii. If above LoQ or RL, what samples are affected?
Comments: N/A

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☐ No ☒ N/A ☐
Comments: N/A

v. Data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: N/A

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – Are one LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
Yes ☒ No ☐ N/A ☐
Comments: N/A

ii. Metals/Inorganics – Are one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: N/A

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)
Yes ☐ No ☒ N/A ☐
Comments: Some LCS and/or LCSD recoveries for GRO, RRO, chrysene, and acenaphthene were outside of QC criteria.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? Was the RPD reported from LCS/LCSD, and or sample/sample duplicate? (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
Yes ☐ No ☒ N/A ☐
Comments: The LCS and/or LCSD RPDs for GRO and RRO were outside of QC criteria.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: The lab report did not identify particular natural samples that are affected.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☐ No ☒ N/A ☐

Comments: N/A

vii. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: N/A

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

i. Organics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: N/A

ii. Metals/Inorganics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: N/A

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?
Yes ☐ No ☒ N/A ☐
Comments: MS and/or MSD recoveries for several PAHs, metals, and VOCs were outside of QC criteria.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate.
Yes ☐ No ☒ N/A ☐
Comments: MS and/or MSD RPD values for several PAHs and metals were outside of QC criteria.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: Several natural soil samples are affected.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: The affected sample results have been flagged with an asterisk as a data qualifier. The qualifier is defined as follows: “The analyte has exceeded allowable regulatory or control limits”

vii. Is the data quality or usability affected?
Yes ☒ No ☐ N/A ☐

Comments: In some cases, analytical results may be affected, but we do not believe that the overall report findings and conclusions have been impacted by the discrepancies.

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

i. Are surrogate/IDA recoveries reported for organic analyses – field, QC, and laboratory samples?
Yes ☒ No ☐ N/A ☐
Comments: N/A

ii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages)
Yes ☐ No ☒ N/A ☐
Comments: Surrogate recoveries for several analytes are outside of laboratory control limits.

iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: The affected sample results have been flagged with an asterisk as a data qualifier. The qualifier is defined as follows: “The analyte has exceeded allowable regulatory or control limits”

iv. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☐
Comments: In some cases, analytical results may be affected, but we do not believe that the overall report findings and conclusions have changed because of the discrepancies.

e. Trip Blanks

i. Is one trip blank reported per matrix, analysis, and for each cooler containing volatile samples? Yes ☐ No ☒ N/A ☐
Comments: A trip blank was listed on the COC but according to the lab’s sample receipt form, no trip blanks were received.

ii. Are all results less than LoQ or RL?
Yes ☐ No ☐ N/A ☒
Comments: No trip blank received.

iii. If above LoQ or RL, what samples are affected?
Comments: N/A

iv. Is the data quality or usability affected?
Yes ☒ No ☐ N/A ☐
Comments: In a general sense, there is no way to evaluate whether the natural samples were contaminated during the sampling or transportation process. However, this does not mean that the data are unusable.

f. Field Duplicate

i. Are one field duplicate submitted per matrix, analysis, and 10 project samples?
Yes ☒ No ☐ N/A ☐
Comments: N/A

ii. Was the duplicate submitted blind to lab?
Yes ☒ No ☐ N/A ☐
Comments: N/A

iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water or air, 50% soil)

$$RPD\ (\%) = \left| \frac{R_1 - R_2}{\left(\frac{R_1 + R_2}{2}\right)} \right| X\ 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes ☒ No ☐ N/A ☐
Comments: RPDs were calculated for 51 sample-DUP pairs, including GRO, DRO, RRO, VOCs, PAHs, and metals. RPD values ranged from 1% to 41%, a range which falls within the objective above.

iv. Is the data quality or usability affected? (Explain)
Yes ☐ No ☒ N/A ☐
Comments: All RPD values are within the specified threshold.

g. Decontamination or Equipment Blanks

i. Were decontamination or equipment blanks collected?
Yes ☐ No ☒ N/A ☐
Comments: N/A

ii. Are all results less than LoQ or RL?
Yes ☐ No ☐ N/A ☒
Comments: N/A

iii. If above LoQ or RL, specify what samples are affected.

Comments: N/A

iv. Are data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: Soil samples were collected using new disposable sample equipment.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Are they defined and appropriate?
Yes ☐ No ☐ N/A ☒
Comments: N/A