

 **ANALYTICAL REPORT****PREPARED FOR**

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JOB DESCRIPTION

Oregon Military Dept - Glass Facility Ta

JOB NUMBER

570-203269-1

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Job Notes

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Authorization



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Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	8
Client Sample Results	14
Surrogate Summary	92
QC Sample Results	98
QC Association Summary	152
Lab Chronicle	167
Certification Summary	182
Method Summary	183
Sample Summary	184
Chain of Custody	185
Receipt Checklists	189

Definitions/Glossary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

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

Case Narrative

Client: GHD Services Inc.
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Job ID: 570-203269-1

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Job Narrative 570-203269-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/17/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C.

GC/MS VOA

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-494033. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260C: The following sample(s) were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: EWBV6-W (570-203269-25).

Method 8260C: The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in batch 570-494033 was outside criteria for the following analyte(s): Acetone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-493589. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260C: The continuing calibration verification (CCV) associated with batch 570-493589 recovered above the upper control limit for cis-1,3-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: IGGESV-0 (570-203269-1), OTEWSV-4 (570-203269-4), UOSVB1-S (570-203269-5), UOSVB1-I (570-203269-6), UOSVB1-D (570-203269-7), UOSVB2-S (570-203269-8), UOSVB2-I (570-203269-9), UOSVB2-D (570-203269-10), UOSVB3-S (570-203269-11) and (CCVIS 570-493589/1007).

Method 8260C: The continuing calibration verification (CCV) associated with batch 570-492773 recovered above the upper control limit for Bromomethane, Chloroethane, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GCSTD (570-203269-3) and (CCVIS 570-492773/2).

Method 8260C: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 570-492773: Acetone. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. There is insufficient sample volume for re-analysis; therefore, the data have been reported. The associated samples contained detections for the following analytes: Acetone.

Method 8260C: The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in batch 570-492773 was outside criteria for the following analyte(s): 4-Methyl-2-pentanone (MIBK) and Acetone. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-492773. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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Case Narrative

Client: GHD Services Inc.
Project: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Job ID: 570-203269-1 (Continued)

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Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 570-492773 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following sample was analyzed via a low-level analysis and a high-level (i.e., methanol extract) analysis. The low-level analysis resulted in a value for Acetone above the upper calibration range. The high-level analysis resulted in a non-detect for this analyte in the lowest possible dilution utilized. The results from the low-level analysis are provided and have been flagged as estimated. GCSTD (570-203269-3)

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: IGGESV-0 (570-203269-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The minimum response factor (RF) criteria for the initial calibration (ICAL) analyzed in batch 570-493589 was outside criteria for the following analyte(s): 4-Methyl-2-pentanone (MIBK). As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-494076. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: IGGESV-6 (570-203269-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 570-494076: cis-1,3-Dichloropropene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

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

GC VOA

Method NWTPH_Gx: The following samples were diluted due to the nature of the sample matrix: IGGESV-0 (570-203269-1), IGGESV-6 (570-203269-2), GCSTD (570-203269-3) and OTEWSV-4 (570-203269-4). Elevated reporting limits (RLs) are provided.

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

Hydrocarbons

Method NWTPH_Dx: The following samples formed emulsions during the extraction procedure: EWVB5-W (570-203269-21), EWVB6-W (570-203269-25) and IDW-W (570-203269-29). The emulsions were broken up using centrifugation and Na2SO4.

Method NWTPH_Dx: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-493126. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method NWTPH_Dx: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: IGGESV-6 (570-203269-2). The reporting limits (RLs) have been adjusted proportionately. The initial mass was changed from 10g to 5g.

Method NWTPH_Dx: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: GCSTD (570-203269-3) and OTEWSV-4 (570-203269-4). The reporting limits (RLs) have been adjusted proportionately. The initial mass was changed from 10g to 1g.

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

Pesticides

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

Metals

Method 6010B: The continuing calibration blank (CCB) for analytical batch 570-493180 contained Arsenic above the reporting limit

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Case Narrative

Client: GHD Services Inc.
Project: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Job ID: 570-203269-1 (Continued)

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(RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-492920 and analytical batch 570-493180 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 6010B - TCLP: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-493552, 570-493591 and 570-493617 and analytical batch 570-493897 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 6010B - TCLP: The laboratory control sample duplicate (LCSD) for preparation batch 570-493552 and 570-493617 and analytical batch 570-493897 recovered outside control limits for the following analytes: Barium and Chromium. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 6010B - TCLP: Insufficient samples were provided to perform the leaching procedure with the required 100g for the following samples: IGGESV-6 (570-203269-2) and GCSTD (570-203269-3). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

Method 6010B - TCLP: The matrix spike (MS) recoveries for preparation batch 570-494172 and 570-494547 and analytical batch 570-494758 were outside control limits for Barium. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 7470A - TCLP: Insufficient samples were provided to perform the leaching procedure with the required 100g for the following samples: IGGESV-6 (570-203269-2) and GCSTD (570-203269-3). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

Method 7471A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-492974 and analytical batch 570-493092 recovered outside control limits for the following analytes: Mercury.

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

General Chemistry

Method MOISTURE_2540G: The sample duplicate (DUP) precision was outside control limits. Sample duplicate interference and/or non-homogeneity are suspected but the precision was within acceptance limits.

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

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Detection Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: IGGESV-0

Lab Sample ID: 570-203269-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range - DL	130		25	mg/Kg	5	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range - DL	1100		25	mg/Kg	5	✳	NWTPH-Dx	Total/NA
Barium	2.89	F1	0.100	mg/L	1		6010B	TCLP

Client Sample ID: IGGESV-6

Lab Sample ID: 570-203269-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range - DL	1100		110	mg/Kg	10	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range - DL	8000		110	mg/Kg	10	✳	NWTPH-Dx	Total/NA
Barium	0.134		0.100	mg/L	1		6010B	TCLP

Client Sample ID: GCSTD

Lab Sample ID: 570-203269-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	95		63	ug/Kg	1	✳	8260C	Total/NA
Acetone	630	E	63	ug/Kg	1	✳	8260C	Total/NA
Benzene	46		3.2	ug/Kg	1	✳	8260C	Total/NA
tert-Butyl alcohol (TBA)	140		63	ug/Kg	1	✳	8260C	Total/NA
Toluene	25		3.2	ug/Kg	1	✳	8260C	Total/NA
TPH as Diesel Range - DL	2600		440	mg/Kg	10	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range - DL	9200		440	mg/Kg	10	✳	NWTPH-Dx	Total/NA
Barium	1.55		0.100	mg/L	1		6010B	TCLP

Client Sample ID: OTEWSV-4

Lab Sample ID: 570-203269-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	150		34	ug/Kg	1	✳	8260C	Total/NA
TPH as Diesel Range	720		47	mg/Kg	1	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range	4100		47	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Barium	3.02		0.100	mg/L	1		6010B	TCLP

Client Sample ID: UOSVB1-S

Lab Sample ID: 570-203269-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Barium	84.5		3.50	mg/Kg	5	✳	6010B	Total/NA
Chromium	29.7		1.17	mg/Kg	5	✳	6010B	Total/NA
Copper	48.9		2.33	mg/Kg	5	✳	6010B	Total/NA
Lead	5.52		2.33	mg/Kg	5	✳	6010B	Total/NA
Nickel	20.1		2.33	mg/Kg	5	✳	6010B	Total/NA
Zinc	28.9		5.84	mg/Kg	5	✳	6010B	Total/NA

Client Sample ID: UOSVB1-I

Lab Sample ID: 570-203269-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range	7.3		5.6	mg/Kg	1	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range	7.8		5.6	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Arsenic	5.00		3.43	mg/Kg	5	✳	6010B	Total/NA
Barium	162		3.43	mg/Kg	5	✳	6010B	Total/NA
Chromium	54.7		1.14	mg/Kg	5	✳	6010B	Total/NA
Copper	63.4		2.28	mg/Kg	5	✳	6010B	Total/NA
Nickel	28.6		2.28	mg/Kg	5	✳	6010B	Total/NA
Zinc	35.5		5.71	mg/Kg	5	✳	6010B	Total/NA
Mercury	0.0931	*1	0.0906	mg/Kg	1	✳	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB1-D

Lab Sample ID: 570-203269-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	30		26	ug/Kg	1	✳	8260C	Total/NA
TPH as Diesel Range	5.4		5.4	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Barium	113		3.28	mg/Kg	5	✳	6010B	Total/NA
Chromium	41.9		1.09	mg/Kg	5	✳	6010B	Total/NA
Copper	50.2		2.19	mg/Kg	5	✳	6010B	Total/NA
Nickel	22.3		2.19	mg/Kg	5	✳	6010B	Total/NA
Zinc	38.5		5.47	mg/Kg	5	✳	6010B	Total/NA

Client Sample ID: UOSVB2-S

Lab Sample ID: 570-203269-8

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17		16	ug/Kg	1	✳	8260C	Total/NA
TPH as Diesel Range	16		6.0	mg/Kg	1	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range	59		6.0	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Arsenic	4.68		3.61	mg/Kg	5	✳	6010B	Total/NA
Barium	91.5		3.61	mg/Kg	5	✳	6010B	Total/NA
Chromium	43.6		1.20	mg/Kg	5	✳	6010B	Total/NA
Copper	49.8		2.41	mg/Kg	5	✳	6010B	Total/NA
Lead	6.98		2.41	mg/Kg	5	✳	6010B	Total/NA
Nickel	28.7		2.41	mg/Kg	5	✳	6010B	Total/NA
Zinc	36.9		6.01	mg/Kg	5	✳	6010B	Total/NA

Client Sample ID: UOSVB2-I

Lab Sample ID: 570-203269-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range	6.3		5.5	mg/Kg	1	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range	6.3		5.5	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Barium	108		3.35	mg/Kg	5	✳	6010B	Total/NA
Chromium	40.0		1.12	mg/Kg	5	✳	6010B	Total/NA
Copper	46.1		2.23	mg/Kg	5	✳	6010B	Total/NA
Nickel	21.0		2.23	mg/Kg	5	✳	6010B	Total/NA
Zinc	41.9		5.58	mg/Kg	5	✳	6010B	Total/NA

Client Sample ID: UOSVB2-D

Lab Sample ID: 570-203269-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26		23	ug/Kg	1	✳	8260C	Total/NA
Arsenic	4.89		3.37	mg/Kg	5	✳	6010B	Total/NA
Barium	430		3.37	mg/Kg	5	✳	6010B	Total/NA
Chromium	33.9		1.12	mg/Kg	5	✳	6010B	Total/NA
Copper	55.9		2.25	mg/Kg	5	✳	6010B	Total/NA
Lead	8.94		2.25	mg/Kg	5	✳	6010B	Total/NA
Nickel	49.9		2.25	mg/Kg	5	✳	6010B	Total/NA
Zinc	73.9		5.62	mg/Kg	5	✳	6010B	Total/NA
Barium	1.23		0.100	mg/L	1		6010B	TCLP

Client Sample ID: UOSVB3-S

Lab Sample ID: 570-203269-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	29		23	ug/Kg	1	✳	8260C	Total/NA
Toluene	5.1		1.2	ug/Kg	1	✳	8260C	Total/NA
TPH as Diesel Range	15		6.1	mg/Kg	1	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range	230		6.1	mg/Kg	1	✳	NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB3-S (Continued)

Lab Sample ID: 570-203269-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.66		3.65	mg/Kg	5	✳	6010B	Total/NA
Barium	69.0		3.65	mg/Kg	5	✳	6010B	Total/NA
Chromium	49.8		1.22	mg/Kg	5	✳	6010B	Total/NA
Copper	40.1		2.43	mg/Kg	5	✳	6010B	Total/NA
Lead	4.17		2.43	mg/Kg	5	✳	6010B	Total/NA
Nickel	36.0		2.43	mg/Kg	5	✳	6010B	Total/NA
Zinc	41.1		6.09	mg/Kg	5	✳	6010B	Total/NA
Barium	1.33		0.100	mg/L	1		6010B	TCLP

Client Sample ID: UOSVB3-I

Lab Sample ID: 570-203269-12

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.6		1.4	ug/Kg	1	✳	8260C	Total/NA
TPH as Motor Oil Range	14		5.8	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Barium	83.5		3.49	mg/Kg	5	✳	6010B	Total/NA
Chromium	42.1		1.16	mg/Kg	5	✳	6010B	Total/NA
Copper	48.3		2.33	mg/Kg	5	✳	6010B	Total/NA
Nickel	23.9		2.33	mg/Kg	5	✳	6010B	Total/NA
Zinc	24.7		5.82	mg/Kg	5	✳	6010B	Total/NA
Barium	0.969		0.100	mg/L	1		6010B	TCLP
Mercury	0.144		0.0915	mg/Kg	1	✳	7471A	Total/NA

Client Sample ID: UOSVB3-D

Lab Sample ID: 570-203269-13

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.04		3.81	mg/Kg	5	✳	6010B	Total/NA
Barium	161		3.81	mg/Kg	5	✳	6010B	Total/NA
Chromium	30.8		1.27	mg/Kg	5	✳	6010B	Total/NA
Copper	52.3		2.54	mg/Kg	5	✳	6010B	Total/NA
Lead	13.3		2.54	mg/Kg	5	✳	6010B	Total/NA
Nickel	35.7		2.54	mg/Kg	5	✳	6010B	Total/NA
Zinc	104		6.34	mg/Kg	5	✳	6010B	Total/NA
Barium	1.03		0.100	mg/L	1		6010B	TCLP
Mercury	0.129		0.106	mg/Kg	1	✳	7471A	Total/NA

Client Sample ID: UOSVB4-S

Lab Sample ID: 570-203269-14

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	93		24	ug/Kg	1	✳	8260C	Total/NA
Toluene	22		1.2	ug/Kg	1	✳	8260C	Total/NA
TPH as Gasoline (C4-C13)	0.31		0.25	mg/Kg	1	✳	NWTPH-Gx	Total/NA
TPH as Diesel Range - DL	780		50	mg/Kg	10	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range - DL	7000		50	mg/Kg	10	✳	NWTPH-Dx	Total/NA
Barium	40.5		3.04	mg/Kg	5	✳	6010B	Total/NA
Chromium	12.0		1.01	mg/Kg	5	✳	6010B	Total/NA
Copper	23.9		2.02	mg/Kg	5	✳	6010B	Total/NA
Nickel	28.6		2.02	mg/Kg	5	✳	6010B	Total/NA
Zinc	24.7		5.06	mg/Kg	5	✳	6010B	Total/NA

Client Sample ID: UOSVB4-I

Lab Sample ID: 570-203269-15

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Motor Oil Range	16		6.8	mg/Kg	1	✳	NWTPH-Dx	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Calscience

Detection Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB4-I (Continued)

Lab Sample ID: 570-203269-15

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Barium	134	F1	4.10	mg/Kg	5	✳	6010B	Total/NA
Chromium	57.2		1.37	mg/Kg	5	✳	6010B	Total/NA
Copper	65.4		2.74	mg/Kg	5	✳	6010B	Total/NA
Nickel	25.5		2.74	mg/Kg	5	✳	6010B	Total/NA
Zinc	40.0		6.84	mg/Kg	5	✳	6010B	Total/NA
Mercury	0.169	*1	0.119	mg/Kg	1	✳	7471A	Total/NA

Client Sample ID: UOSVB4-D

Lab Sample ID: 570-203269-16

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	29		21	ug/Kg	1	✳	8260C	Total/NA
Toluene	2.2		1.0	ug/Kg	1	✳	8260C	Total/NA
TPH as Diesel Range	27		5.9	mg/Kg	1	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range	120		5.9	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Barium	157		3.62	mg/Kg	5	✳	6010B	Total/NA
Chromium	118		1.21	mg/Kg	5	✳	6010B	Total/NA
Copper	63.5		2.41	mg/Kg	5	✳	6010B	Total/NA
Nickel	32.1		2.41	mg/Kg	5	✳	6010B	Total/NA
Zinc	40.5		6.03	mg/Kg	5	✳	6010B	Total/NA

Client Sample ID: UOSVB1-W

Lab Sample ID: 570-203269-17

No Detections.

Client Sample ID: EWVB5-S

Lab Sample ID: 570-203269-18

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	39		24	ug/Kg	1	✳	8260C	Total/NA
TPH as Diesel Range	9.3		5.1	mg/Kg	1	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range	11		5.1	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Barium	50.6		3.15	mg/Kg	5	✳	6010B	Total/NA
Chromium	2.10		1.05	mg/Kg	5	✳	6010B	Total/NA
Copper	9.41		2.10	mg/Kg	5	✳	6010B	Total/NA
Lead	3.51		2.10	mg/Kg	5	✳	6010B	Total/NA
Nickel	2.12		2.10	mg/Kg	5	✳	6010B	Total/NA
Zinc	32.1		5.25	mg/Kg	5	✳	6010B	Total/NA

Client Sample ID: EWVB5-I

Lab Sample ID: 570-203269-19

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23		21	ug/Kg	1	✳	8260C	Total/NA
TPH as Motor Oil Range	7.5		6.3	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Arsenic	12.1		3.86	mg/Kg	5	✳	6010B	Total/NA
Barium	154		3.86	mg/Kg	5	✳	6010B	Total/NA
Chromium	65.4		1.29	mg/Kg	5	✳	6010B	Total/NA
Copper	71.0		2.57	mg/Kg	5	✳	6010B	Total/NA
Lead	14.3		2.57	mg/Kg	5	✳	6010B	Total/NA
Nickel	32.9		2.57	mg/Kg	5	✳	6010B	Total/NA
Zinc	44.3		6.44	mg/Kg	5	✳	6010B	Total/NA

Client Sample ID: EWVB5-D

Lab Sample ID: 570-203269-20

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	42		35	ug/Kg	1	✳	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Euromins Calscience

Detection Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: EWVB5-D (Continued)

Lab Sample ID: 570-203269-20

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.48		3.70	mg/Kg	5	✳	6010B	Total/NA
Barium	136		3.70	mg/Kg	5	✳	6010B	Total/NA
Chromium	55.7		1.23	mg/Kg	5	✳	6010B	Total/NA
Copper	65.5		2.47	mg/Kg	5	✳	6010B	Total/NA
Lead	32.5		2.47	mg/Kg	5	✳	6010B	Total/NA
Nickel	30.7		2.47	mg/Kg	5	✳	6010B	Total/NA
Zinc	39.4		6.16	mg/Kg	5	✳	6010B	Total/NA
Mercury	0.101	*1	0.0984	mg/Kg	1	✳	7471A	Total/NA

Client Sample ID: EWVB5-W

Lab Sample ID: 570-203269-21

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.066		0.020	ug/L	1		8081A	Total/NA
TPH as Diesel Range	0.55		0.10	mg/L	1		NWTPH-Dx	Total/NA
TPH as Motor Oil Range - RA	0.32		0.10	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: EWVB6-I

Lab Sample ID: 570-203269-23

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	64		28	ug/Kg	1	✳	8260C	Total/NA
TPH as Diesel Range	6.8		6.3	mg/Kg	1	✳	NWTPH-Dx	Total/NA
TPH as Motor Oil Range	7.0		6.3	mg/Kg	1	✳	NWTPH-Dx	Total/NA
Arsenic	16.8		3.85	mg/Kg	5	✳	6010B	Total/NA
Barium	137		3.85	mg/Kg	5	✳	6010B	Total/NA
Chromium	54.4		1.28	mg/Kg	5	✳	6010B	Total/NA
Copper	66.3		2.57	mg/Kg	5	✳	6010B	Total/NA
Lead	47.3		2.57	mg/Kg	5	✳	6010B	Total/NA
Nickel	30.1		2.57	mg/Kg	5	✳	6010B	Total/NA
Zinc	41.6		6.42	mg/Kg	5	✳	6010B	Total/NA

Client Sample ID: EWVB6-D

Lab Sample ID: 570-203269-24

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	53		25	ug/Kg	1	✳	8260C	Total/NA
Arsenic	13.8		3.83	mg/Kg	5	✳	6010B	Total/NA
Barium	152		3.83	mg/Kg	5	✳	6010B	Total/NA
Chromium	62.2		1.28	mg/Kg	5	✳	6010B	Total/NA
Copper	70.3		2.55	mg/Kg	5	✳	6010B	Total/NA
Lead	46.8		2.55	mg/Kg	5	✳	6010B	Total/NA
Nickel	33.2		2.55	mg/Kg	5	✳	6010B	Total/NA
Zinc	44.9		6.38	mg/Kg	5	✳	6010B	Total/NA
Mercury	0.292	*1	0.110	mg/Kg	1	✳	7471A	Total/NA

Client Sample ID: EWVB6-W

Lab Sample ID: 570-203269-25

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Diesel Range	0.50		0.11	mg/L	1		NWTPH-Dx	Total/NA
TPH as Motor Oil Range - RA	0.35		0.11	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: UOSVB4-W

Lab Sample ID: 570-203269-26

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		10	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Euofins Calscience

Detection Summary

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB4-W (Continued)

Lab Sample ID: 570-203269-26

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1.9		1.0	ug/L	1		8260C	Total/NA
TPH as Diesel Range	0.17		0.12	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: UOSVB2-W

Lab Sample ID: 570-203269-27

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
TPH as Motor Oil Range - RA	0.13		0.12	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: IDW-S

Lab Sample ID: 570-203269-28

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	25		20	ug/Kg	1	*	8260C	Total/NA
Toluene	12		1.0	ug/Kg	1	*	8260C	Total/NA
TPH as Diesel Range	73		5.3	mg/Kg	1	*	NWTPH-Dx	Total/NA
TPH as Motor Oil Range	470		5.3	mg/Kg	1	*	NWTPH-Dx	Total/NA
Barium	0.225		0.100	mg/L	1		6010B	TCLP

Client Sample ID: IDW-W

Lab Sample ID: 570-203269-29

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		10	ug/L	1		8260C	Total/NA
TPH as Diesel Range	0.71		0.093	mg/L	1		NWTPH-Dx	Total/NA
TPH as Motor Oil Range	0.36		0.093	mg/L	1		NWTPH-Dx	Total/NA

Client Sample ID: EWVB6-S

Lab Sample ID: 570-203269-30

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18		15	ug/Kg	1		8260C	Total/NA
Arsenic	7.99		3.05	mg/Kg	5		6010B	Total/NA
Barium	99.4		3.05	mg/Kg	5		6010B	Total/NA
Chromium	34.4		1.02	mg/Kg	5		6010B	Total/NA
Copper	42.3		2.03	mg/Kg	5		6010B	Total/NA
Lead	34.2		2.03	mg/Kg	5		6010B	Total/NA
Nickel	19.4		2.03	mg/Kg	5		6010B	Total/NA
Zinc	28.2		5.08	mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Client Sample ID: IGGESV-0
Date Collected: 10/15/24 08:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,1,1-Trichloroethane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,1,2,2-Tetrachloroethane	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2600	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,1,2-Trichloroethane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,1-Dichloroethane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,1-Dichloroethene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,1-Dichloropropene	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,2,3-Trichlorobenzene	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,2,3-Trichloropropane	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,2,4-Trichlorobenzene	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,2,4-Trimethylbenzene	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,2-Dibromo-3-Chloropropane	ND		2600	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,2-Dibromoethane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,2-Dichlorobenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,2-Dichloroethane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,2-Dichloropropane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,3,5-Trimethylbenzene	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,3-Dichlorobenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,3-Dichloropropane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
1,4-Dichlorobenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
2,2-Dichloropropane	ND		1300	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
2-Butanone (MEK)	ND		5200	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
2-Chlorotoluene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
2-Hexanone	ND		5200	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
4-Chlorotoluene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
4-Methyl-2-pentanone (MIBK)	ND		5200	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Acetone	ND		5200	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Benzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Bromobenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Bromochloromethane	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Bromodichloromethane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Bromoform	ND		1300	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Bromomethane	ND		5200	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
cis-1,2-Dichloroethene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
cis-1,3-Dichloropropene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Carbon disulfide	ND		2600	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Carbon tetrachloride	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Chlorobenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Chloroethane	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Chloroform	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Chloromethane	ND		5200	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Dibromochloromethane	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Dibromomethane	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Dichlorodifluoromethane	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Di-isopropyl ether (DIPE)	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Ethanol	ND		65000	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Ethylbenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Ethyl-t-butyl ether (ETBE)	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: IGGESV-0
Date Collected: 10/15/24 08:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Methylene Chloride	ND		2600	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Methyl-t-Butyl Ether (MTBE)	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Naphthalene	ND		2600	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
n-Butylbenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
N-Propylbenzene	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
o-Xylene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
m,p-Xylene	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
p-Isopropyltoluene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
sec-Butylbenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Styrene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
trans-1,2-Dichloroethene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
trans-1,3-Dichloropropene	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Tert-amyl-methyl ether (TAME)	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
tert-Butyl alcohol (TBA)	ND		5200	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Toluene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
tert-Butylbenzene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Tetrachloroethene	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Trichloroethene	ND		520	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Trichlorofluoromethane	ND		2600	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Vinyl acetate	ND		2600	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500
Vinyl chloride	ND		260	ug/Kg	☼	10/17/24 17:41	10/21/24 13:45	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		32 - 179	10/17/24 17:41	10/21/24 13:45	500
4-Bromofluorobenzene (Surr)	98		80 - 120	10/17/24 17:41	10/21/24 13:45	500
Dibromofluoromethane (Surr)	102		58 - 147	10/17/24 17:41	10/21/24 13:45	500
Toluene-d8 (Surr)	103		80 - 120	10/17/24 17:41	10/21/24 13:45	500

Client Sample ID: IGGESV-6
Date Collected: 10/15/24 08:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,1,1-Trichloroethane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,1,2,2-Tetrachloroethane	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,1,2-Trichloroethane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,1-Dichloroethane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,1-Dichloroethene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,1-Dichloropropene	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,2,3-Trichlorobenzene	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,2,3-Trichloropropane	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,2,4-Trichlorobenzene	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,2,4-Trimethylbenzene	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,2-Dibromo-3-Chloropropane	ND		5000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,2-Dibromoethane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,2-Dichlorobenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,2-Dichloroethane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,2-Dichloropropane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: IGGESV-6
Date Collected: 10/15/24 08:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,3-Dichlorobenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,3-Dichloropropane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
1,4-Dichlorobenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
2,2-Dichloropropane	ND		2500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
2-Butanone (MEK)	ND		10000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
2-Chlorotoluene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
2-Hexanone	ND		10000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
4-Chlorotoluene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
4-Methyl-2-pentanone (MIBK)	ND		10000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Acetone	ND		10000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Benzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Bromobenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Bromochloromethane	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Bromodichloromethane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Bromoform	ND		2500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Bromomethane	ND		10000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
cis-1,2-Dichloroethene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
cis-1,3-Dichloropropene	ND	*+	500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Carbon disulfide	ND		5000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Carbon tetrachloride	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Chlorobenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Chloroethane	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Chloroform	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Chloromethane	ND		10000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Dibromochloromethane	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Dibromomethane	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Dichlorodifluoromethane	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Di-isopropyl ether (DIPE)	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Ethanol	ND		130000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Ethylbenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Ethyl-t-butyl ether (ETBE)	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Isopropylbenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Methylene Chloride	ND		5000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Methyl-t-Butyl Ether (MTBE)	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Naphthalene	ND		5000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
n-Butylbenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
N-Propylbenzene	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
o-Xylene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
m,p-Xylene	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
p-Isopropyltoluene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
sec-Butylbenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Styrene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
trans-1,2-Dichloroethene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
trans-1,3-Dichloropropene	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Tert-amyl-methyl ether (TAME)	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
tert-Butyl alcohol (TBA)	ND		10000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Toluene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
tert-Butylbenzene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: IGGESV-6
Date Collected: 10/15/24 08:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Trichloroethene	ND		1000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Trichlorofluoromethane	ND		5000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Vinyl acetate	ND		5000	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500
Vinyl chloride	ND		500	ug/Kg	☼	10/17/24 17:41	10/22/24 14:21	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		32 - 179	10/17/24 17:41	10/22/24 14:21	500
4-Bromofluorobenzene (Surr)	90		80 - 120	10/17/24 17:41	10/22/24 14:21	500
Dibromofluoromethane (Surr)	99		58 - 147	10/17/24 17:41	10/22/24 14:21	500
Toluene-d8 (Surr)	99		80 - 120	10/17/24 17:41	10/22/24 14:21	500

Client Sample ID: GCSTD
Date Collected: 10/15/24 08:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-3
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,1,1-Trichloroethane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,1,2,2-Tetrachloroethane	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		32	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,1,2-Trichloroethane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,1-Dichloroethane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,1-Dichloroethene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,1-Dichloropropene	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,2,3-Trichlorobenzene	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,2,3-Trichloropropane	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,2,4-Trichlorobenzene	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,2,4-Trimethylbenzene	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,2-Dibromo-3-Chloropropane	ND		32	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,2-Dibromoethane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,2-Dichlorobenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,2-Dichloroethane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,2-Dichloropropane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,3,5-Trimethylbenzene	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,3-Dichlorobenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,3-Dichloropropane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
1,4-Dichlorobenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
2,2-Dichloropropane	ND		16	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
2-Butanone (MEK)	95		63	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
2-Chlorotoluene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
2-Hexanone	ND		63	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
4-Chlorotoluene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
4-Methyl-2-pentanone (MIBK)	ND		63	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Acetone	630	E	63	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Benzene	46		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Bromobenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Bromochloromethane	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Bromodichloromethane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Bromoform	ND		16	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Bromomethane	ND	+	63	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: GCSTD
Date Collected: 10/15/24 08:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-3
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
cis-1,3-Dichloropropene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Carbon disulfide	ND		32	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Carbon tetrachloride	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Chlorobenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Chloroethane	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Chloroform	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Chloromethane	ND		63	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Dibromochloromethane	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Dibromomethane	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Dichlorodifluoromethane	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Di-isopropyl ether (DIPE)	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Ethanol	ND		790	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Ethylbenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Ethyl-t-butyl ether (ETBE)	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Isopropylbenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Methylene Chloride	ND		32	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Methyl-t-Butyl Ether (MTBE)	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Naphthalene	ND		32	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
n-Butylbenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
N-Propylbenzene	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
o-Xylene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
m,p-Xylene	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
p-Isopropyltoluene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
sec-Butylbenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Styrene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
trans-1,2-Dichloroethene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
trans-1,3-Dichloropropene	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Tert-amyl-methyl ether (TAME)	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
tert-Butyl alcohol (TBA)	140		63	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Toluene	25		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
tert-Butylbenzene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Tetrachloroethene	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Trichloroethene	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Trichlorofluoromethane	ND		32	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Vinyl acetate	ND		32	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1
Vinyl chloride	ND		3.2	ug/Kg	☼	10/17/24 17:41	10/17/24 22:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		32 - 179	10/17/24 17:41	10/17/24 22:54	1
4-Bromofluorobenzene (Surr)	95		80 - 120	10/17/24 17:41	10/17/24 22:54	1
Dibromofluoromethane (Surr)	102		58 - 147	10/17/24 17:41	10/17/24 22:54	1
Toluene-d8 (Surr)	102		80 - 120	10/17/24 17:41	10/17/24 22:54	1

Client Sample ID: OTEWSV-4
Date Collected: 10/15/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,1,1-Trichloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: OTEWSV-4
Date Collected: 10/15/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		17	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,1,2-Trichloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,1-Dichloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,1-Dichloroethene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,1-Dichloropropene	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,2,3-Trichlorobenzene	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,2,3-Trichloropropane	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,2,4-Trichlorobenzene	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,2,4-Trimethylbenzene	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,2-Dibromo-3-Chloropropane	ND		17	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,2-Dibromoethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,2-Dichlorobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,2-Dichloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,2-Dichloropropane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,3,5-Trimethylbenzene	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,3-Dichlorobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,3-Dichloropropane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
1,4-Dichlorobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
2,2-Dichloropropane	ND		8.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
2-Butanone (MEK)	ND		34	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
2-Chlorotoluene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
2-Hexanone	ND		34	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
4-Chlorotoluene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
4-Methyl-2-pentanone (MIBK)	ND		34	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Acetone	150		34	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Benzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Bromobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Bromochloromethane	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Bromodichloromethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Bromoform	ND		8.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Bromomethane	ND		34	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
cis-1,2-Dichloroethene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
cis-1,3-Dichloropropane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Carbon disulfide	ND		17	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Carbon tetrachloride	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Chlorobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Chloroethane	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Chloroform	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Chloromethane	ND		34	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Dibromochloromethane	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Dibromomethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Dichlorodifluoromethane	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Di-isopropyl ether (DIPE)	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Ethanol	ND		430	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Ethylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Ethyl-t-butyl ether (ETBE)	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Isopropylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Methylene Chloride	ND		17	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: OTEWSV-4
Date Collected: 10/15/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Naphthalene	ND		17	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
n-Butylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
N-Propylbenzene	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
o-Xylene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
m,p-Xylene	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
p-Isopropyltoluene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
sec-Butylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Styrene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
trans-1,2-Dichloroethene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
trans-1,3-Dichloropropene	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Tert-amyl-methyl ether (TAME)	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
tert-Butyl alcohol (TBA)	ND		34	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Toluene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
tert-Butylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Tetrachloroethene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Trichloroethene	ND		3.4	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Trichlorofluoromethane	ND		17	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Vinyl acetate	ND		17	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1
Vinyl chloride	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		32 - 179	10/17/24 17:41	10/21/24 14:06	1
4-Bromofluorobenzene (Surr)	98		80 - 120	10/17/24 17:41	10/21/24 14:06	1
Dibromofluoromethane (Surr)	101		58 - 147	10/17/24 17:41	10/21/24 14:06	1
Toluene-d8 (Surr)	99		80 - 120	10/17/24 17:41	10/21/24 14:06	1

Client Sample ID: UOSVB1-S
Date Collected: 10/15/24 10:55
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,1,1-Trichloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,1,2-Trichloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,1-Dichloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,1-Dichloroethene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,1-Dichloropropene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,2,3-Trichlorobenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,2,3-Trichloropropane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,2,4-Trichlorobenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,2-Dibromo-3-Chloropropane	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,2-Dibromoethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,2-Dichlorobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,2-Dichloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,2-Dichloropropane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,3-Dichlorobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB1-S
Date Collected: 10/15/24 10:55
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
1,4-Dichlorobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
2,2-Dichloropropane	ND		4.1	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
2-Butanone (MEK)	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
2-Chlorotoluene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
2-Hexanone	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
4-Chlorotoluene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Acetone	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Benzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Bromobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Bromochloromethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Bromodichloromethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Bromoform	ND		4.1	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Bromomethane	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
cis-1,2-Dichloroethene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
cis-1,3-Dichloropropene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Carbon disulfide	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Carbon tetrachloride	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Chlorobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Chloroethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Chloroform	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Chloromethane	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Dibromochloromethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Dibromomethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Dichlorodifluoromethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Di-isopropyl ether (DIPE)	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Ethanol	ND		200	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Ethylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Ethyl-t-butyl ether (ETBE)	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Isopropylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Methylene Chloride	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Naphthalene	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
n-Butylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
N-Propylbenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
o-Xylene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
m,p-Xylene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
p-Isopropyltoluene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
sec-Butylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Styrene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
trans-1,2-Dichloroethene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Tert-amyl-methyl ether (TAME)	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
tert-Butyl alcohol (TBA)	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Toluene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
tert-Butylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Tetrachloroethene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Trichloroethene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB1-S
Date Collected: 10/15/24 10:55
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Vinyl acetate	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Vinyl chloride	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 14:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		32 - 179			10/17/24 17:41	10/21/24 14:27	1
4-Bromofluorobenzene (Surr)	103		80 - 120			10/17/24 17:41	10/21/24 14:27	1
Dibromofluoromethane (Surr)	104		58 - 147			10/17/24 17:41	10/21/24 14:27	1
Toluene-d8 (Surr)	102		80 - 120			10/17/24 17:41	10/21/24 14:27	1

Client Sample ID: UOSVB1-I
Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-6
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,1,1-Trichloroethane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,1,2,2-Tetrachloroethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.3	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,1,2-Trichloroethane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,1-Dichloroethane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,1-Dichloroethene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,1-Dichloropropene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,2,3-Trichlorobenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,2,3-Trichloropropane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,2,4-Trichlorobenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,2,4-Trimethylbenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,2-Dibromo-3-Chloropropane	ND		7.3	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,2-Dibromoethane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,2-Dichlorobenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,2-Dichloroethane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,2-Dichloropropane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,3,5-Trimethylbenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,3-Dichlorobenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,3-Dichloropropane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
1,4-Dichlorobenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
2,2-Dichloropropane	ND		3.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
2-Butanone (MEK)	ND		15	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
2-Chlorotoluene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
2-Hexanone	ND		15	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
4-Chlorotoluene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
4-Methyl-2-pentanone (MIBK)	ND		15	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Acetone	ND		15	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Benzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Bromobenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Bromochloromethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Bromodichloromethane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Bromoform	ND		3.7	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Bromomethane	ND		15	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
cis-1,2-Dichloroethene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
cis-1,3-Dichloropropene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB1-I
Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-6
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		7.3	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Carbon tetrachloride	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Chlorobenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Chloroethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Chloroform	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Chloromethane	ND		15	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Dibromochloromethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Dibromomethane	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Dichlorodifluoromethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Di-isopropyl ether (DIPE)	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Ethanol	ND		180	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Ethylbenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Ethyl-t-butyl ether (ETBE)	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Isopropylbenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Methylene Chloride	ND		7.3	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Naphthalene	ND		7.3	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
n-Butylbenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
N-Propylbenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
o-Xylene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
m,p-Xylene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
p-Isopropyltoluene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
sec-Butylbenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Styrene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
trans-1,2-Dichloroethene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
trans-1,3-Dichloropropene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Tert-amyl-methyl ether (TAME)	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
tert-Butyl alcohol (TBA)	ND		15	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Toluene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
tert-Butylbenzene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Tetrachloroethene	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Trichloroethene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Trichlorofluoromethane	ND		7.3	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Vinyl acetate	ND		7.3	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1
Vinyl chloride	ND		0.73	ug/Kg	☼	10/17/24 17:41	10/21/24 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		32 - 179	10/17/24 17:41	10/21/24 14:49	1
4-Bromofluorobenzene (Surr)	98		80 - 120	10/17/24 17:41	10/21/24 14:49	1
Dibromofluoromethane (Surr)	108		58 - 147	10/17/24 17:41	10/21/24 14:49	1
Toluene-d8 (Surr)	101		80 - 120	10/17/24 17:41	10/21/24 14:49	1

Client Sample ID: UOSVB1-D
Date Collected: 10/15/24 12:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,1,1-Trichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,1,2,2-Tetrachloroethane	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB1-D
Date Collected: 10/15/24 12:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,1-Dichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,1-Dichloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,1-Dichloropropene	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,2,3-Trichlorobenzene	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,2,3-Trichloropropane	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,2,4-Trichlorobenzene	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,2,4-Trimethylbenzene	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,2-Dibromo-3-Chloropropane	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,2-Dibromoethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,2-Dichlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,2-Dichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,2-Dichloropropane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,3,5-Trimethylbenzene	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,3-Dichlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,3-Dichloropropane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
1,4-Dichlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
2,2-Dichloropropane	ND		6.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
2-Butanone (MEK)	ND		26	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
2-Chlorotoluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
2-Hexanone	ND		26	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
4-Chlorotoluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
4-Methyl-2-pentanone (MIBK)	ND		26	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Acetone	30		26	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Benzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Bromobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Bromochloromethane	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Bromodichloromethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Bromoform	ND		6.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Bromomethane	ND		26	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
cis-1,2-Dichloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
cis-1,3-Dichloropropene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Carbon disulfide	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Carbon tetrachloride	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Chlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Chloroethane	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Chloroform	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Chloromethane	ND		26	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Dibromochloromethane	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Dibromomethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Dichlorodifluoromethane	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Di-isopropyl ether (DIPE)	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Ethanol	ND		330	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Ethylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Ethyl-t-butyl ether (ETBE)	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Isopropylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Methylene Chloride	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Methyl-t-Butyl Ether (MTBE)	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Naphthalene	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB1-D
Date Collected: 10/15/24 12:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
N-Propylbenzene	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
o-Xylene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
m,p-Xylene	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
p-Isopropyltoluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
sec-Butylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Styrene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
trans-1,2-Dichloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
trans-1,3-Dichloropropene	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Tert-amyl-methyl ether (TAME)	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
tert-Butyl alcohol (TBA)	ND		26	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Toluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
tert-Butylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Tetrachloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Trichloroethene	ND		2.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Trichlorofluoromethane	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Vinyl acetate	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1
Vinyl chloride	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		32 - 179	10/17/24 17:41	10/21/24 15:10	1
4-Bromofluorobenzene (Surr)	99		80 - 120	10/17/24 17:41	10/21/24 15:10	1
Dibromofluoromethane (Surr)	108		58 - 147	10/17/24 17:41	10/21/24 15:10	1
Toluene-d8 (Surr)	108		80 - 120	10/17/24 17:41	10/21/24 15:10	1

Client Sample ID: UOSVB2-S
Date Collected: 10/15/24 12:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,1,1-Trichloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,1,2,2-Tetrachloroethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,1,2-Trichloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,1-Dichloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,1-Dichloroethene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,1-Dichloropropene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,2,3-Trichlorobenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,2,3-Trichloropropane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,2,4-Trichlorobenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,2,4-Trimethylbenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,2-Dibromo-3-Chloropropane	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,2-Dibromoethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,2-Dichlorobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,2-Dichloroethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,2-Dichloropropane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,3,5-Trimethylbenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,3-Dichlorobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,3-Dichloropropane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
1,4-Dichlorobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB2-S
Date Collected: 10/15/24 12:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		4.1	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
2-Butanone (MEK)	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
2-Chlorotoluene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
2-Hexanone	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
4-Chlorotoluene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
4-Methyl-2-pentanone (MIBK)	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Acetone	17		16	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Benzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Bromobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Bromochloromethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Bromodichloromethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Bromoform	ND		4.1	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Bromomethane	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
cis-1,2-Dichloroethene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
cis-1,3-Dichloropropene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Carbon disulfide	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Carbon tetrachloride	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Chlorobenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Chloroethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Chloroform	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Chloromethane	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Dibromochloromethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Dibromomethane	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Dichlorodifluoromethane	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Di-isopropyl ether (DIPE)	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Ethanol	ND		200	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Ethylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Ethyl-t-butyl ether (ETBE)	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Isopropylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Methylene Chloride	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Methyl-t-Butyl Ether (MTBE)	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Naphthalene	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
n-Butylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
N-Propylbenzene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
o-Xylene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
m,p-Xylene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
p-Isopropyltoluene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
sec-Butylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Styrene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
trans-1,2-Dichloroethene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
trans-1,3-Dichloropropene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Tert-amyl-methyl ether (TAME)	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
tert-Butyl alcohol (TBA)	ND		16	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Toluene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
tert-Butylbenzene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Tetrachloroethene	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Trichloroethene	ND		1.6	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Trichlorofluoromethane	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Vinyl acetate	ND		8.1	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB2-S
Date Collected: 10/15/24 12:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.81	ug/Kg	☼	10/17/24 17:41	10/21/24 15:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		32 - 179			10/17/24 17:41	10/21/24 15:31	1
4-Bromofluorobenzene (Surr)	100		80 - 120			10/17/24 17:41	10/21/24 15:31	1
Dibromofluoromethane (Surr)	109		58 - 147			10/17/24 17:41	10/21/24 15:31	1
Toluene-d8 (Surr)	108		80 - 120			10/17/24 17:41	10/21/24 15:31	1

Client Sample ID: UOSVB2-I
Date Collected: 10/15/24 12:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-9
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,1,1-Trichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,1,2,2-Tetrachloroethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,1,2-Trichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,1-Dichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,1-Dichloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,1-Dichloropropene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,2,3-Trichlorobenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,2,3-Trichloropropane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,2,4-Trichlorobenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,2,4-Trimethylbenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,2-Dibromo-3-Chloropropane	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,2-Dibromoethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,2-Dichlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,2-Dichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,2-Dichloropropane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,3,5-Trimethylbenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,3-Dichlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,3-Dichloropropane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
1,4-Dichlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
2,2-Dichloropropane	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
2-Butanone (MEK)	ND		25	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
2-Chlorotoluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
2-Hexanone	ND		25	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
4-Chlorotoluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Acetone	ND		25	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Benzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Bromobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Bromochloromethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Bromodichloromethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Bromoform	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Bromomethane	ND		25	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
cis-1,2-Dichloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
cis-1,3-Dichloropropene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Carbon disulfide	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Carbon tetrachloride	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB2-I
Date Collected: 10/15/24 12:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-9
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Chloroethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Chloroform	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Chloromethane	ND		25	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Dibromochloromethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Dibromomethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Dichlorodifluoromethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Di-isopropyl ether (DIPE)	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Ethanol	ND		310	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Ethylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Ethyl-t-butyl ether (ETBE)	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Isopropylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Methylene Chloride	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Methyl-t-Butyl Ether (MTBE)	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Naphthalene	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
n-Butylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
N-Propylbenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
o-Xylene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
m,p-Xylene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
p-Isopropyltoluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
sec-Butylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Styrene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
trans-1,2-Dichloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
trans-1,3-Dichloropropene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Tert-amyl-methyl ether (TAME)	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
tert-Butyl alcohol (TBA)	ND		25	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Toluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
tert-Butylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Tetrachloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Trichloroethene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Trichlorofluoromethane	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Vinyl acetate	ND		13	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1
Vinyl chloride	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/21/24 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		32 - 179	10/17/24 17:41	10/21/24 15:52	1
4-Bromofluorobenzene (Surr)	97		80 - 120	10/17/24 17:41	10/21/24 15:52	1
Dibromofluoromethane (Surr)	100		58 - 147	10/17/24 17:41	10/21/24 15:52	1
Toluene-d8 (Surr)	111		80 - 120	10/17/24 17:41	10/21/24 15:52	1

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,1,1-Trichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,1,2,2-Tetrachloroethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,1,2-Trichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,1-Dichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,1-Dichloropropene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,2,3-Trichlorobenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,2,3-Trichloropropane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,2,4-Trichlorobenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,2,4-Trimethylbenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,2-Dibromo-3-Chloropropane	ND		11	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,2-Dibromoethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,2-Dichlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,2-Dichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,2-Dichloropropane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,3,5-Trimethylbenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,3-Dichlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,3-Dichloropropane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
1,4-Dichlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
2,2-Dichloropropane	ND		5.7	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
2-Butanone (MEK)	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
2-Chlorotoluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
2-Hexanone	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
4-Chlorotoluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Acetone	26		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Benzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Bromobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Bromochloromethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Bromodichloromethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Bromoform	ND		5.7	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Bromomethane	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
cis-1,2-Dichloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
cis-1,3-Dichloropropene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Carbon disulfide	ND		11	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Carbon tetrachloride	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Chlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Chloroethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Chloroform	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Chloromethane	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Dibromochloromethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Dibromomethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Dichlorodifluoromethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Di-isopropyl ether (DIPE)	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Ethanol	ND		290	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Ethylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Ethyl-t-butyl ether (ETBE)	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Isopropylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Methylene Chloride	ND		11	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Methyl-t-Butyl Ether (MTBE)	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Naphthalene	ND		11	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
n-Butylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
N-Propylbenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
m,p-Xylene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
p-Isopropyltoluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
sec-Butylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Styrene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
trans-1,2-Dichloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
trans-1,3-Dichloropropene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Tert-amyl-methyl ether (TAME)	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
tert-Butyl alcohol (TBA)	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Toluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
tert-Butylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Tetrachloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Trichloroethene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Trichlorofluoromethane	ND		11	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Vinyl acetate	ND		11	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1
Vinyl chloride	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/21/24 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		32 - 179	10/17/24 17:41	10/21/24 16:13	1
4-Bromofluorobenzene (Surr)	99		80 - 120	10/17/24 17:41	10/21/24 16:13	1
Dibromofluoromethane (Surr)	104		58 - 147	10/17/24 17:41	10/21/24 16:13	1
Toluene-d8 (Surr)	109		80 - 120	10/17/24 17:41	10/21/24 16:13	1

Client Sample ID: UOSVB3-S
Date Collected: 10/15/24 14:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,1,1-Trichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,1,2,2-Tetrachloroethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,1,2-Trichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,1-Dichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,1-Dichloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,1-Dichloropropene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,2,3-Trichlorobenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,2,3-Trichloropropane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,2,4-Trichlorobenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,2,4-Trimethylbenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,2-Dibromo-3-Chloropropane	ND		12	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,2-Dibromoethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,2-Dichlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,2-Dichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,2-Dichloropropane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,3,5-Trimethylbenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,3-Dichlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,3-Dichloropropane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
1,4-Dichlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
2,2-Dichloropropane	ND		5.8	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
2-Butanone (MEK)	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB3-S
Date Collected: 10/15/24 14:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
2-Hexanone	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
4-Chlorotoluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Acetone	29		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Benzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Bromobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Bromochloromethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Bromodichloromethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Bromoform	ND		5.8	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Bromomethane	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
cis-1,2-Dichloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
cis-1,3-Dichloropropene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Carbon disulfide	ND		12	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Carbon tetrachloride	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Chlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Chloroethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Chloroform	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Chloromethane	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Dibromochloromethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Dibromomethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Dichlorodifluoromethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Di-isopropyl ether (DIPE)	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Ethanol	ND		290	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Ethylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Ethyl-t-butyl ether (ETBE)	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Isopropylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Methylene Chloride	ND		12	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Methyl-t-Butyl Ether (MTBE)	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Naphthalene	ND		12	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
n-Butylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
N-Propylbenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
o-Xylene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
m,p-Xylene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
p-Isopropyltoluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
sec-Butylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Styrene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
trans-1,2-Dichloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
trans-1,3-Dichloropropene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Tert-amyl-methyl ether (TAME)	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
tert-Butyl alcohol (TBA)	ND		23	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Toluene	5.1		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
tert-Butylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Tetrachloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Trichloroethene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Trichlorofluoromethane	ND		12	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Vinyl acetate	ND		12	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1
Vinyl chloride	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/21/24 16:34	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		32 - 179	10/17/24 17:41	10/21/24 16:34	1
4-Bromofluorobenzene (Surr)	96		80 - 120	10/17/24 17:41	10/21/24 16:34	1
Dibromofluoromethane (Surr)	108		58 - 147	10/17/24 17:41	10/21/24 16:34	1
Toluene-d8 (Surr)	107		80 - 120	10/17/24 17:41	10/21/24 16:34	1

Client Sample ID: UOSVB3-I
Date Collected: 10/15/24 14:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-12
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,1,1-Trichloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,1,2,2-Tetrachloroethane	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,1,2-Trichloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,1-Dichloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,1-Dichloroethene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,1-Dichloropropene	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,2,3-Trichlorobenzene	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,2,3-Trichloropropane	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,2,4-Trichlorobenzene	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,2,4-Trimethylbenzene	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,2-Dibromo-3-Chloropropane	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,2-Dibromoethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,2-Dichlorobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,2-Dichloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,2-Dichloropropane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,3,5-Trimethylbenzene	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,3-Dichlorobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,3-Dichloropropane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
1,4-Dichlorobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
2,2-Dichloropropane	ND		7.2	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
2-Butanone (MEK)	ND		29	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
2-Chlorotoluene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
2-Hexanone	ND		29	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
4-Chlorotoluene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
4-Methyl-2-pentanone (MIBK)	ND		29	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Acetone	ND		29	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Benzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Bromobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Bromochloromethane	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Bromodichloromethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Bromoform	ND		7.2	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Bromomethane	ND		29	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
cis-1,2-Dichloroethene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
cis-1,3-Dichloropropene	ND	+	1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Carbon disulfide	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Carbon tetrachloride	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Chlorobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Chloroethane	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Chloroform	1.6		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Chloromethane	ND		29	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Dibromochloromethane	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB3-I
Date Collected: 10/15/24 14:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-12
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Dichlorodifluoromethane	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Di-isopropyl ether (DIPE)	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Ethanol	ND		360	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Ethylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Ethyl-t-butyl ether (ETBE)	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Isopropylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Methylene Chloride	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Methyl-t-Butyl Ether (MTBE)	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Naphthalene	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
n-Butylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
N-Propylbenzene	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
o-Xylene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
m,p-Xylene	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
p-Isopropyltoluene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
sec-Butylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Styrene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
trans-1,2-Dichloroethene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
trans-1,3-Dichloropropene	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Tert-amyl-methyl ether (TAME)	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
tert-Butyl alcohol (TBA)	ND		29	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Toluene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
tert-Butylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Tetrachloroethene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Trichloroethene	ND		2.9	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Trichlorofluoromethane	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Vinyl acetate	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1
Vinyl chloride	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		32 - 179	10/17/24 17:41	10/22/24 14:43	1
4-Bromofluorobenzene (Surr)	94		80 - 120	10/17/24 17:41	10/22/24 14:43	1
Dibromofluoromethane (Surr)	105		58 - 147	10/17/24 17:41	10/22/24 14:43	1
Toluene-d8 (Surr)	100		80 - 120	10/17/24 17:41	10/22/24 14:43	1

Client Sample ID: UOSVB3-D
Date Collected: 10/15/24 15:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,1,1-Trichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,1,2,2-Tetrachloroethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,1,2-Trichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,1-Dichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,1-Dichloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,1-Dichloropropene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,2,3-Trichlorobenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,2,3-Trichloropropane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,2,4-Trichlorobenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB3-D
Date Collected: 10/15/24 15:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,2-Dibromo-3-Chloropropane	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,2-Dibromoethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,2-Dichlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,2-Dichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,2-Dichloropropane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,3,5-Trimethylbenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,3-Dichlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,3-Dichloropropane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
1,4-Dichlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
2,2-Dichloropropane	ND		5.6	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
2-Butanone (MEK)	ND		23	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
2-Chlorotoluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
2-Hexanone	ND		23	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
4-Chlorotoluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
4-Methyl-2-pentanone (MIBK)	ND		23	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Acetone	ND		23	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Benzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Bromobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Bromochloromethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Bromodichloromethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Bromoform	ND		5.6	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Bromomethane	ND		23	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
cis-1,2-Dichloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
cis-1,3-Dichloropropene	ND	*+	1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Carbon disulfide	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Carbon tetrachloride	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Chlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Chloroethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Chloroform	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Chloromethane	ND		23	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Dibromochloromethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Dibromomethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Dichlorodifluoromethane	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Di-isopropyl ether (DIPE)	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Ethanol	ND		280	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Ethylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Ethyl-t-butyl ether (ETBE)	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Isopropylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Methylene Chloride	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Methyl-t-Butyl Ether (MTBE)	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Naphthalene	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
n-Butylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
N-Propylbenzene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
o-Xylene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
m,p-Xylene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
p-Isopropyltoluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
sec-Butylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Styrene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB3-D
Date Collected: 10/15/24 15:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
trans-1,3-Dichloropropene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Tert-amyl-methyl ether (TAME)	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
tert-Butyl alcohol (TBA)	ND		23	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Toluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
tert-Butylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Tetrachloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Trichloroethene	ND		2.3	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Trichlorofluoromethane	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Vinyl acetate	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Vinyl chloride	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		32 - 179			10/17/24 17:41	10/22/24 15:05	1
4-Bromofluorobenzene (Surr)	96		80 - 120			10/17/24 17:41	10/22/24 15:05	1
Dibromofluoromethane (Surr)	108		58 - 147			10/17/24 17:41	10/22/24 15:05	1
Toluene-d8 (Surr)	100		80 - 120			10/17/24 17:41	10/22/24 15:05	1

Client Sample ID: UOSVB4-S
Date Collected: 10/15/24 16:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,1,1-Trichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,1,2,2-Tetrachloroethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,1,2-Trichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,1-Dichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,1-Dichloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,1-Dichloropropene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,2,3-Trichlorobenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,2,3-Trichloropropane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,2,4-Trichlorobenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,2,4-Trimethylbenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,2-Dibromo-3-Chloropropane	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,2-Dibromoethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,2-Dichlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,2-Dichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,2-Dichloropropane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,3,5-Trimethylbenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,3-Dichlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,3-Dichloropropane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
1,4-Dichlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
2,2-Dichloropropane	ND		6.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
2-Butanone (MEK)	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
2-Chlorotoluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
2-Hexanone	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
4-Chlorotoluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
4-Methyl-2-pentanone (MIBK)	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Acetone	93		24	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB4-S
Date Collected: 10/15/24 16:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Bromobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Bromochloromethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Bromodichloromethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Bromoform	ND		6.1	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Bromomethane	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
cis-1,2-Dichloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
cis-1,3-Dichloropropene	ND	*+	1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Carbon disulfide	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Carbon tetrachloride	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Chlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Chloroethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Chloroform	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Chloromethane	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Dibromochloromethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Dibromomethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Dichlorodifluoromethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Di-isopropyl ether (DIPE)	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Ethanol	ND		300	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Ethylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Ethyl-t-butyl ether (ETBE)	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Isopropylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Methylene Chloride	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Methyl-t-Butyl Ether (MTBE)	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Naphthalene	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
n-Butylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
N-Propylbenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
o-Xylene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
m,p-Xylene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
p-Isopropyltoluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
sec-Butylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Styrene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
trans-1,2-Dichloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
trans-1,3-Dichloropropene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Tert-amyl-methyl ether (TAME)	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
tert-Butyl alcohol (TBA)	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Toluene	22		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
tert-Butylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Tetrachloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Trichloroethene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Trichlorofluoromethane	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Vinyl acetate	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1
Vinyl chloride	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		32 - 179	10/17/24 17:41	10/22/24 15:27	1
4-Bromofluorobenzene (Surr)	84		80 - 120	10/17/24 17:41	10/22/24 15:27	1
Dibromofluoromethane (Surr)	105		58 - 147	10/17/24 17:41	10/22/24 15:27	1
Toluene-d8 (Surr)	95		80 - 120	10/17/24 17:41	10/22/24 15:27	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Client Sample ID: UOSVB4-I
Date Collected: 10/15/24 16:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-15
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,1,1-Trichloroethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,1,2,2-Tetrachloroethane	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,1,2-Trichloroethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,1-Dichloroethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,1-Dichloroethene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,1-Dichloropropene	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,2,3-Trichlorobenzene	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,2,3-Trichloropropane	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,2,4-Trichlorobenzene	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,2,4-Trimethylbenzene	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,2-Dibromo-3-Chloropropane	ND		15	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,2-Dibromoethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,2-Dichlorobenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,2-Dichloroethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,2-Dichloropropane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,3,5-Trimethylbenzene	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,3-Dichlorobenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,3-Dichloropropane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
1,4-Dichlorobenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
2,2-Dichloropropane	ND		7.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
2-Butanone (MEK)	ND		30	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
2-Chlorotoluene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
2-Hexanone	ND		30	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
4-Chlorotoluene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		30	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Acetone	ND		30	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Benzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Bromobenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Bromochloromethane	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Bromodichloromethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Bromoform	ND		7.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Bromomethane	ND		30	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
cis-1,2-Dichloroethene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
cis-1,3-Dichloropropene	ND	*+	1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Carbon disulfide	ND		15	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Carbon tetrachloride	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Chlorobenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Chloroethane	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Chloroform	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Chloromethane	ND		30	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Dibromochloromethane	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Dibromomethane	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Dichlorodifluoromethane	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Di-isopropyl ether (DIPE)	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Ethanol	ND		370	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Ethylbenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Ethyl-t-butyl ether (ETBE)	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB4-I
Date Collected: 10/15/24 16:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-15
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Methylene Chloride	ND		15	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Methyl-t-Butyl Ether (MTBE)	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Naphthalene	ND		15	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
n-Butylbenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
N-Propylbenzene	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
o-Xylene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
m,p-Xylene	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
p-Isopropyltoluene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
sec-Butylbenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Styrene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
trans-1,2-Dichloroethene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
trans-1,3-Dichloropropene	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Tert-amyl-methyl ether (TAME)	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
tert-Butyl alcohol (TBA)	ND		30	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Toluene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
tert-Butylbenzene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Tetrachloroethene	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Trichloroethene	ND		3.0	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Trichlorofluoromethane	ND		15	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Vinyl acetate	ND		15	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1
Vinyl chloride	ND		1.5	ug/Kg	☼	10/17/24 17:41	10/22/24 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		32 - 179	10/17/24 17:41	10/22/24 15:50	1
4-Bromofluorobenzene (Surr)	95		80 - 120	10/17/24 17:41	10/22/24 15:50	1
Dibromofluoromethane (Surr)	105		58 - 147	10/17/24 17:41	10/22/24 15:50	1
Toluene-d8 (Surr)	99		80 - 120	10/17/24 17:41	10/22/24 15:50	1

Client Sample ID: UOSVB4-D
Date Collected: 10/15/24 17:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-16
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,1,2,2-Tetrachloroethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,1-Dichloroethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,1-Dichloroethene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,1-Dichloropropene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,2,3-Trichlorobenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,2,3-Trichloropropane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,2,4-Trichlorobenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,2,4-Trimethylbenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,2-Dibromoethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,2-Dichloroethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,2-Dichloropropane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB4-D
Date Collected: 10/15/24 17:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-16
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,3-Dichloropropane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
2,2-Dichloropropane	ND		5.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
2-Butanone (MEK)	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
2-Chlorotoluene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
2-Hexanone	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
4-Chlorotoluene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Acetone	29		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Benzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Bromobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Bromochloromethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Bromodichloromethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Bromoform	ND		5.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Bromomethane	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
cis-1,2-Dichloroethene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
cis-1,3-Dichloropropene	ND	*+	1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Carbon disulfide	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Carbon tetrachloride	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Chlorobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Chloroethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Chloroform	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Chloromethane	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Dibromochloromethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Dibromomethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Dichlorodifluoromethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Di-isopropyl ether (DIPE)	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Ethanol	ND		260	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Ethylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Isopropylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Methylene Chloride	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Naphthalene	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
n-Butylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
N-Propylbenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
o-Xylene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
m,p-Xylene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
p-Isopropyltoluene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
sec-Butylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Styrene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
trans-1,2-Dichloroethene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
trans-1,3-Dichloropropene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
tert-Butyl alcohol (TBA)	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Toluene	2.2		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
tert-Butylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB4-D
Date Collected: 10/15/24 17:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-16
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Trichloroethene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Trichlorofluoromethane	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Vinyl acetate	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1
Vinyl chloride	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		32 - 179	10/17/24 17:41	10/22/24 16:12	1
4-Bromofluorobenzene (Surr)	91		80 - 120	10/17/24 17:41	10/22/24 16:12	1
Dibromofluoromethane (Surr)	96		58 - 147	10/17/24 17:41	10/22/24 16:12	1
Toluene-d8 (Surr)	97		80 - 120	10/17/24 17:41	10/22/24 16:12	1

Client Sample ID: UOSVB1-W
Date Collected: 10/15/24 12:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-17
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			10/22/24 17:42	1
1,1,1-Trichloroethane	ND		1.0	ug/L			10/22/24 17:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			10/22/24 17:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			10/22/24 17:42	1
1,1,2-Trichloroethane	ND		1.0	ug/L			10/22/24 17:42	1
1,1-Dichloroethane	ND		1.0	ug/L			10/22/24 17:42	1
1,1-Dichloroethene	ND		1.0	ug/L			10/22/24 17:42	1
1,1-Dichloropropene	ND		1.0	ug/L			10/22/24 17:42	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			10/22/24 17:42	1
1,2,3-Trichloropropane	ND		5.0	ug/L			10/22/24 17:42	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			10/22/24 17:42	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			10/22/24 17:42	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			10/22/24 17:42	1
1,2-Dibromoethane	ND		1.0	ug/L			10/22/24 17:42	1
1,2-Dichlorobenzene	ND		1.0	ug/L			10/22/24 17:42	1
1,2-Dichloroethane	ND		0.50	ug/L			10/22/24 17:42	1
1,2-Dichloropropane	ND		1.0	ug/L			10/22/24 17:42	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			10/22/24 17:42	1
1,3-Dichlorobenzene	ND		1.0	ug/L			10/22/24 17:42	1
1,3-Dichloropropane	ND		1.0	ug/L			10/22/24 17:42	1
1,4-Dichlorobenzene	ND		1.0	ug/L			10/22/24 17:42	1
2,2-Dichloropropane	ND		1.0	ug/L			10/22/24 17:42	1
2-Butanone (MEK)	ND		10	ug/L			10/22/24 17:42	1
2-Chlorotoluene	ND		1.0	ug/L			10/22/24 17:42	1
2-Hexanone	ND		10	ug/L			10/22/24 17:42	1
4-Chlorotoluene	ND		1.0	ug/L			10/22/24 17:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	ug/L			10/22/24 17:42	1
Acetone	ND		10	ug/L			10/22/24 17:42	1
Benzene	ND		0.50	ug/L			10/22/24 17:42	1
Bromobenzene	ND		1.0	ug/L			10/22/24 17:42	1
Bromochloromethane	ND		2.0	ug/L			10/22/24 17:42	1
Bromodichloromethane	ND		1.0	ug/L			10/22/24 17:42	1
Bromoform	ND		5.0	ug/L			10/22/24 17:42	1
Bromomethane	ND		25	ug/L			10/22/24 17:42	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB1-W
Date Collected: 10/15/24 12:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-17
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 17:42	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 17:42	1
Carbon disulfide	ND		10	ug/L			10/22/24 17:42	1
Carbon tetrachloride	ND		0.50	ug/L			10/22/24 17:42	1
Chlorobenzene	ND		1.0	ug/L			10/22/24 17:42	1
Chloroethane	ND		5.0	ug/L			10/22/24 17:42	1
Chloroform	ND		1.0	ug/L			10/22/24 17:42	1
Chloromethane	ND		10	ug/L			10/22/24 17:42	1
Dibromochloromethane	ND		2.0	ug/L			10/22/24 17:42	1
Dibromomethane	ND		1.0	ug/L			10/22/24 17:42	1
Dichlorodifluoromethane	ND		5.0	ug/L			10/22/24 17:42	1
Di-isopropyl ether (DIPE)	ND		2.0	ug/L			10/22/24 17:42	1
Ethanol	ND		100	ug/L			10/22/24 17:42	1
Ethylbenzene	ND		1.0	ug/L			10/22/24 17:42	1
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			10/22/24 17:42	1
Isopropylbenzene	ND		1.0	ug/L			10/22/24 17:42	1
Methylene Chloride	ND		10	ug/L			10/22/24 17:42	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			10/22/24 17:42	1
Naphthalene	ND		10	ug/L			10/22/24 17:42	1
n-Butylbenzene	ND		1.0	ug/L			10/22/24 17:42	1
N-Propylbenzene	ND		1.0	ug/L			10/22/24 17:42	1
o-Xylene	ND		1.0	ug/L			10/22/24 17:42	1
m,p-Xylene	ND		2.0	ug/L			10/22/24 17:42	1
p-Isopropyltoluene	ND		1.0	ug/L			10/22/24 17:42	1
sec-Butylbenzene	ND		1.0	ug/L			10/22/24 17:42	1
Styrene	ND		1.0	ug/L			10/22/24 17:42	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 17:42	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 17:42	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			10/22/24 17:42	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			10/22/24 17:42	1
Toluene	ND		1.0	ug/L			10/22/24 17:42	1
tert-Butylbenzene	ND		1.0	ug/L			10/22/24 17:42	1
Tetrachloroethene	ND		1.0	ug/L			10/22/24 17:42	1
Xylenes, Total	ND		2.0	ug/L			10/22/24 17:42	1
Trichloroethene	ND		1.0	ug/L			10/22/24 17:42	1
Trichlorofluoromethane	ND		10	ug/L			10/22/24 17:42	1
Vinyl acetate	ND		10	ug/L			10/22/24 17:42	1
Vinyl chloride	ND		0.50	ug/L			10/22/24 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 123		10/22/24 17:42	1
4-Bromofluorobenzene (Surr)	97		80 - 120		10/22/24 17:42	1
Dibromofluoromethane (Surr)	107		78 - 120		10/22/24 17:42	1
Toluene-d8 (Surr)	101		80 - 120		10/22/24 17:42	1

Client Sample ID: EWVB5-S
Date Collected: 10/16/24 07:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-18
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB5-S
Date Collected: 10/16/24 07:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-18
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,1,2,2-Tetrachloroethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,1,2-Trichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,1-Dichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,1-Dichloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,1-Dichloropropene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,2,3-Trichlorobenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,2,3-Trichloropropane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,2,4-Trichlorobenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,2,4-Trimethylbenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,2-Dibromo-3-Chloropropane	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,2-Dibromoethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,2-Dichlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,2-Dichloroethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,2-Dichloropropane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,3,5-Trimethylbenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,3-Dichlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,3-Dichloropropane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
1,4-Dichlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
2,2-Dichloropropane	ND		5.9	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
2-Butanone (MEK)	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
2-Chlorotoluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
2-Hexanone	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
4-Chlorotoluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
4-Methyl-2-pentanone (MIBK)	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Acetone	39		24	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Benzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Bromobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Bromochloromethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Bromodichloromethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Bromoform	ND		5.9	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Bromomethane	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
cis-1,2-Dichloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
cis-1,3-Dichloropropene	ND	*+	1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Carbon disulfide	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Carbon tetrachloride	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Chlorobenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Chloroethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Chloroform	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Chloromethane	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Dibromochloromethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Dibromomethane	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Dichlorodifluoromethane	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Di-isopropyl ether (DIPE)	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Ethanol	ND		300	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Ethylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Ethyl-t-butyl ether (ETBE)	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Isopropylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB5-S
Date Collected: 10/16/24 07:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-18
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Methyl-t-Butyl Ether (MTBE)	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Naphthalene	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
n-Butylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
N-Propylbenzene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
o-Xylene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
m,p-Xylene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
p-Isopropyltoluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
sec-Butylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Styrene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
trans-1,2-Dichloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
trans-1,3-Dichloropropene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Tert-amyl-methyl ether (TAME)	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
tert-Butyl alcohol (TBA)	ND		24	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Toluene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
tert-Butylbenzene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Tetrachloroethene	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Trichloroethene	ND		2.4	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Trichlorofluoromethane	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Vinyl acetate	ND		12	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1
Vinyl chloride	ND		1.2	ug/Kg	☼	10/17/24 17:41	10/22/24 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		32 - 179	10/17/24 17:41	10/22/24 16:34	1
4-Bromofluorobenzene (Surr)	93		80 - 120	10/17/24 17:41	10/22/24 16:34	1
Dibromofluoromethane (Surr)	103		58 - 147	10/17/24 17:41	10/22/24 16:34	1
Toluene-d8 (Surr)	97		80 - 120	10/17/24 17:41	10/22/24 16:34	1

Client Sample ID: EWVB5-I
Date Collected: 10/16/24 07:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-19
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,1,1-Trichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,1,2,2-Tetrachloroethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,1,2-Trichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,1-Dichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,1-Dichloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,1-Dichloropropene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,2,3-Trichlorobenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,2,3-Trichloropropane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,2,4-Trichlorobenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,2,4-Trimethylbenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,2-Dibromo-3-Chloropropane	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,2-Dibromoethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,2-Dichlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,2-Dichloroethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,2-Dichloropropane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,3,5-Trimethylbenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB5-I
Date Collected: 10/16/24 07:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-19
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,3-Dichloropropane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
1,4-Dichlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
2,2-Dichloropropane	ND		5.3	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
2-Butanone (MEK)	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
2-Chlorotoluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
2-Hexanone	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
4-Chlorotoluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
4-Methyl-2-pentanone (MIBK)	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Acetone	23		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Benzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Bromobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Bromochloromethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Bromodichloromethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Bromoform	ND		5.3	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Bromomethane	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
cis-1,2-Dichloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
cis-1,3-Dichloropropene	ND	*+	1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Carbon disulfide	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Carbon tetrachloride	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Chlorobenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Chloroethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Chloroform	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Chloromethane	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Dibromochloromethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Dibromomethane	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Dichlorodifluoromethane	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Di-isopropyl ether (DIPE)	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Ethanol	ND		260	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Ethylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Ethyl-t-butyl ether (ETBE)	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Isopropylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Methylene Chloride	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Methyl-t-Butyl Ether (MTBE)	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Naphthalene	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
n-Butylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
N-Propylbenzene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
o-Xylene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
m,p-Xylene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
p-Isopropyltoluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
sec-Butylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Styrene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
trans-1,2-Dichloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
trans-1,3-Dichloropropene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Tert-amyl-methyl ether (TAME)	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
tert-Butyl alcohol (TBA)	ND		21	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Toluene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
tert-Butylbenzene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Tetrachloroethene	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB5-I
Date Collected: 10/16/24 07:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-19
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		2.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Trichlorofluoromethane	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Vinyl acetate	ND		11	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Vinyl chloride	ND		1.1	ug/Kg	☼	10/17/24 17:41	10/22/24 16:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		32 - 179			10/17/24 17:41	10/22/24 16:56	1
4-Bromofluorobenzene (Surr)	93		80 - 120			10/17/24 17:41	10/22/24 16:56	1
Dibromofluoromethane (Surr)	103		58 - 147			10/17/24 17:41	10/22/24 16:56	1
Toluene-d8 (Surr)	99		80 - 120			10/17/24 17:41	10/22/24 16:56	1

Client Sample ID: EWVB5-D
Date Collected: 10/16/24 08:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-20
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,1,1-Trichloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,1,2,2-Tetrachloroethane	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		17	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,1,2-Trichloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,1-Dichloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,1-Dichloroethene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,1-Dichloropropene	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,2,3-Trichlorobenzene	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,2,3-Trichloropropane	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,2,4-Trichlorobenzene	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,2,4-Trimethylbenzene	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,2-Dibromo-3-Chloropropane	ND		17	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,2-Dibromoethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,2-Dichlorobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,2-Dichloroethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,2-Dichloropropane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,3,5-Trimethylbenzene	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,3-Dichlorobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,3-Dichloropropane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
1,4-Dichlorobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
2,2-Dichloropropane	ND		8.6	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
2-Butanone (MEK)	ND		35	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
2-Chlorotoluene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
2-Hexanone	ND		35	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
4-Chlorotoluene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
4-Methyl-2-pentanone (MIBK)	ND		35	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Acetone	42		35	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Benzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Bromobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Bromochloromethane	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Bromodichloromethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Bromoform	ND		8.6	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Bromomethane	ND		35	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
cis-1,2-Dichloroethene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB5-D
Date Collected: 10/16/24 08:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-20
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	*+	1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Carbon disulfide	ND		17	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Carbon tetrachloride	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Chlorobenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Chloroethane	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Chloroform	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Chloromethane	ND		35	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Dibromochloromethane	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Dibromomethane	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Dichlorodifluoromethane	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Di-isopropyl ether (DIPE)	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Ethanol	ND		430	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Ethylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Ethyl-t-butyl ether (ETBE)	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Isopropylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Methylene Chloride	ND		17	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Methyl-t-Butyl Ether (MTBE)	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Naphthalene	ND		17	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
n-Butylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
N-Propylbenzene	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
o-Xylene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
m,p-Xylene	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
p-Isopropyltoluene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
sec-Butylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Styrene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
trans-1,2-Dichloroethene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
trans-1,3-Dichloropropene	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Tert-amyl-methyl ether (TAME)	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
tert-Butyl alcohol (TBA)	ND		35	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Toluene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
tert-Butylbenzene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Tetrachloroethene	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Trichloroethene	ND		3.5	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Trichlorofluoromethane	ND		17	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Vinyl acetate	ND		17	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1
Vinyl chloride	ND		1.7	ug/Kg	☼	10/17/24 17:41	10/22/24 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		32 - 179	10/17/24 17:41	10/22/24 17:18	1
4-Bromofluorobenzene (Surr)	91		80 - 120	10/17/24 17:41	10/22/24 17:18	1
Dibromofluoromethane (Surr)	108		58 - 147	10/17/24 17:41	10/22/24 17:18	1
Toluene-d8 (Surr)	99		80 - 120	10/17/24 17:41	10/22/24 17:18	1

Client Sample ID: EWVB5-W
Date Collected: 10/16/24 08:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-21
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			10/22/24 18:05	1
1,1,1-Trichloroethane	ND		1.0	ug/L			10/22/24 18:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			10/22/24 18:05	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB5-W
Date Collected: 10/16/24 08:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-21
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			10/22/24 18:05	1
1,1,2-Trichloroethane	ND		1.0	ug/L			10/22/24 18:05	1
1,1-Dichloroethane	ND		1.0	ug/L			10/22/24 18:05	1
1,1-Dichloroethene	ND		1.0	ug/L			10/22/24 18:05	1
1,1-Dichloropropene	ND		1.0	ug/L			10/22/24 18:05	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			10/22/24 18:05	1
1,2,3-Trichloropropane	ND		5.0	ug/L			10/22/24 18:05	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			10/22/24 18:05	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			10/22/24 18:05	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			10/22/24 18:05	1
1,2-Dibromoethane	ND		1.0	ug/L			10/22/24 18:05	1
1,2-Dichlorobenzene	ND		1.0	ug/L			10/22/24 18:05	1
1,2-Dichloroethane	ND		0.50	ug/L			10/22/24 18:05	1
1,2-Dichloropropane	ND		1.0	ug/L			10/22/24 18:05	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			10/22/24 18:05	1
1,3-Dichlorobenzene	ND		1.0	ug/L			10/22/24 18:05	1
1,3-Dichloropropane	ND		1.0	ug/L			10/22/24 18:05	1
1,4-Dichlorobenzene	ND		1.0	ug/L			10/22/24 18:05	1
2,2-Dichloropropane	ND		1.0	ug/L			10/22/24 18:05	1
2-Butanone (MEK)	ND		10	ug/L			10/22/24 18:05	1
2-Chlorotoluene	ND		1.0	ug/L			10/22/24 18:05	1
2-Hexanone	ND		10	ug/L			10/22/24 18:05	1
4-Chlorotoluene	ND		1.0	ug/L			10/22/24 18:05	1
4-Methyl-2-pentanone (MIBK)	ND		10	ug/L			10/22/24 18:05	1
Acetone	ND		10	ug/L			10/22/24 18:05	1
Benzene	ND		0.50	ug/L			10/22/24 18:05	1
Bromobenzene	ND		1.0	ug/L			10/22/24 18:05	1
Bromochloromethane	ND		2.0	ug/L			10/22/24 18:05	1
Bromodichloromethane	ND		1.0	ug/L			10/22/24 18:05	1
Bromoform	ND		5.0	ug/L			10/22/24 18:05	1
Bromomethane	ND		25	ug/L			10/22/24 18:05	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 18:05	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 18:05	1
Carbon disulfide	ND		10	ug/L			10/22/24 18:05	1
Carbon tetrachloride	ND		0.50	ug/L			10/22/24 18:05	1
Chlorobenzene	ND		1.0	ug/L			10/22/24 18:05	1
Chloroethane	ND		5.0	ug/L			10/22/24 18:05	1
Chloroform	ND		1.0	ug/L			10/22/24 18:05	1
Chloromethane	ND		10	ug/L			10/22/24 18:05	1
Dibromochloromethane	ND		2.0	ug/L			10/22/24 18:05	1
Dibromomethane	ND		1.0	ug/L			10/22/24 18:05	1
Dichlorodifluoromethane	ND		5.0	ug/L			10/22/24 18:05	1
Di-isopropyl ether (DIPE)	ND		2.0	ug/L			10/22/24 18:05	1
Ethanol	ND		100	ug/L			10/22/24 18:05	1
Ethylbenzene	ND		1.0	ug/L			10/22/24 18:05	1
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			10/22/24 18:05	1
Isopropylbenzene	ND		1.0	ug/L			10/22/24 18:05	1
Methylene Chloride	ND		10	ug/L			10/22/24 18:05	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			10/22/24 18:05	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB5-W
Date Collected: 10/16/24 08:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-21
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	ug/L			10/22/24 18:05	1
n-Butylbenzene	ND		1.0	ug/L			10/22/24 18:05	1
N-Propylbenzene	ND		1.0	ug/L			10/22/24 18:05	1
o-Xylene	ND		1.0	ug/L			10/22/24 18:05	1
m,p-Xylene	ND		2.0	ug/L			10/22/24 18:05	1
p-Isopropyltoluene	ND		1.0	ug/L			10/22/24 18:05	1
sec-Butylbenzene	ND		1.0	ug/L			10/22/24 18:05	1
Styrene	ND		1.0	ug/L			10/22/24 18:05	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 18:05	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 18:05	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			10/22/24 18:05	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			10/22/24 18:05	1
Toluene	ND		1.0	ug/L			10/22/24 18:05	1
tert-Butylbenzene	ND		1.0	ug/L			10/22/24 18:05	1
Tetrachloroethene	ND		1.0	ug/L			10/22/24 18:05	1
Xylenes, Total	ND		2.0	ug/L			10/22/24 18:05	1
Trichloroethene	ND		1.0	ug/L			10/22/24 18:05	1
Trichlorofluoromethane	ND		10	ug/L			10/22/24 18:05	1
Vinyl acetate	ND		10	ug/L			10/22/24 18:05	1
Vinyl chloride	ND		0.50	ug/L			10/22/24 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 123		10/22/24 18:05	1
4-Bromofluorobenzene (Surr)	95		80 - 120		10/22/24 18:05	1
Dibromofluoromethane (Surr)	108		78 - 120		10/22/24 18:05	1
Toluene-d8 (Surr)	95		80 - 120		10/22/24 18:05	1

Client Sample ID: EWVB6-I
Date Collected: 10/16/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,1,1-Trichloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,1,2,2-Tetrachloroethane	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,1,2-Trichloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,1-Dichloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,1-Dichloroethene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,1-Dichloropropene	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,2,3-Trichlorobenzene	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,2,3-Trichloropropane	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,2,4-Trichlorobenzene	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,2,4-Trimethylbenzene	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,2-Dibromo-3-Chloropropane	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,2-Dibromoethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,2-Dichlorobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,2-Dichloroethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,2-Dichloropropane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,3,5-Trimethylbenzene	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,3-Dichlorobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB6-I
Date Collected: 10/16/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
1,4-Dichlorobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
2,2-Dichloropropane	ND		6.9	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
2-Butanone (MEK)	ND		28	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
2-Chlorotoluene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
2-Hexanone	ND		28	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
4-Chlorotoluene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
4-Methyl-2-pentanone (MIBK)	ND		28	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Acetone	64		28	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Benzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Bromobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Bromochloromethane	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Bromodichloromethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Bromoform	ND		6.9	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Bromomethane	ND		28	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
cis-1,2-Dichloroethene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
cis-1,3-Dichloropropene	ND	*+	1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Carbon disulfide	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Carbon tetrachloride	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Chlorobenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Chloroethane	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Chloroform	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Chloromethane	ND		28	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Dibromochloromethane	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Dibromomethane	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Dichlorodifluoromethane	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Di-isopropyl ether (DIPE)	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Ethanol	ND		340	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Ethylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Ethyl-t-butyl ether (ETBE)	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Isopropylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Methylene Chloride	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Methyl-t-Butyl Ether (MTBE)	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Naphthalene	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
n-Butylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
N-Propylbenzene	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
o-Xylene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
m,p-Xylene	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
p-Isopropyltoluene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
sec-Butylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Styrene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
trans-1,2-Dichloroethene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
trans-1,3-Dichloropropene	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Tert-amyl-methyl ether (TAME)	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
tert-Butyl alcohol (TBA)	ND		28	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Toluene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
tert-Butylbenzene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Tetrachloroethene	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Trichloroethene	ND		2.8	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB6-I
Date Collected: 10/16/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Vinyl acetate	ND		14	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Vinyl chloride	ND		1.4	ug/Kg	☼	10/17/24 17:41	10/22/24 17:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		32 - 179			10/17/24 17:41	10/22/24 17:40	1
4-Bromofluorobenzene (Surr)	88		80 - 120			10/17/24 17:41	10/22/24 17:40	1
Dibromofluoromethane (Surr)	107		58 - 147			10/17/24 17:41	10/22/24 17:40	1
Toluene-d8 (Surr)	98		80 - 120			10/17/24 17:41	10/22/24 17:40	1

Client Sample ID: EWBV6-D
Date Collected: 10/16/24 09:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-24
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,1,1-Trichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,1,2,2-Tetrachloroethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,1,2-Trichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,1-Dichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,1-Dichloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,1-Dichloropropene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,2,3-Trichlorobenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,2,3-Trichloropropane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,2,4-Trichlorobenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,2,4-Trimethylbenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,2-Dibromo-3-Chloropropane	ND		13	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,2-Dibromoethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,2-Dichlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,2-Dichloroethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,2-Dichloropropane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,3,5-Trimethylbenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,3-Dichlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,3-Dichloropropane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
1,4-Dichlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
2,2-Dichloropropane	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
2-Butanone (MEK)	ND		25	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
2-Chlorotoluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
2-Hexanone	ND		25	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
4-Chlorotoluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		25	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Acetone	53		25	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Benzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Bromobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Bromochloromethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Bromodichloromethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Bromoform	ND		6.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Bromomethane	ND		25	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
cis-1,2-Dichloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
cis-1,3-Dichloropropene	ND	*+	1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWBV6-D
Date Collected: 10/16/24 09:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-24
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		13	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Carbon tetrachloride	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Chlorobenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Chloroethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Chloroform	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Chloromethane	ND		25	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Dibromochloromethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Dibromomethane	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Dichlorodifluoromethane	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Di-isopropyl ether (DIPE)	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Ethanol	ND		320	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Ethylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Ethyl-t-butyl ether (ETBE)	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Isopropylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Methylene Chloride	ND		13	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Methyl-t-Butyl Ether (MTBE)	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Naphthalene	ND		13	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
n-Butylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
N-Propylbenzene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
o-Xylene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
m,p-Xylene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
p-Isopropyltoluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
sec-Butylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Styrene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
trans-1,2-Dichloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
trans-1,3-Dichloropropene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Tert-amyl-methyl ether (TAME)	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
tert-Butyl alcohol (TBA)	ND		25	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Toluene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
tert-Butylbenzene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Tetrachloroethene	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Trichloroethene	ND		2.5	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Trichlorofluoromethane	ND		13	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Vinyl acetate	ND		13	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1
Vinyl chloride	ND		1.3	ug/Kg	☼	10/17/24 17:41	10/22/24 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		32 - 179	10/17/24 17:41	10/22/24 18:03	1
4-Bromofluorobenzene (Surr)	89		80 - 120	10/17/24 17:41	10/22/24 18:03	1
Dibromofluoromethane (Surr)	109		58 - 147	10/17/24 17:41	10/22/24 18:03	1
Toluene-d8 (Surr)	98		80 - 120	10/17/24 17:41	10/22/24 18:03	1

Client Sample ID: EWBV6-W
Date Collected: 10/16/24 09:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-25
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			10/22/24 18:29	1
1,1,1-Trichloroethane	ND		1.0	ug/L			10/22/24 18:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			10/22/24 18:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			10/22/24 18:29	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWBV6-W
Date Collected: 10/16/24 09:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-25
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	ug/L			10/22/24 18:29	1
1,1-Dichloroethane	ND		1.0	ug/L			10/22/24 18:29	1
1,1-Dichloroethene	ND		1.0	ug/L			10/22/24 18:29	1
1,1-Dichloropropene	ND		1.0	ug/L			10/22/24 18:29	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			10/22/24 18:29	1
1,2,3-Trichloropropane	ND		5.0	ug/L			10/22/24 18:29	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			10/22/24 18:29	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			10/22/24 18:29	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			10/22/24 18:29	1
1,2-Dibromoethane	ND		1.0	ug/L			10/22/24 18:29	1
1,2-Dichlorobenzene	ND		1.0	ug/L			10/22/24 18:29	1
1,2-Dichloroethane	ND		0.50	ug/L			10/22/24 18:29	1
1,2-Dichloropropane	ND		1.0	ug/L			10/22/24 18:29	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			10/22/24 18:29	1
1,3-Dichlorobenzene	ND		1.0	ug/L			10/22/24 18:29	1
1,3-Dichloropropane	ND		1.0	ug/L			10/22/24 18:29	1
1,4-Dichlorobenzene	ND		1.0	ug/L			10/22/24 18:29	1
2,2-Dichloropropane	ND		1.0	ug/L			10/22/24 18:29	1
2-Butanone (MEK)	ND		10	ug/L			10/22/24 18:29	1
2-Chlorotoluene	ND		1.0	ug/L			10/22/24 18:29	1
2-Hexanone	ND		10	ug/L			10/22/24 18:29	1
4-Chlorotoluene	ND		1.0	ug/L			10/22/24 18:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	ug/L			10/22/24 18:29	1
Acetone	ND		10	ug/L			10/22/24 18:29	1
Benzene	ND		0.50	ug/L			10/22/24 18:29	1
Bromobenzene	ND		1.0	ug/L			10/22/24 18:29	1
Bromochloromethane	ND		2.0	ug/L			10/22/24 18:29	1
Bromodichloromethane	ND		1.0	ug/L			10/22/24 18:29	1
Bromoform	ND		5.0	ug/L			10/22/24 18:29	1
Bromomethane	ND		25	ug/L			10/22/24 18:29	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 18:29	1
cis-1,3-Dichloropropane	ND		0.50	ug/L			10/22/24 18:29	1
Carbon disulfide	ND		10	ug/L			10/22/24 18:29	1
Carbon tetrachloride	ND		0.50	ug/L			10/22/24 18:29	1
Chlorobenzene	ND		1.0	ug/L			10/22/24 18:29	1
Chloroethane	ND		5.0	ug/L			10/22/24 18:29	1
Chloroform	ND		1.0	ug/L			10/22/24 18:29	1
Chloromethane	ND		10	ug/L			10/22/24 18:29	1
Dibromochloromethane	ND		2.0	ug/L			10/22/24 18:29	1
Dibromomethane	ND		1.0	ug/L			10/22/24 18:29	1
Dichlorodifluoromethane	ND		5.0	ug/L			10/22/24 18:29	1
Di-isopropyl ether (DIPE)	ND		2.0	ug/L			10/22/24 18:29	1
Ethanol	ND		100	ug/L			10/22/24 18:29	1
Ethylbenzene	ND		1.0	ug/L			10/22/24 18:29	1
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			10/22/24 18:29	1
Isopropylbenzene	ND		1.0	ug/L			10/22/24 18:29	1
Methylene Chloride	ND		10	ug/L			10/22/24 18:29	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			10/22/24 18:29	1
Naphthalene	ND		10	ug/L			10/22/24 18:29	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWBV6-W
Date Collected: 10/16/24 09:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-25
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	ug/L			10/22/24 18:29	1
N-Propylbenzene	ND		1.0	ug/L			10/22/24 18:29	1
o-Xylene	ND		1.0	ug/L			10/22/24 18:29	1
m,p-Xylene	ND		2.0	ug/L			10/22/24 18:29	1
p-Isopropyltoluene	ND		1.0	ug/L			10/22/24 18:29	1
sec-Butylbenzene	ND		1.0	ug/L			10/22/24 18:29	1
Styrene	ND		1.0	ug/L			10/22/24 18:29	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 18:29	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 18:29	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			10/22/24 18:29	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			10/22/24 18:29	1
Toluene	ND		1.0	ug/L			10/22/24 18:29	1
tert-Butylbenzene	ND		1.0	ug/L			10/22/24 18:29	1
Tetrachloroethene	ND		1.0	ug/L			10/22/24 18:29	1
Xylenes, Total	ND		2.0	ug/L			10/22/24 18:29	1
Trichloroethene	ND		1.0	ug/L			10/22/24 18:29	1
Trichlorofluoromethane	ND		10	ug/L			10/22/24 18:29	1
Vinyl acetate	ND		10	ug/L			10/22/24 18:29	1
Vinyl chloride	ND		0.50	ug/L			10/22/24 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		70 - 123		10/22/24 18:29	1
4-Bromofluorobenzene (Surr)	96		80 - 120		10/22/24 18:29	1
Dibromofluoromethane (Surr)	108		78 - 120		10/22/24 18:29	1
Toluene-d8 (Surr)	99		80 - 120		10/22/24 18:29	1

Client Sample ID: UOSVB4-W
Date Collected: 10/16/24 10:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-26
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			10/22/24 18:52	1
1,1,1-Trichloroethane	ND		1.0	ug/L			10/22/24 18:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			10/22/24 18:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			10/22/24 18:52	1
1,1,2-Trichloroethane	ND		1.0	ug/L			10/22/24 18:52	1
1,1-Dichloroethane	ND		1.0	ug/L			10/22/24 18:52	1
1,1-Dichloroethene	ND		1.0	ug/L			10/22/24 18:52	1
1,1-Dichloropropene	ND		1.0	ug/L			10/22/24 18:52	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			10/22/24 18:52	1
1,2,3-Trichloropropane	ND		5.0	ug/L			10/22/24 18:52	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			10/22/24 18:52	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			10/22/24 18:52	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			10/22/24 18:52	1
1,2-Dibromoethane	ND		1.0	ug/L			10/22/24 18:52	1
1,2-Dichlorobenzene	ND		1.0	ug/L			10/22/24 18:52	1
1,2-Dichloroethane	ND		0.50	ug/L			10/22/24 18:52	1
1,2-Dichloropropane	ND		1.0	ug/L			10/22/24 18:52	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			10/22/24 18:52	1
1,3-Dichlorobenzene	ND		1.0	ug/L			10/22/24 18:52	1
1,3-Dichloropropane	ND		1.0	ug/L			10/22/24 18:52	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB4-W
Date Collected: 10/16/24 10:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-26
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	ug/L			10/22/24 18:52	1
2,2-Dichloropropane	ND		1.0	ug/L			10/22/24 18:52	1
2-Butanone (MEK)	ND		10	ug/L			10/22/24 18:52	1
2-Chlorotoluene	ND		1.0	ug/L			10/22/24 18:52	1
2-Hexanone	ND		10	ug/L			10/22/24 18:52	1
4-Chlorotoluene	ND		1.0	ug/L			10/22/24 18:52	1
4-Methyl-2-pentanone (MIBK)	ND		10	ug/L			10/22/24 18:52	1
Acetone	14		10	ug/L			10/22/24 18:52	1
Benzene	ND		0.50	ug/L			10/22/24 18:52	1
Bromobenzene	ND		1.0	ug/L			10/22/24 18:52	1
Bromochloromethane	ND		2.0	ug/L			10/22/24 18:52	1
Bromodichloromethane	ND		1.0	ug/L			10/22/24 18:52	1
Bromoform	ND		5.0	ug/L			10/22/24 18:52	1
Bromomethane	ND		25	ug/L			10/22/24 18:52	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 18:52	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 18:52	1
Carbon disulfide	ND		10	ug/L			10/22/24 18:52	1
Carbon tetrachloride	ND		0.50	ug/L			10/22/24 18:52	1
Chlorobenzene	ND		1.0	ug/L			10/22/24 18:52	1
Chloroethane	ND		5.0	ug/L			10/22/24 18:52	1
Chloroform	ND		1.0	ug/L			10/22/24 18:52	1
Chloromethane	ND		10	ug/L			10/22/24 18:52	1
Dibromochloromethane	ND		2.0	ug/L			10/22/24 18:52	1
Dibromomethane	ND		1.0	ug/L			10/22/24 18:52	1
Dichlorodifluoromethane	ND		5.0	ug/L			10/22/24 18:52	1
Di-isopropyl ether (DIPE)	ND		2.0	ug/L			10/22/24 18:52	1
Ethanol	ND		100	ug/L			10/22/24 18:52	1
Ethylbenzene	ND		1.0	ug/L			10/22/24 18:52	1
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			10/22/24 18:52	1
Isopropylbenzene	ND		1.0	ug/L			10/22/24 18:52	1
Methylene Chloride	ND		10	ug/L			10/22/24 18:52	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			10/22/24 18:52	1
Naphthalene	ND		10	ug/L			10/22/24 18:52	1
n-Butylbenzene	ND		1.0	ug/L			10/22/24 18:52	1
N-Propylbenzene	ND		1.0	ug/L			10/22/24 18:52	1
o-Xylene	ND		1.0	ug/L			10/22/24 18:52	1
m,p-Xylene	ND		2.0	ug/L			10/22/24 18:52	1
p-Isopropyltoluene	ND		1.0	ug/L			10/22/24 18:52	1
sec-Butylbenzene	ND		1.0	ug/L			10/22/24 18:52	1
Styrene	ND		1.0	ug/L			10/22/24 18:52	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 18:52	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 18:52	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			10/22/24 18:52	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			10/22/24 18:52	1
Toluene	1.9		1.0	ug/L			10/22/24 18:52	1
tert-Butylbenzene	ND		1.0	ug/L			10/22/24 18:52	1
Tetrachloroethene	ND		1.0	ug/L			10/22/24 18:52	1
Xylenes, Total	ND		2.0	ug/L			10/22/24 18:52	1
Trichloroethene	ND		1.0	ug/L			10/22/24 18:52	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB4-W
Date Collected: 10/16/24 10:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-26
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		10	ug/L			10/22/24 18:52	1
Vinyl acetate	ND		10	ug/L			10/22/24 18:52	1
Vinyl chloride	ND		0.50	ug/L			10/22/24 18:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 123				10/22/24 18:52	1
4-Bromofluorobenzene (Surr)	100		80 - 120				10/22/24 18:52	1
Dibromofluoromethane (Surr)	106		78 - 120				10/22/24 18:52	1
Toluene-d8 (Surr)	99		80 - 120				10/22/24 18:52	1

Client Sample ID: UOSVB2-W
Date Collected: 10/16/24 10:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-27
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			10/22/24 19:15	1
1,1,1-Trichloroethane	ND		1.0	ug/L			10/22/24 19:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			10/22/24 19:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			10/22/24 19:15	1
1,1,2-Trichloroethane	ND		1.0	ug/L			10/22/24 19:15	1
1,1-Dichloroethane	ND		1.0	ug/L			10/22/24 19:15	1
1,1-Dichloroethene	ND		1.0	ug/L			10/22/24 19:15	1
1,1-Dichloropropene	ND		1.0	ug/L			10/22/24 19:15	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			10/22/24 19:15	1
1,2,3-Trichloropropane	ND		5.0	ug/L			10/22/24 19:15	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			10/22/24 19:15	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			10/22/24 19:15	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			10/22/24 19:15	1
1,2-Dibromoethane	ND		1.0	ug/L			10/22/24 19:15	1
1,2-Dichlorobenzene	ND		1.0	ug/L			10/22/24 19:15	1
1,2-Dichloroethane	ND		0.50	ug/L			10/22/24 19:15	1
1,2-Dichloropropane	ND		1.0	ug/L			10/22/24 19:15	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			10/22/24 19:15	1
1,3-Dichlorobenzene	ND		1.0	ug/L			10/22/24 19:15	1
1,3-Dichloropropane	ND		1.0	ug/L			10/22/24 19:15	1
1,4-Dichlorobenzene	ND		1.0	ug/L			10/22/24 19:15	1
2,2-Dichloropropane	ND		1.0	ug/L			10/22/24 19:15	1
2-Butanone (MEK)	ND		10	ug/L			10/22/24 19:15	1
2-Chlorotoluene	ND		1.0	ug/L			10/22/24 19:15	1
2-Hexanone	ND		10	ug/L			10/22/24 19:15	1
4-Chlorotoluene	ND		1.0	ug/L			10/22/24 19:15	1
4-Methyl-2-pentanone (MIBK)	ND		10	ug/L			10/22/24 19:15	1
Acetone	ND		10	ug/L			10/22/24 19:15	1
Benzene	ND		0.50	ug/L			10/22/24 19:15	1
Bromobenzene	ND		1.0	ug/L			10/22/24 19:15	1
Bromochloromethane	ND		2.0	ug/L			10/22/24 19:15	1
Bromodichloromethane	ND		1.0	ug/L			10/22/24 19:15	1
Bromoform	ND		5.0	ug/L			10/22/24 19:15	1
Bromomethane	ND		25	ug/L			10/22/24 19:15	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 19:15	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 19:15	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: UOSVB2-W
Date Collected: 10/16/24 10:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-27
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		10	ug/L			10/22/24 19:15	1
Carbon tetrachloride	ND		0.50	ug/L			10/22/24 19:15	1
Chlorobenzene	ND		1.0	ug/L			10/22/24 19:15	1
Chloroethane	ND		5.0	ug/L			10/22/24 19:15	1
Chloroform	ND		1.0	ug/L			10/22/24 19:15	1
Chloromethane	ND		10	ug/L			10/22/24 19:15	1
Dibromochloromethane	ND		2.0	ug/L			10/22/24 19:15	1
Dibromomethane	ND		1.0	ug/L			10/22/24 19:15	1
Dichlorodifluoromethane	ND		5.0	ug/L			10/22/24 19:15	1
Di-isopropyl ether (DIPE)	ND		2.0	ug/L			10/22/24 19:15	1
Ethanol	ND		100	ug/L			10/22/24 19:15	1
Ethylbenzene	ND		1.0	ug/L			10/22/24 19:15	1
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			10/22/24 19:15	1
Isopropylbenzene	ND		1.0	ug/L			10/22/24 19:15	1
Methylene Chloride	ND		10	ug/L			10/22/24 19:15	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			10/22/24 19:15	1
Naphthalene	ND		10	ug/L			10/22/24 19:15	1
n-Butylbenzene	ND		1.0	ug/L			10/22/24 19:15	1
N-Propylbenzene	ND		1.0	ug/L			10/22/24 19:15	1
o-Xylene	ND		1.0	ug/L			10/22/24 19:15	1
m,p-Xylene	ND		2.0	ug/L			10/22/24 19:15	1
p-Isopropyltoluene	ND		1.0	ug/L			10/22/24 19:15	1
sec-Butylbenzene	ND		1.0	ug/L			10/22/24 19:15	1
Styrene	ND		1.0	ug/L			10/22/24 19:15	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 19:15	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 19:15	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			10/22/24 19:15	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			10/22/24 19:15	1
Toluene	ND		1.0	ug/L			10/22/24 19:15	1
tert-Butylbenzene	ND		1.0	ug/L			10/22/24 19:15	1
Tetrachloroethene	ND		1.0	ug/L			10/22/24 19:15	1
Xylenes, Total	ND		2.0	ug/L			10/22/24 19:15	1
Trichloroethene	ND		1.0	ug/L			10/22/24 19:15	1
Trichlorofluoromethane	ND		10	ug/L			10/22/24 19:15	1
Vinyl acetate	ND		10	ug/L			10/22/24 19:15	1
Vinyl chloride	ND		0.50	ug/L			10/22/24 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		70 - 123		10/22/24 19:15	1
4-Bromofluorobenzene (Surr)	92		80 - 120		10/22/24 19:15	1
Dibromofluoromethane (Surr)	109		78 - 120		10/22/24 19:15	1
Toluene-d8 (Surr)	91		80 - 120		10/22/24 19:15	1

Client Sample ID: IDW-S
Date Collected: 10/16/24 10:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-28
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg	✱	10/17/24 17:41	10/22/24 18:25	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg	✱	10/17/24 17:41	10/22/24 18:25	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg	✱	10/17/24 17:41	10/22/24 18:25	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: IDW-S
Date Collected: 10/16/24 10:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-28
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,1-Dichloroethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,1-Dichloroethene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,1-Dichloropropene	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,2-Dibromoethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,2-Dichloroethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,2-Dichloropropane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,3-Dichloropropane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
2,2-Dichloropropane	ND		5.1	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
2-Butanone (MEK)	ND		20	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
2-Chlorotoluene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
2-Hexanone	ND		20	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
4-Chlorotoluene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		20	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Acetone	25		20	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Benzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Bromobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Bromochloromethane	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Bromodichloromethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Bromoform	ND		5.1	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Bromomethane	ND		20	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
cis-1,2-Dichloroethene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
cis-1,3-Dichloropropene	ND	+	1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Carbon disulfide	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Carbon tetrachloride	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Chlorobenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Chloroethane	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Chloroform	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Chloromethane	ND		20	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Dibromochloromethane	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Dibromomethane	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Dichlorodifluoromethane	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Di-isopropyl ether (DIPE)	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Ethanol	ND		260	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Ethylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Isopropylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Methylene Chloride	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: IDW-S
Date Collected: 10/16/24 10:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-28
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
n-Butylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
N-Propylbenzene	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
o-Xylene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
m,p-Xylene	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
p-Isopropyltoluene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
sec-Butylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Styrene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
trans-1,2-Dichloroethene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Toluene	12		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
tert-Butylbenzene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Tetrachloroethene	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Trichloroethene	ND		2.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Trichlorofluoromethane	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Vinyl acetate	ND		10	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1
Vinyl chloride	ND		1.0	ug/Kg	☼	10/17/24 17:41	10/22/24 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		32 - 179	10/17/24 17:41	10/22/24 18:25	1
4-Bromofluorobenzene (Surr)	91		80 - 120	10/17/24 17:41	10/22/24 18:25	1
Dibromofluoromethane (Surr)	106		58 - 147	10/17/24 17:41	10/22/24 18:25	1
Toluene-d8 (Surr)	101		80 - 120	10/17/24 17:41	10/22/24 18:25	1

Client Sample ID: IDW-W
Date Collected: 10/16/24 10:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-29
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			10/22/24 19:38	1
1,1,1-Trichloroethane	ND		1.0	ug/L			10/22/24 19:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			10/22/24 19:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			10/22/24 19:38	1
1,1,2-Trichloroethane	ND		1.0	ug/L			10/22/24 19:38	1
1,1-Dichloroethane	ND		1.0	ug/L			10/22/24 19:38	1
1,1-Dichloroethene	ND		1.0	ug/L			10/22/24 19:38	1
1,1-Dichloropropene	ND		1.0	ug/L			10/22/24 19:38	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			10/22/24 19:38	1
1,2,3-Trichloropropane	ND		5.0	ug/L			10/22/24 19:38	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			10/22/24 19:38	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			10/22/24 19:38	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			10/22/24 19:38	1
1,2-Dibromoethane	ND		1.0	ug/L			10/22/24 19:38	1
1,2-Dichlorobenzene	ND		1.0	ug/L			10/22/24 19:38	1
1,2-Dichloroethane	ND		0.50	ug/L			10/22/24 19:38	1
1,2-Dichloropropane	ND		1.0	ug/L			10/22/24 19:38	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			10/22/24 19:38	1
1,3-Dichlorobenzene	ND		1.0	ug/L			10/22/24 19:38	1
1,3-Dichloropropane	ND		1.0	ug/L			10/22/24 19:38	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: IDW-W
Date Collected: 10/16/24 10:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-29
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	ug/L			10/22/24 19:38	1
2,2-Dichloropropane	ND		1.0	ug/L			10/22/24 19:38	1
2-Butanone (MEK)	ND		10	ug/L			10/22/24 19:38	1
2-Chlorotoluene	ND		1.0	ug/L			10/22/24 19:38	1
2-Hexanone	ND		10	ug/L			10/22/24 19:38	1
4-Chlorotoluene	ND		1.0	ug/L			10/22/24 19:38	1
4-Methyl-2-pentanone (MIBK)	ND		10	ug/L			10/22/24 19:38	1
Acetone	11		10	ug/L			10/22/24 19:38	1
Benzene	ND		0.50	ug/L			10/22/24 19:38	1
Bromobenzene	ND		1.0	ug/L			10/22/24 19:38	1
Bromochloromethane	ND		2.0	ug/L			10/22/24 19:38	1
Bromodichloromethane	ND		1.0	ug/L			10/22/24 19:38	1
Bromoform	ND		5.0	ug/L			10/22/24 19:38	1
Bromomethane	ND		25	ug/L			10/22/24 19:38	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 19:38	1
cis-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 19:38	1
Carbon disulfide	ND		10	ug/L			10/22/24 19:38	1
Carbon tetrachloride	ND		0.50	ug/L			10/22/24 19:38	1
Chlorobenzene	ND		1.0	ug/L			10/22/24 19:38	1
Chloroethane	ND		5.0	ug/L			10/22/24 19:38	1
Chloroform	ND		1.0	ug/L			10/22/24 19:38	1
Chloromethane	ND		10	ug/L			10/22/24 19:38	1
Dibromochloromethane	ND		2.0	ug/L			10/22/24 19:38	1
Dibromomethane	ND		1.0	ug/L			10/22/24 19:38	1
Dichlorodifluoromethane	ND		5.0	ug/L			10/22/24 19:38	1
Di-isopropyl ether (DIPE)	ND		2.0	ug/L			10/22/24 19:38	1
Ethanol	ND		100	ug/L			10/22/24 19:38	1
Ethylbenzene	ND		1.0	ug/L			10/22/24 19:38	1
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			10/22/24 19:38	1
Isopropylbenzene	ND		1.0	ug/L			10/22/24 19:38	1
Methylene Chloride	ND		10	ug/L			10/22/24 19:38	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			10/22/24 19:38	1
Naphthalene	ND		10	ug/L			10/22/24 19:38	1
n-Butylbenzene	ND		1.0	ug/L			10/22/24 19:38	1
N-Propylbenzene	ND		1.0	ug/L			10/22/24 19:38	1
o-Xylene	ND		1.0	ug/L			10/22/24 19:38	1
m,p-Xylene	ND		2.0	ug/L			10/22/24 19:38	1
p-Isopropyltoluene	ND		1.0	ug/L			10/22/24 19:38	1
sec-Butylbenzene	ND		1.0	ug/L			10/22/24 19:38	1
Styrene	ND		1.0	ug/L			10/22/24 19:38	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 19:38	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 19:38	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			10/22/24 19:38	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			10/22/24 19:38	1
Toluene	ND		1.0	ug/L			10/22/24 19:38	1
tert-Butylbenzene	ND		1.0	ug/L			10/22/24 19:38	1
Tetrachloroethene	ND		1.0	ug/L			10/22/24 19:38	1
Xylenes, Total	ND		2.0	ug/L			10/22/24 19:38	1
Trichloroethene	ND		1.0	ug/L			10/22/24 19:38	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: IDW-W
Date Collected: 10/16/24 10:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-29
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		10	ug/L			10/22/24 19:38	1
Vinyl acetate	ND		10	ug/L			10/22/24 19:38	1
Vinyl chloride	ND		0.50	ug/L			10/22/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 123				10/22/24 19:38	1
4-Bromofluorobenzene (Surr)	103		80 - 120				10/22/24 19:38	1
Dibromofluoromethane (Surr)	105		78 - 120				10/22/24 19:38	1
Toluene-d8 (Surr)	95		80 - 120				10/22/24 19:38	1

Client Sample ID: EWVB6-S
Date Collected: 10/16/24 08:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,1,1-Trichloroethane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,1,2,2-Tetrachloroethane	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,1,2-Trichloroethane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,1-Dichloroethane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,1-Dichloroethene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,1-Dichloropropene	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,2,3-Trichlorobenzene	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,2,3-Trichloropropane	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,2,4-Trichlorobenzene	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,2,4-Trimethylbenzene	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,2-Dibromo-3-Chloropropane	ND		7.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,2-Dibromoethane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,2-Dichlorobenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,2-Dichloroethane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,2-Dichloropropane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,3,5-Trimethylbenzene	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,3-Dichlorobenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,3-Dichloropropane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
1,4-Dichlorobenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
2,2-Dichloropropane	ND		3.7	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
2-Butanone (MEK)	ND		15	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
2-Chlorotoluene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
2-Hexanone	ND		15	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
4-Chlorotoluene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		15	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Acetone	18		15	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Benzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Bromobenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Bromochloromethane	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Bromodichloromethane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Bromoform	ND		3.7	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Bromomethane	ND		15	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
cis-1,2-Dichloroethene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
cis-1,3-Dichloropropene	ND	+	0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: EWVB6-S
Date Collected: 10/16/24 08:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		7.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Carbon tetrachloride	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Chlorobenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Chloroethane	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Chloroform	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Chloromethane	ND		15	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Dibromochloromethane	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Dibromomethane	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Dichlorodifluoromethane	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Di-isopropyl ether (DIPE)	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Ethanol	ND		190	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Ethylbenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Ethyl-t-butyl ether (ETBE)	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Isopropylbenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Methylene Chloride	ND		7.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Naphthalene	ND		7.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
n-Butylbenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
N-Propylbenzene	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
o-Xylene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
m,p-Xylene	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
p-Isopropyltoluene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
sec-Butylbenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Styrene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
trans-1,2-Dichloroethene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
trans-1,3-Dichloropropene	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Tert-amyl-methyl ether (TAME)	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
tert-Butyl alcohol (TBA)	ND		15	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Toluene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
tert-Butylbenzene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Tetrachloroethene	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Trichloroethene	ND		1.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Trichlorofluoromethane	ND		7.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Vinyl acetate	ND		7.5	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Vinyl chloride	ND		0.75	ug/Kg		10/17/24 17:41	10/22/24 18:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	110		32 - 179			10/17/24 17:41	10/22/24 18:47	1
<i>4-Bromofluorobenzene (Surr)</i>	92		80 - 120			10/17/24 17:41	10/22/24 18:47	1
<i>Dibromofluoromethane (Surr)</i>	109		58 - 147			10/17/24 17:41	10/22/24 18:47	1
<i>Toluene-d8 (Surr)</i>	99		80 - 120			10/17/24 17:41	10/22/24 18:47	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Client Sample ID: IGGESV-0
Date Collected: 10/15/24 08:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		10	mg/Kg	☼	10/18/24 17:57	10/19/24 10:14	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65		50 - 150			10/18/24 17:57	10/19/24 10:14	20

Client Sample ID: IGGESV-6
Date Collected: 10/15/24 08:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		11	mg/Kg	☼	10/18/24 17:57	10/19/24 10:39	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61		50 - 150			10/18/24 17:57	10/19/24 10:39	20

Client Sample ID: GCSTD
Date Collected: 10/15/24 08:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-3
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		49	mg/Kg	☼	10/18/24 17:57	10/19/24 11:03	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		50 - 150			10/18/24 17:57	10/19/24 11:03	20

Client Sample ID: OTEWSV-4
Date Collected: 10/15/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		51	mg/Kg	☼	10/18/24 17:57	10/19/24 11:27	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63		50 - 150			10/18/24 17:57	10/19/24 11:27	20

Client Sample ID: UOSVB1-S
Date Collected: 10/15/24 10:55
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.28	mg/Kg	☼	10/18/24 17:57	10/19/24 04:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		50 - 150			10/18/24 17:57	10/19/24 04:37	1

Client Sample ID: UOSVB1-I
Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-6
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.28	mg/Kg	☼	10/18/24 17:57	10/19/24 05:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	52		50 - 150			10/18/24 17:57	10/19/24 05:01	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Client Sample ID: UOSVB1-D
Date Collected: 10/15/24 12:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.27	mg/Kg	☼	10/18/24 17:57	10/19/24 05:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	54		50 - 150			10/18/24 17:57	10/19/24 05:25	1

Client Sample ID: UOSVB2-S
Date Collected: 10/15/24 12:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.29	mg/Kg	☼	10/18/24 17:57	10/19/24 05:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69		50 - 150			10/18/24 17:57	10/19/24 05:49	1

Client Sample ID: UOSVB2-I
Date Collected: 10/15/24 12:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-9
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.27	mg/Kg	☼	10/18/24 17:57	10/19/24 06:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69		50 - 150			10/18/24 17:57	10/19/24 06:14	1

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.28	mg/Kg	☼	10/25/24 11:53	10/25/24 13:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		50 - 150			10/25/24 11:53	10/25/24 13:48	1

Client Sample ID: UOSVB3-S
Date Collected: 10/15/24 14:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.30	mg/Kg	☼	10/22/24 15:46	10/23/24 01:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		50 - 150			10/22/24 15:46	10/23/24 01:05	1

Client Sample ID: UOSVB3-I
Date Collected: 10/15/24 14:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-12
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.28	mg/Kg	☼	10/22/24 15:46	10/23/24 01:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		50 - 150			10/22/24 15:46	10/23/24 01:24	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Client Sample ID: UOSVB3-D
Date Collected: 10/15/24 15:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.31	mg/Kg	☼	10/22/24 15:46	10/23/24 01:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150			10/22/24 15:46	10/23/24 01:43	1

Client Sample ID: UOSVB4-S
Date Collected: 10/15/24 16:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	0.31		0.25	mg/Kg	☼	10/18/24 17:57	10/19/24 06:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64		50 - 150			10/18/24 17:57	10/19/24 06:38	1

Client Sample ID: UOSVB4-I
Date Collected: 10/15/24 16:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-15
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.34	mg/Kg	☼	10/18/24 17:57	10/19/24 07:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		50 - 150			10/18/24 17:57	10/19/24 07:02	1

Client Sample ID: UOSVB4-D
Date Collected: 10/15/24 17:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-16
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.29	mg/Kg	☼	10/18/24 17:57	10/19/24 07:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		50 - 150			10/18/24 17:57	10/19/24 07:26	1

Client Sample ID: UOSVB1-W
Date Collected: 10/15/24 12:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-17
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		10/18/24 15:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65		50 - 150				10/18/24 15:01	1

Client Sample ID: EWVB5-S
Date Collected: 10/16/24 07:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-18
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.0025	mg/Kg	☼	10/18/24 17:57	10/19/24 03:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		50 - 150			10/18/24 17:57	10/19/24 03:25	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Client Sample ID: EWVB5-I
Date Collected: 10/16/24 07:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-19
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.31	mg/Kg	☼	10/18/24 17:57	10/19/24 07:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150			10/18/24 17:57	10/19/24 07:50	1

Client Sample ID: EWVB5-D
Date Collected: 10/16/24 08:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-20
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.31	mg/Kg	☼	10/18/24 17:57	10/19/24 09:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65		50 - 150			10/18/24 17:57	10/19/24 09:02	1

Client Sample ID: EWVB5-W
Date Collected: 10/16/24 08:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-21
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		10/18/24 15:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64		50 - 150				10/18/24 15:27	1

Client Sample ID: EWVB6-I
Date Collected: 10/16/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.31	mg/Kg	☼	10/18/24 17:57	10/19/24 09:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65		50 - 150			10/18/24 17:57	10/19/24 09:26	1

Client Sample ID: EWVB6-D
Date Collected: 10/16/24 09:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-24
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.31	mg/Kg	☼	10/18/24 17:57	10/19/24 09:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66		50 - 150			10/18/24 17:57	10/19/24 09:50	1

Client Sample ID: EWVB6-W
Date Collected: 10/16/24 09:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-25
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		10/18/24 19:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		50 - 150				10/18/24 19:31	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Client Sample ID: UOSVB4-W
Date Collected: 10/16/24 10:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-26
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		10/18/24 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65		50 - 150				10/18/24 19:57	1

Client Sample ID: UOSVB2-W
Date Collected: 10/16/24 10:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-27
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		10/18/24 20:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150				10/18/24 20:24	1

Client Sample ID: IDW-S
Date Collected: 10/16/24 10:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-28
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.25	mg/Kg	*	10/24/24 10:56	10/24/24 13:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150			10/24/24 10:56	10/24/24 13:29	1

Client Sample ID: IDW-W
Date Collected: 10/16/24 10:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-29
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		100	ug/L	-		10/18/24 20:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		50 - 150				10/18/24 20:50	1

Client Sample ID: EWVB6-S
Date Collected: 10/16/24 08:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.25	mg/Kg	-	10/22/24 15:46	10/22/24 22:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		50 - 150			10/22/24 15:46	10/22/24 22:54	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8081A - Organochlorine Pesticides (GC)

Client Sample ID: EWVB5-S
Date Collected: 10/16/24 07:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-18
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
4,4'-DDE	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
4,4'-DDT	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Aldrin	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
alpha-BHC	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
alpha-Chlordane	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
beta-BHC	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Chlordane	ND		25	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
delta-BHC	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Dieldrin	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Endosulfan I	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Endosulfan II	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Endosulfan sulfate	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Endrin	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Endrin aldehyde	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Endrin ketone	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
gamma-Chlordane	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
gamma-BHC (Lindane)	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Heptachlor	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Heptachlor epoxide	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Methoxychlor	ND		5.1	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1
Toxaphene	ND		25	ug/Kg	✳	10/18/24 18:22	10/24/24 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene (Surr)</i>	74		38 - 148	10/18/24 18:22	10/24/24 12:53	1
<i>DCB Decachlorobiphenyl (Surr)</i>	71		37 - 151	10/18/24 18:22	10/24/24 12:53	1

Client Sample ID: EWVB5-W
Date Collected: 10/16/24 08:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-21
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.040	ug/L		10/21/24 08:16	10/29/24 16:15	1
4,4'-DDE	0.066		0.020	ug/L		10/21/24 08:16	10/29/24 16:15	1
4,4'-DDT	ND		0.020	ug/L		10/21/24 08:16	10/29/24 16:15	1
Aldrin	ND		0.020	ug/L		10/21/24 08:16	10/29/24 16:15	1
alpha-BHC	ND		0.0080	ug/L		10/21/24 08:16	10/29/24 16:15	1
alpha-Chlordane	ND		0.020	ug/L		10/21/24 08:16	10/29/24 16:15	1
beta-BHC	ND		0.030	ug/L		10/21/24 08:16	10/29/24 16:15	1
Chlordane	ND		0.20	ug/L		10/21/24 08:16	10/29/24 16:15	1
delta-BHC	ND		0.020	ug/L		10/21/24 08:16	10/29/24 16:15	1
Dieldrin	ND		0.020	ug/L		10/21/24 08:16	10/29/24 16:15	1
Endosulfan I	ND		0.0080	ug/L		10/21/24 08:16	10/29/24 16:15	1
Endosulfan II	ND		0.040	ug/L		10/21/24 08:16	10/29/24 16:15	1
Endosulfan sulfate	ND		0.020	ug/L		10/21/24 08:16	10/29/24 16:15	1
Endrin	ND		0.020	ug/L		10/21/24 08:16	10/29/24 16:15	1
Endrin aldehyde	ND		0.20	ug/L		10/21/24 08:16	10/29/24 16:15	1
Endrin ketone	ND		0.020	ug/L		10/21/24 08:16	10/29/24 16:15	1
gamma-Chlordane	ND		0.060	ug/L		10/21/24 08:16	10/29/24 16:15	1
gamma-BHC (Lindane)	ND		0.0080	ug/L		10/21/24 08:16	10/29/24 16:15	1
Heptachlor	ND		0.0080	ug/L		10/21/24 08:16	10/29/24 16:15	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 8081A - Organochlorine Pesticides (GC) (Continued)

Client Sample ID: EWVB5-W
Date Collected: 10/16/24 08:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-21
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		0.040	ug/L		10/21/24 08:16	10/29/24 16:15	1
Methoxychlor	ND		0.040	ug/L		10/21/24 08:16	10/29/24 16:15	1
Toxaphene	ND		0.40	ug/L		10/21/24 08:16	10/29/24 16:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene (Surr)</i>	130		49 - 132			10/21/24 08:16	10/29/24 16:15	1
<i>DCB Decachlorobiphenyl (Surr)</i>	142		10 - 142			10/21/24 08:16	10/29/24 16:15	1

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- 2
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- 14
- 15

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Client Sample ID: OTEWSV-4
Date Collected: 10/15/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	720		47	mg/Kg	☼	10/18/24 11:33	10/25/24 05:44	1
TPH as Motor Oil Range	4100		47	mg/Kg	☼	10/18/24 11:33	10/25/24 05:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	106		50 - 150			10/18/24 11:33	10/25/24 05:44	1

Client Sample ID: UOSVB1-S
Date Collected: 10/15/24 10:55
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		5.7	mg/Kg	☼	10/18/24 11:34	10/25/24 04:20	1
TPH as Motor Oil Range	ND		5.7	mg/Kg	☼	10/18/24 11:34	10/25/24 04:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	98		50 - 150			10/18/24 11:34	10/25/24 04:20	1

Client Sample ID: UOSVB1-I
Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-6
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	7.3		5.6	mg/Kg	☼	10/18/24 11:34	10/25/24 06:04	1
TPH as Motor Oil Range	7.8		5.6	mg/Kg	☼	10/18/24 11:34	10/25/24 06:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	98		50 - 150			10/18/24 11:34	10/25/24 06:04	1

Client Sample ID: UOSVB1-D
Date Collected: 10/15/24 12:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	5.4		5.4	mg/Kg	☼	10/18/24 11:34	10/25/24 06:25	1
TPH as Motor Oil Range	ND		5.4	mg/Kg	☼	10/18/24 11:34	10/25/24 06:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	96		50 - 150			10/18/24 11:34	10/25/24 06:25	1

Client Sample ID: UOSVB2-S
Date Collected: 10/15/24 12:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	16		6.0	mg/Kg	☼	10/18/24 11:34	10/25/24 06:46	1
TPH as Motor Oil Range	59		6.0	mg/Kg	☼	10/18/24 11:34	10/25/24 06:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	97		50 - 150			10/18/24 11:34	10/25/24 06:46	1

Client Sample ID: UOSVB2-I
Date Collected: 10/15/24 12:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-9
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	6.3		5.5	mg/Kg	☼	10/18/24 11:34	10/25/24 07:07	1
TPH as Motor Oil Range	6.3		5.5	mg/Kg	☼	10/18/24 11:34	10/25/24 07:07	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	99		50 - 150			10/18/24 11:34	10/25/24 07:07	1
Client Sample ID: UOSVB2-D Date Collected: 10/15/24 13:20 Date Received: 10/17/24 09:40						Lab Sample ID: 570-203269-10 Matrix: Solid		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		5.6	mg/Kg	✧	10/23/24 16:02	10/23/24 21:19	1
TPH as Motor Oil Range	ND		5.6	mg/Kg	✧	10/23/24 16:02	10/23/24 21:19	1
<i>n</i> -Octacosane (Surr)	81		50 - 150			10/23/24 16:02	10/23/24 21:19	1
Client Sample ID: UOSVB3-S Date Collected: 10/15/24 14:05 Date Received: 10/17/24 09:40						Lab Sample ID: 570-203269-11 Matrix: Solid		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	15		6.1	mg/Kg	✧	10/23/24 16:02	10/23/24 21:40	1
TPH as Motor Oil Range	230		6.1	mg/Kg	✧	10/23/24 16:02	10/23/24 21:40	1
<i>n</i> -Octacosane (Surr)	86		50 - 150			10/23/24 16:02	10/23/24 21:40	1
Client Sample ID: UOSVB3-I Date Collected: 10/15/24 14:35 Date Received: 10/17/24 09:40						Lab Sample ID: 570-203269-12 Matrix: Solid		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		5.8	mg/Kg	✧	10/23/24 16:02	10/23/24 22:00	1
TPH as Motor Oil Range	14		5.8	mg/Kg	✧	10/23/24 16:02	10/23/24 22:00	1
<i>n</i> -Octacosane (Surr)	89		50 - 150			10/23/24 16:02	10/23/24 22:00	1
Client Sample ID: UOSVB3-D Date Collected: 10/15/24 15:35 Date Received: 10/17/24 09:40						Lab Sample ID: 570-203269-13 Matrix: Solid		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		6.2	mg/Kg	✧	10/23/24 16:02	10/23/24 22:21	1
TPH as Motor Oil Range	ND		6.2	mg/Kg	✧	10/23/24 16:02	10/23/24 22:21	1
<i>n</i> -Octacosane (Surr)	87		50 - 150			10/23/24 16:02	10/23/24 22:21	1
Client Sample ID: UOSVB4-I Date Collected: 10/15/24 16:25 Date Received: 10/17/24 09:40						Lab Sample ID: 570-203269-15 Matrix: Solid		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		6.8	mg/Kg	✧	10/18/24 11:34	10/25/24 07:48	1
TPH as Motor Oil Range	16		6.8	mg/Kg	✧	10/18/24 11:34	10/25/24 07:48	1
<i>n</i> -Octacosane (Surr)	102		50 - 150			10/18/24 11:34	10/25/24 07:48	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Client Sample ID: UOSVB4-D
Date Collected: 10/15/24 17:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-16
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	27		5.9	mg/Kg	☼	10/18/24 11:34	10/25/24 08:50	1
TPH as Motor Oil Range	120		5.9	mg/Kg	☼	10/18/24 11:34	10/25/24 08:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	102		50 - 150			10/18/24 11:34	10/25/24 08:50	1

Client Sample ID: UOSVB1-W
Date Collected: 10/15/24 12:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-17
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		10/18/24 13:01	10/20/24 01:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	86		50 - 150			10/18/24 13:01	10/20/24 01:49	1

Client Sample ID: EWVB5-S
Date Collected: 10/16/24 07:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-18
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	9.3		5.1	mg/Kg	☼	10/18/24 11:34	10/25/24 09:11	1
TPH as Motor Oil Range	11		5.1	mg/Kg	☼	10/18/24 11:34	10/25/24 09:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	105		50 - 150			10/18/24 11:34	10/25/24 09:11	1

Client Sample ID: EWVB5-I
Date Collected: 10/16/24 07:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-19
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		6.3	mg/Kg	☼	10/18/24 11:34	10/25/24 09:31	1
TPH as Motor Oil Range	7.5		6.3	mg/Kg	☼	10/18/24 11:34	10/25/24 09:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	100		50 - 150			10/18/24 11:34	10/25/24 09:31	1

Client Sample ID: EWVB5-D
Date Collected: 10/16/24 08:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-20
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		6.2	mg/Kg	☼	10/18/24 11:34	10/25/24 09:52	1
TPH as Motor Oil Range	ND		6.2	mg/Kg	☼	10/18/24 11:34	10/25/24 09:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	101		50 - 150			10/18/24 11:34	10/25/24 09:52	1

Client Sample ID: EWVB5-W
Date Collected: 10/16/24 08:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-21
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.55		0.10	mg/L		10/18/24 13:01	10/20/24 02:10	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	77		50 - 150	10/18/24 13:01	10/20/24 02:10	1

Client Sample ID: EWVB6-I
Date Collected: 10/16/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	6.8		6.3	mg/Kg	☼	10/18/24 11:34	10/25/24 10:12	1
TPH as Motor Oil Range	7.0		6.3	mg/Kg	☼	10/18/24 11:34	10/25/24 10:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	102		50 - 150	10/18/24 11:34	10/25/24 10:12	1

Client Sample ID: EWBV6-D
Date Collected: 10/16/24 09:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-24
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		6.2	mg/Kg	☼	10/18/24 11:34	10/25/24 10:33	1
TPH as Motor Oil Range	ND		6.2	mg/Kg	☼	10/18/24 11:34	10/25/24 10:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	99		50 - 150	10/18/24 11:34	10/25/24 10:33	1

Client Sample ID: EWBV6-W
Date Collected: 10/16/24 09:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-25
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.50		0.11	mg/L	-	10/18/24 13:01	10/20/24 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	85		50 - 150	10/18/24 13:01	10/20/24 02:31	1

Client Sample ID: UOSVB4-W
Date Collected: 10/16/24 10:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-26
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.17		0.12	mg/L	-	10/18/24 13:01	10/20/24 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	92		50 - 150	10/18/24 13:01	10/20/24 02:51	1

Client Sample ID: UOSVB2-W
Date Collected: 10/16/24 10:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-27
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.12	mg/L	-	10/18/24 13:01	10/20/24 03:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	88		50 - 150	10/18/24 13:01	10/20/24 03:12	1

Client Sample ID: IDW-S
Date Collected: 10/16/24 10:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-28
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	73		5.3	mg/Kg	☼	10/23/24 16:02	10/23/24 22:42	1
TPH as Motor Oil Range	470		5.3	mg/Kg	☼	10/23/24 16:02	10/23/24 22:42	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	90		50 - 150	10/23/24 16:02	10/23/24 22:42	1

Client Sample ID: IDW-W
Date Collected: 10/16/24 10:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-29
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	0.71		0.093	mg/L	-	10/18/24 13:01	10/20/24 03:33	1
TPH as Motor Oil Range	0.36		0.093	mg/L	-	10/18/24 13:01	10/20/24 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	78		50 - 150	10/18/24 13:01	10/20/24 03:33	1

Client Sample ID: EWVB6-S
Date Collected: 10/16/24 08:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		5.0	mg/Kg	-	10/19/24 11:25	10/21/24 19:04	1
TPH as Motor Oil Range	ND		5.0	mg/Kg	-	10/19/24 11:25	10/21/24 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	103		50 - 150	10/19/24 11:25	10/21/24 19:04	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Client Sample ID: IGGESV-0
Date Collected: 10/15/24 08:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	130		25	mg/Kg	☼	10/18/24 11:34	10/25/24 04:41	5
TPH as Motor Oil Range	1100		25	mg/Kg	☼	10/18/24 11:34	10/25/24 04:41	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	99		50 - 150			10/18/24 11:34	10/25/24 04:41	5

Client Sample ID: IGGESV-6
Date Collected: 10/15/24 08:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	1100		110	mg/Kg	☼	10/18/24 11:34	10/25/24 05:02	10
TPH as Motor Oil Range	8000		110	mg/Kg	☼	10/18/24 11:34	10/25/24 05:02	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	100		50 - 150			10/18/24 11:34	10/25/24 05:02	10

Client Sample ID: GCSTD
Date Collected: 10/15/24 08:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-3
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	2600		440	mg/Kg	☼	10/18/24 11:34	10/25/24 05:23	10
TPH as Motor Oil Range	9200		440	mg/Kg	☼	10/18/24 11:34	10/25/24 05:23	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	98		50 - 150			10/18/24 11:34	10/25/24 05:23	10

Client Sample ID: UOSVB4-S
Date Collected: 10/15/24 16:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	780		50	mg/Kg	☼	10/18/24 11:34	10/28/24 02:47	10
TPH as Motor Oil Range	7000		50	mg/Kg	☼	10/18/24 11:34	10/28/24 02:47	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	127		50 - 150			10/18/24 11:34	10/28/24 02:47	10

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Client Sample ID: UOSVB1-W
Date Collected: 10/15/24 12:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-17
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil Range	ND		0.10	mg/L		10/18/24 13:01	10/28/24 01:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	69		50 - 150			10/18/24 13:01	10/28/24 01:05	1

Client Sample ID: EWVB5-W
Date Collected: 10/16/24 08:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-21
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil Range	0.32		0.10	mg/L		10/18/24 13:01	10/28/24 01:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	70		50 - 150			10/18/24 13:01	10/28/24 01:25	1

Client Sample ID: EWBV6-W
Date Collected: 10/16/24 09:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-25
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil Range	0.35		0.11	mg/L		10/18/24 13:01	10/28/24 01:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	78		50 - 150			10/18/24 13:01	10/28/24 01:46	1

Client Sample ID: UOSVB4-W
Date Collected: 10/16/24 10:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-26
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil Range	ND		0.12	mg/L		10/18/24 13:01	10/28/24 02:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	77		50 - 150			10/18/24 13:01	10/28/24 02:06	1

Client Sample ID: UOSVB2-W
Date Collected: 10/16/24 10:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-27
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Motor Oil Range	0.13		0.12	mg/L		10/18/24 13:01	10/28/24 02:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	81		50 - 150			10/18/24 13:01	10/28/24 02:27	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 6010B - Metals (ICP)

Client Sample ID: UOSVB1-S
Date Collected: 10/15/24 10:55
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.50	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5
Barium	84.5		3.50	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5
Cadmium	ND		0.584	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5
Chromium	29.7		1.17	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5
Copper	48.9		2.33	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5
Lead	5.52		2.33	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5
Nickel	20.1		2.33	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5
Selenium	ND		3.50	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5
Silver	ND		1.75	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5
Zinc	28.9		5.84	mg/Kg	☼	10/18/24 07:08	10/18/24 12:51	5

Client Sample ID: UOSVB1-I
Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-6
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.00		3.43	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5
Barium	162		3.43	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5
Cadmium	ND		0.571	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5
Chromium	54.7		1.14	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5
Copper	63.4		2.28	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5
Lead	ND		2.28	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5
Nickel	28.6		2.28	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5
Selenium	ND		3.43	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5
Silver	ND		1.71	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5
Zinc	35.5		5.71	mg/Kg	☼	10/18/24 07:08	10/18/24 12:54	5

Client Sample ID: UOSVB1-D
Date Collected: 10/15/24 12:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.28	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5
Barium	113		3.28	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5
Cadmium	ND		0.547	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5
Chromium	41.9		1.09	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5
Copper	50.2		2.19	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5
Lead	ND		2.19	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5
Nickel	22.3		2.19	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5
Selenium	ND		3.28	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5
Silver	ND		1.64	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5
Zinc	38.5		5.47	mg/Kg	☼	10/18/24 07:08	10/18/24 12:56	5

Client Sample ID: UOSVB2-S
Date Collected: 10/15/24 12:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.68		3.61	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5
Barium	91.5		3.61	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5
Cadmium	ND		0.601	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5
Chromium	43.6		1.20	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5
Copper	49.8		2.41	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: UOSVB2-S
Date Collected: 10/15/24 12:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.98		2.41	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5
Nickel	28.7		2.41	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5
Selenium	ND		3.61	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5
Silver	ND		1.80	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5
Zinc	36.9		6.01	mg/Kg	☼	10/18/24 07:08	10/18/24 12:58	5

Client Sample ID: UOSVB2-I
Date Collected: 10/15/24 12:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-9
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.35	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5
Barium	108		3.35	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5
Cadmium	ND		0.558	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5
Chromium	40.0		1.12	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5
Copper	46.1		2.23	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5
Lead	ND		2.23	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5
Nickel	21.0		2.23	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5
Selenium	ND		3.35	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5
Silver	ND		1.67	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5
Zinc	41.9		5.58	mg/Kg	☼	10/18/24 07:08	10/18/24 13:00	5

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.89		3.37	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5
Barium	430		3.37	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5
Cadmium	ND		0.562	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5
Chromium	33.9		1.12	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5
Copper	55.9		2.25	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5
Lead	8.94		2.25	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5
Nickel	49.9		2.25	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5
Selenium	ND		3.37	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5
Silver	ND		1.69	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5
Zinc	73.9		5.62	mg/Kg	☼	10/21/24 07:12	10/21/24 15:56	5

Client Sample ID: UOSVB3-S
Date Collected: 10/15/24 14:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.66		3.65	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5
Barium	69.0		3.65	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5
Cadmium	ND		0.609	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5
Chromium	49.8		1.22	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5
Copper	40.1		2.43	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5
Lead	4.17		2.43	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5
Nickel	36.0		2.43	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5
Selenium	ND		3.65	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5
Silver	ND		1.83	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5
Zinc	41.1		6.09	mg/Kg	☼	10/21/24 07:12	10/21/24 15:58	5

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 6010B - Metals (ICP)

Client Sample ID: UOSVB3-I
Date Collected: 10/15/24 14:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-12
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.49	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5
Barium	83.5		3.49	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5
Cadmium	ND		0.582	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5
Chromium	42.1		1.16	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5
Copper	48.3		2.33	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5
Lead	ND		2.33	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5
Nickel	23.9		2.33	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5
Selenium	ND		3.49	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5
Silver	ND		1.75	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5
Zinc	24.7		5.82	mg/Kg	☼	10/21/24 07:12	10/21/24 16:01	5

Client Sample ID: UOSVB3-D
Date Collected: 10/15/24 15:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.04		3.81	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5
Barium	161		3.81	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5
Cadmium	ND		0.634	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5
Chromium	30.8		1.27	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5
Copper	52.3		2.54	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5
Lead	13.3		2.54	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5
Nickel	35.7		2.54	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5
Selenium	ND		3.81	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5
Silver	ND		1.90	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5
Zinc	104		6.34	mg/Kg	☼	10/21/24 07:12	10/21/24 16:03	5

Client Sample ID: UOSVB4-S
Date Collected: 10/15/24 16:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.04	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5
Barium	40.5		3.04	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5
Cadmium	ND		0.506	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5
Chromium	12.0		1.01	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5
Copper	23.9		2.02	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5
Lead	ND		2.02	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5
Nickel	28.6		2.02	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5
Selenium	ND		3.04	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5
Silver	ND		1.52	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5
Zinc	24.7		5.06	mg/Kg	☼	10/18/24 07:08	10/18/24 13:03	5

Client Sample ID: UOSVB4-I
Date Collected: 10/15/24 16:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-15
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		4.10	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5
Barium	134	F1	4.10	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5
Cadmium	ND		0.684	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5
Chromium	57.2		1.37	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5
Copper	65.4		2.74	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: UOSVB4-I
Date Collected: 10/15/24 16:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-15
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		2.74	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5
Nickel	25.5		2.74	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5
Selenium	ND		4.10	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5
Silver	ND		2.05	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5
Zinc	40.0		6.84	mg/Kg	☼	10/18/24 07:08	10/18/24 14:41	5

Client Sample ID: UOSVB4-D
Date Collected: 10/15/24 17:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-16
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.62	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5
Barium	157		3.62	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5
Cadmium	ND		0.603	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5
Chromium	118		1.21	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5
Copper	63.5		2.41	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5
Lead	ND		2.41	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5
Nickel	32.1		2.41	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5
Selenium	ND		3.62	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5
Silver	ND		1.81	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5
Zinc	40.5		6.03	mg/Kg	☼	10/18/24 07:08	10/18/24 13:28	5

Client Sample ID: EWVB5-S
Date Collected: 10/16/24 07:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-18
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.15	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5
Barium	50.6		3.15	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5
Cadmium	ND		0.525	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5
Chromium	2.10		1.05	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5
Copper	9.41		2.10	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5
Lead	3.51		2.10	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5
Nickel	2.12		2.10	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5
Selenium	ND		3.15	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5
Silver	ND		1.58	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5
Zinc	32.1		5.25	mg/Kg	☼	10/18/24 07:08	10/18/24 13:30	5

Client Sample ID: EWVB5-I
Date Collected: 10/16/24 07:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-19
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.1		3.86	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5
Barium	154		3.86	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5
Cadmium	ND		0.644	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5
Chromium	65.4		1.29	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5
Copper	71.0		2.57	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5
Lead	14.3		2.57	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5
Nickel	32.9		2.57	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5
Selenium	ND		3.86	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5
Silver	ND		1.93	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5
Zinc	44.3		6.44	mg/Kg	☼	10/18/24 07:08	10/18/24 13:37	5

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 6010B - Metals (ICP)

Client Sample ID: EWVB5-D
Date Collected: 10/16/24 08:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-20
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.48		3.70	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5
Barium	136		3.70	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5
Cadmium	ND		0.616	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5
Chromium	55.7		1.23	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5
Copper	65.5		2.47	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5
Lead	32.5		2.47	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5
Nickel	30.7		2.47	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5
Selenium	ND		3.70	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5
Silver	ND		1.85	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5
Zinc	39.4		6.16	mg/Kg	☼	10/18/24 07:08	10/18/24 13:39	5

Client Sample ID: EWVB6-I
Date Collected: 10/16/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.8		3.85	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5
Barium	137		3.85	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5
Cadmium	ND		0.642	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5
Chromium	54.4		1.28	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5
Copper	66.3		2.57	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5
Lead	47.3		2.57	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5
Nickel	30.1		2.57	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5
Selenium	ND		3.85	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5
Silver	ND		1.93	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5
Zinc	41.6		6.42	mg/Kg	☼	10/18/24 07:08	10/18/24 13:42	5

Client Sample ID: EWBV6-D
Date Collected: 10/16/24 09:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-24
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.8		3.83	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5
Barium	152		3.83	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5
Cadmium	ND		0.638	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5
Chromium	62.2		1.28	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5
Copper	70.3		2.55	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5
Lead	46.8		2.55	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5
Nickel	33.2		2.55	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5
Selenium	ND		3.83	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5
Silver	ND		1.91	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5
Zinc	44.9		6.38	mg/Kg	☼	10/18/24 07:08	10/18/24 13:44	5

Client Sample ID: EWVB6-S
Date Collected: 10/16/24 08:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.99		3.05	mg/Kg		10/21/24 10:00	10/21/24 18:41	5
Barium	99.4		3.05	mg/Kg		10/21/24 10:00	10/21/24 18:41	5
Cadmium	ND		0.508	mg/Kg		10/21/24 10:00	10/21/24 18:41	5
Chromium	34.4		1.02	mg/Kg		10/21/24 10:00	10/21/24 18:41	5
Copper	42.3		2.03	mg/Kg		10/21/24 10:00	10/21/24 18:41	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 6010B - Metals (ICP) (Continued)

Client Sample ID: EWVB6-S
Date Collected: 10/16/24 08:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	34.2		2.03	mg/Kg		10/21/24 10:00	10/21/24 18:41	5
Nickel	19.4		2.03	mg/Kg		10/21/24 10:00	10/21/24 18:41	5
Selenium	ND		3.05	mg/Kg		10/21/24 10:00	10/21/24 18:41	5
Silver	ND		1.52	mg/Kg		10/21/24 10:00	10/21/24 18:41	5
Zinc	28.2		5.08	mg/Kg		10/21/24 10:00	10/21/24 18:41	5

Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 6010B - Metals (ICP) - TCLP

Client Sample ID: IGGESV-0
Date Collected: 10/15/24 08:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/23/24 07:39	10/23/24 12:28	1
Barium	2.89	F1	0.100	mg/L		10/23/24 07:39	10/23/24 12:28	1
Cadmium	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:28	1
Chromium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:28	1
Lead	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:28	1
Selenium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:28	1
Silver	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:28	1

Client Sample ID: IGGESV-6
Date Collected: 10/15/24 08:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/23/24 07:39	10/23/24 12:40	1
Barium	0.134		0.100	mg/L		10/23/24 07:39	10/23/24 12:40	1
Cadmium	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:40	1
Chromium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:40	1
Lead	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:40	1
Selenium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:40	1
Silver	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:40	1

Client Sample ID: GCSTD
Date Collected: 10/15/24 08:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-3
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/23/24 07:39	10/23/24 12:43	1
Barium	1.55		0.100	mg/L		10/23/24 07:39	10/23/24 12:43	1
Cadmium	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:43	1
Chromium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:43	1
Lead	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:43	1
Selenium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:43	1
Silver	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:43	1

Client Sample ID: OTEWSV-4
Date Collected: 10/15/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/23/24 07:39	10/23/24 12:52	1
Barium	3.02		0.100	mg/L		10/23/24 07:39	10/23/24 12:52	1
Cadmium	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:52	1
Chromium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:52	1
Lead	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:52	1
Selenium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:52	1
Silver	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:52	1

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/20/24 22:15	10/21/24 13:57	1
Barium	1.23		0.100	mg/L		10/20/24 22:15	10/21/24 13:57	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 6010B - Metals (ICP) - TCLP (Continued)

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.100	mg/L		10/20/24 22:15	10/21/24 13:57	1
Chromium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 13:57	1
Lead	ND		0.500	mg/L		10/20/24 22:15	10/21/24 13:57	1
Selenium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 13:57	1
Silver	ND		0.100	mg/L		10/20/24 22:15	10/21/24 13:57	1

Client Sample ID: UOSVB3-S
Date Collected: 10/15/24 14:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/20/24 22:15	10/21/24 14:06	1
Barium	1.33		0.100	mg/L		10/20/24 22:15	10/21/24 14:06	1
Cadmium	ND		0.100	mg/L		10/20/24 22:15	10/21/24 14:06	1
Chromium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:06	1
Lead	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:06	1
Selenium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:06	1
Silver	ND		0.100	mg/L		10/20/24 22:15	10/21/24 14:06	1

Client Sample ID: UOSVB3-I
Date Collected: 10/15/24 14:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-12
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/20/24 22:15	10/21/24 14:09	1
Barium	0.969		0.100	mg/L		10/20/24 22:15	10/21/24 14:09	1
Cadmium	ND		0.100	mg/L		10/20/24 22:15	10/21/24 14:09	1
Chromium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:09	1
Lead	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:09	1
Selenium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:09	1
Silver	ND		0.100	mg/L		10/20/24 22:15	10/21/24 14:09	1

Client Sample ID: UOSVB3-D
Date Collected: 10/15/24 15:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/20/24 22:15	10/21/24 14:11	1
Barium	1.03		0.100	mg/L		10/20/24 22:15	10/21/24 14:11	1
Cadmium	ND		0.100	mg/L		10/20/24 22:15	10/21/24 14:11	1
Chromium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:11	1
Lead	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:11	1
Selenium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:11	1
Silver	ND		0.100	mg/L		10/20/24 22:15	10/21/24 14:11	1

Client Sample ID: IDW-S
Date Collected: 10/16/24 10:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-28
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/20/24 22:15	10/21/24 14:13	1
Barium	0.225		0.100	mg/L		10/20/24 22:15	10/21/24 14:13	1
Cadmium	ND		0.100	mg/L		10/20/24 22:15	10/21/24 14:13	1
Chromium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:13	1

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Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 6010B - Metals (ICP) - TCLP (Continued)

Client Sample ID: IDW-S
Date Collected: 10/16/24 10:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-28
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:13	1
Selenium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 14:13	1
Silver	ND		0.100	mg/L		10/20/24 22:15	10/21/24 14:13	1

Client Sample ID: IDW-W
Date Collected: 10/16/24 10:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-29
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	F2	1.00	mg/L		10/21/24 07:54	10/21/24 12:24	1
Barium	ND	*+ F2 F1	0.100	mg/L		10/21/24 07:54	10/21/24 12:24	1
Cadmium	ND	F2	0.100	mg/L		10/21/24 07:54	10/21/24 12:24	1
Chromium	ND	*+ F2 F1	0.500	mg/L		10/21/24 07:54	10/21/24 12:24	1
Lead	ND	F2 F1	0.500	mg/L		10/21/24 07:54	10/21/24 12:24	1
Selenium	ND	F2	0.500	mg/L		10/21/24 07:54	10/21/24 12:24	1
Silver	ND	F2	0.100	mg/L		10/21/24 07:54	10/21/24 12:24	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Client Sample ID: IGGESV-0
Date Collected: 10/15/24 08:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/23/24 09:34	10/23/24 17:40	1

Client Sample ID: IGGESV-6
Date Collected: 10/15/24 08:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/23/24 09:34	10/23/24 17:50	1

Client Sample ID: GCSTD
Date Collected: 10/15/24 08:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-3
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/23/24 09:34	10/23/24 17:52	1

Client Sample ID: OTEWSV-4
Date Collected: 10/15/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/23/24 09:34	10/23/24 17:54	1

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/21/24 08:57	10/22/24 14:00	1

Client Sample ID: UOSVB3-S
Date Collected: 10/15/24 14:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/21/24 08:57	10/22/24 14:02	1

Client Sample ID: UOSVB3-I
Date Collected: 10/15/24 14:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-12
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/21/24 08:57	10/22/24 14:04	1

Client Sample ID: UOSVB3-D
Date Collected: 10/15/24 15:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/21/24 08:57	10/22/24 14:06	1

Client Sample ID: IDW-S
Date Collected: 10/16/24 10:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-28
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/21/24 08:57	10/22/24 14:13	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Client Sample ID: IDW-W
Date Collected: 10/16/24 10:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-29
Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/21/24 08:56	10/22/24 13:35	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: UOSVB1-S
Date Collected: 10/15/24 10:55
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.0909	mg/Kg	☼	10/18/24 09:30	10/18/24 15:28	1

Client Sample ID: UOSVB1-I
Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-6
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0931	*1	0.0906	mg/Kg	☼	10/18/24 09:30	10/18/24 15:29	1

Client Sample ID: UOSVB1-D
Date Collected: 10/15/24 12:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.0860	mg/Kg	☼	10/18/24 09:30	10/18/24 15:31	1

Client Sample ID: UOSVB2-S
Date Collected: 10/15/24 12:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.0983	mg/Kg	☼	10/18/24 09:30	10/18/24 15:33	1

Client Sample ID: UOSVB2-I
Date Collected: 10/15/24 12:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-9
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.0921	mg/Kg	☼	10/18/24 09:30	10/18/24 15:35	1

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0997	mg/Kg	☼	10/22/24 10:27	10/22/24 13:49	1

Client Sample ID: UOSVB3-S
Date Collected: 10/15/24 14:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.101	mg/Kg	☼	10/22/24 10:27	10/22/24 13:51	1

Client Sample ID: UOSVB3-I
Date Collected: 10/15/24 14:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-12
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.144		0.0915	mg/Kg	☼	10/22/24 10:27	10/22/24 13:58	1

Client Sample ID: UOSVB3-D
Date Collected: 10/15/24 15:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.129		0.106	mg/Kg	☼	10/22/24 10:27	10/22/24 14:00	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: UOSVB4-S
Date Collected: 10/15/24 16:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.0792	mg/Kg	☼	10/18/24 09:30	10/18/24 15:37	1

Client Sample ID: UOSVB4-I
Date Collected: 10/15/24 16:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-15
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.169	*1	0.119	mg/Kg	☼	10/18/24 09:30	10/18/24 15:39	1

Client Sample ID: UOSVB4-D
Date Collected: 10/15/24 17:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-16
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.105	mg/Kg	☼	10/18/24 09:30	10/18/24 15:41	1

Client Sample ID: EWVB5-S
Date Collected: 10/16/24 07:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-18
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.0867	mg/Kg	☼	10/18/24 09:30	10/18/24 15:42	1

Client Sample ID: EWVB5-I
Date Collected: 10/16/24 07:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-19
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.0997	mg/Kg	☼	10/18/24 09:30	10/18/24 15:48	1

Client Sample ID: EWVB5-D
Date Collected: 10/16/24 08:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-20
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.101	*1	0.0984	mg/Kg	☼	10/18/24 09:30	10/18/24 15:50	1

Client Sample ID: EWVB6-I
Date Collected: 10/16/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	*1	0.106	mg/Kg	☼	10/18/24 09:30	10/18/24 15:52	1

Client Sample ID: EWVB6-D
Date Collected: 10/16/24 09:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-24
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.292	*1	0.110	mg/Kg	☼	10/18/24 09:30	10/18/24 15:54	1

Client Sample ID: EWVB6-S
Date Collected: 10/16/24 08:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-30
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0786	mg/Kg		10/21/24 09:55	10/21/24 12:42	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

General Chemistry

Client Sample ID: IGGESV-0
Date Collected: 10/15/24 08:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-1
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	2.11		0.100	%			10/21/24 09:44	1

Client Sample ID: IGGESV-6
Date Collected: 10/15/24 08:30
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-2
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	11.9		0.100	%			10/21/24 09:44	1

Client Sample ID: GCSTD
Date Collected: 10/15/24 08:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-3
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	2.18		0.100	%			10/21/24 09:44	1

Client Sample ID: OTEWSV-4
Date Collected: 10/15/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	9.34		0.100	%			10/21/24 09:44	1

Client Sample ID: UOSVB1-S
Date Collected: 10/15/24 10:55
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	13.5		0.100	%			10/21/24 09:44	1

Client Sample ID: UOSVB1-I
Date Collected: 10/15/24 11:15
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-6
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	11.5		0.100	%			10/21/24 09:44	1

Client Sample ID: UOSVB1-D
Date Collected: 10/15/24 12:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-7
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	8.61		0.100	%			10/21/24 09:44	1

Client Sample ID: UOSVB2-S
Date Collected: 10/15/24 12:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-8
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	16.9		0.100	%			10/21/24 09:44	1

Client Sample ID: UOSVB2-I
Date Collected: 10/15/24 12:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-9
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	9.49		0.100	%			10/21/24 09:44	1

Client Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

General Chemistry

Client Sample ID: UOSVB2-D
Date Collected: 10/15/24 13:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-10
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	11.1		0.100	%			10/21/24 13:11	1

Client Sample ID: UOSVB3-S
Date Collected: 10/15/24 14:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-11
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	17.8		0.100	%			10/21/24 13:11	1

Client Sample ID: UOSVB3-I
Date Collected: 10/15/24 14:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-12
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	14.1		0.100	%			10/21/24 13:11	1

Client Sample ID: UOSVB3-D
Date Collected: 10/15/24 15:35
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-13
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	20.0		0.100	%			10/21/24 13:11	1

Client Sample ID: UOSVB4-S
Date Collected: 10/15/24 16:05
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-14
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	0.697		0.100	%			10/21/24 09:44	1

Client Sample ID: UOSVB4-I
Date Collected: 10/15/24 16:25
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-15
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	26.9		0.100	%			10/21/24 13:11	1

Client Sample ID: UOSVB4-D
Date Collected: 10/15/24 17:45
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-16
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	15.4		0.100	%			10/21/24 09:44	1

Client Sample ID: EWVB5-S
Date Collected: 10/16/24 07:40
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-18
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	3.89		0.100	%			10/22/24 09:32	1

Client Sample ID: EWVB5-I
Date Collected: 10/16/24 07:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-19
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	21.1		0.100	%			10/21/24 13:11	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

General Chemistry

Client Sample ID: EWVB5-D
Date Collected: 10/16/24 08:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-20
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	20.1		0.100	%			10/22/24 09:32	1

Client Sample ID: EWVB6-I
Date Collected: 10/16/24 08:50
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	21.4		0.100	%			10/22/24 09:32	1

Client Sample ID: EWBV6-D
Date Collected: 10/16/24 09:00
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-24
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	21.2		0.100	%			10/22/24 09:32	1

Client Sample ID: IDW-S
Date Collected: 10/16/24 10:20
Date Received: 10/17/24 09:40

Lab Sample ID: 570-203269-28
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM 2540G)	5.07		0.100	%			10/22/24 09:32	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (32-179)	BFB (80-120)	DBFM (58-147)	TOL (80-120)
570-203269-1	IGGESV-0	103	98	102	103
570-203269-2	IGGESV-6	100	90	99	99
570-203269-3	GCSTD	117	95	102	102
570-203269-4	OTEWSV-4	107	98	101	99
570-203269-5	UOSVB1-S	113	103	104	102
570-203269-6	UOSVB1-I	117	98	108	101
570-203269-7	UOSVB1-D	113	99	108	108
570-203269-8	UOSVB2-S	118	100	109	108
570-203269-9	UOSVB2-I	105	97	100	111
570-203269-10	UOSVB2-D	108	99	104	109
570-203269-11	UOSVB3-S	119	96	108	107
570-203269-12	UOSVB3-I	110	94	105	100
570-203269-13	UOSVB3-D	115	96	108	100
570-203269-14	UOSVB4-S	110	84	105	95
570-203269-15	UOSVB4-I	111	95	105	99
570-203269-16	UOSVB4-D	101	91	96	97
570-203269-18	EWVB5-S	109	93	103	97
570-203269-19	EWVB5-I	111	93	103	99
570-203269-20	EWVB5-D	112	91	108	99
570-203269-23	EWVB6-I	113	88	107	98
570-203269-24	EWVB6-D	114	89	109	98
570-203269-28	IDW-S	111	91	106	101
570-203269-30	EWVB6-S	110	92	109	99
LCS 570-492773/3	Lab Control Sample	105	103	98	98
LCS 570-493589/1011	Lab Control Sample	100	99	105	99
LCS 570-494076/1011	Lab Control Sample	98	99	100	101
LCSD 570-492773/5	Lab Control Sample Dup	105	103	98	98
LCSD 570-493589/12	Lab Control Sample Dup	101	111	100	99
LCSD 570-494076/12	Lab Control Sample Dup	100	101	100	102
MB 570-492773/6	Method Blank	99	99	96	100
MB 570-493589/14	Method Blank	99	97	101	105
MB 570-493589/15	Method Blank	106	100	103	100
MB 570-494076/14	Method Blank	100	94	102	99
MB 570-494076/15	Method Blank	97	93	98	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-203269-17	UOSVB1-W	111	97	107	101
570-203269-21	EWVB5-W	111	95	108	95
570-203269-25	EWVB6-W	114	96	108	99

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Surrogate Summary

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-123)	BFB (80-120)	DBFM (78-120)	TOL (80-120)
570-203269-26	UOSVB4-W	110	100	106	99
570-203269-27	UOSVB2-W	113	92	109	91
570-203269-29	IDW-W	107	103	105	95
LCS 570-494033/1018	Lab Control Sample	102	105	101	97
LCSD 570-494033/19	Lab Control Sample Dup	105	99	101	104
MB 570-494033/21	Method Blank	103	93	102	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (50-150)
570-203269-1	IGGESV-0	65
570-203269-2	IGGESV-6	61
570-203269-3	GCSTD	73
570-203269-4	OTEWSV-4	63
570-203269-5	UOSVB1-S	70
570-203269-6	UOSVB1-I	52
570-203269-7	UOSVB1-D	54
570-203269-8	UOSVB2-S	69
570-203269-9	UOSVB2-I	69
570-203269-10	UOSVB2-D	101
570-203269-10 MS	UOSVB2-D	103
570-203269-10 MSD	UOSVB2-D	103
570-203269-11	UOSVB3-S	104
570-203269-12	UOSVB3-I	104
570-203269-13	UOSVB3-D	97
570-203269-14	UOSVB4-S	64
570-203269-15	UOSVB4-I	71
570-203269-16	UOSVB4-D	74
570-203269-18	EWVB5-S	75
570-203269-18 MS	EWVB5-S	91
570-203269-18 MSD	EWVB5-S	93
570-203269-19	EWVB5-I	68
570-203269-20	EWVB5-D	65
570-203269-23	EWVB6-I	65
570-203269-24	EWVB6-D	66
570-203269-28	IDW-S	98
570-203269-28 MS	IDW-S	99
570-203269-28 MSD	IDW-S	106
570-203269-30	EWVB6-S	94
570-203269-30 MS	EWVB6-S	109
570-203269-30 MSD	EWVB6-S	99
LCS 570-493235/1-A	Lab Control Sample	91

Surrogate Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (50-150)
LCS 570-494355/1-A	Lab Control Sample	108
LCS 570-495161/1-A	Lab Control Sample	102
LCS 570-495650/1-A	Lab Control Sample	102
LCSD 570-493235/2-A	Lab Control Sample Dup	88
LCSD 570-494355/2-A	Lab Control Sample Dup	102
LCSD 570-495161/2-A	Lab Control Sample Dup	106
LCSD 570-495650/2-A	Lab Control Sample Dup	105
MB 570-493235/3-A	Method Blank	70
MB 570-493235/4-A	Method Blank	71
MB 570-494355/3-A	Method Blank	102
MB 570-495161/3-A	Method Blank	100
MB 570-495650/3-A	Method Blank	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (50-150)
570-203269-17	UOSVB1-W	65
570-203269-21	EWVB5-W	64
570-203269-25	EWVB6-W	67
570-203269-26	UOSVB4-W	65
570-203269-27	UOSVB2-W	68
570-203269-29	IDW-W	67
LCS 570-493102/3	Lab Control Sample	90
LCSD 570-493102/4	Lab Control Sample Dup	89
MB 570-493102/5	Method Blank	64

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2 (38-148)	DCB2 (37-151)
570-203269-18	EWVB5-S	74	71
LCS 570-493216/10-A	Lab Control Sample	77	81
LCSD 570-493216/11-A	Lab Control Sample Dup	80	83
MB 570-493216/1-A	Method Blank	81	84

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

Surrogate Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2 (38-148)	DCB1 (37-151)
570-203269-18 MS	EWVB5-S	72	71
570-203269-18 MSD	EWVB5-S	71	69

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX2 (49-132)	DCB1 (10-142)
LCS 570-493619/2-A	Lab Control Sample	84	87
LCSD 570-493619/3-A	Lab Control Sample Dup	93	96
MB 570-493619/1-A	Method Blank	92	92

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (49-132)	DCB1 (10-142)
570-203269-21	EWVB5-W	130	142

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN (50-150)
570-203269-1 - DL	IGGESV-0	99
570-203269-2 - DL	IGGESV-6	100
570-203269-3 - DL	GCSTD	98
570-203269-4	OTEWSV-4	106
570-203269-5	UOSVB1-S	98
570-203269-5 MS	UOSVB1-S	95
570-203269-5 MS	UOSVB1-S	99
570-203269-5 MSD	UOSVB1-S	95
570-203269-5 MSD	UOSVB1-S	98
570-203269-6	UOSVB1-I	98
570-203269-7	UOSVB1-D	96
570-203269-8	UOSVB2-S	97
570-203269-9	UOSVB2-I	99
570-203269-10	UOSVB2-D	81

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Surrogate Summary

Client: GHD Services Inc.

Job ID: 570-203269-1

Project/Site: Oregon Military Dept - Glass Facility Ta

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN (50-150)
570-203269-10 MS	UOSVB2-D	89
570-203269-10 MS	UOSVB2-D	92
570-203269-10 MSD	UOSVB2-D	86
570-203269-10 MSD	UOSVB2-D	89
570-203269-11	UOSVB3-S	86
570-203269-12	UOSVB3-I	89
570-203269-13	UOSVB3-D	87
570-203269-14 - DL	UOSVB4-S	127
570-203269-15	UOSVB4-I	102
570-203269-16	UOSVB4-D	102
570-203269-18	EWVB5-S	105
570-203269-19	EWVB5-I	100
570-203269-20	EWVB5-D	101
570-203269-23	EWVB6-I	102
570-203269-24	EWVB6-D	99
570-203269-28	IDW-S	90
570-203269-30	EWVB6-S	103
LCS 570-493094/2-A	Lab Control Sample	96
LCS 570-493094/6-A	Lab Control Sample	101
LCS 570-493397/6-A	Lab Control Sample	105
LCS 570-494834/11-A	Lab Control Sample	92
LCS 570-494834/2-A	Lab Control Sample	90
LCSD 570-493094/3-A	Lab Control Sample Dup	100
LCSD 570-493094/7-A	Lab Control Sample Dup	99
LCSD 570-493397/7-A	Lab Control Sample Dup	100
LCSD 570-494834/12-A	Lab Control Sample Dup	96
LCSD 570-494834/3-A	Lab Control Sample Dup	89
MB 570-493094/1-A	Method Blank	99
MB 570-493397/1-A	Method Blank	100
MB 570-494834/1-A	Method Blank	88

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN (50-150)
570-203269-17	UOSVB1-W	86
570-203269-17 - RA	UOSVB1-W	69
570-203269-21	EWVB5-W	77
570-203269-21 - RA	EWVB5-W	70
570-203269-25	EWVB6-W	85
570-203269-25 - RA	EWVB6-W	78
570-203269-26	UOSVB4-W	92
570-203269-26 - RA	UOSVB4-W	77
570-203269-27	UOSVB2-W	88
570-203269-27 - RA	UOSVB2-W	81
570-203269-29	IDW-W	78

Surrogate Summary

Client: GHD Services Inc.

Job ID: 570-203269-1

Project/Site: Oregon Military Dept - Glass Facility Ta

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN (50-150)
LCS 570-493126/2-A	Lab Control Sample	95
LCSD 570-493126/3-A	Lab Control Sample Dup	92
MB 570-493126/1-A	Method Blank	74

Surrogate Legend

OTCSN = n-Octacosane (Surr)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-492773/6
Matrix: Solid
Analysis Batch: 492773

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg			10/17/24 21:51	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg			10/17/24 21:51	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg			10/17/24 21:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg			10/17/24 21:51	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg			10/17/24 21:51	1
1,1-Dichloroethane	ND		1.0	ug/Kg			10/17/24 21:51	1
1,1-Dichloroethene	ND		1.0	ug/Kg			10/17/24 21:51	1
1,1-Dichloropropene	ND		2.0	ug/Kg			10/17/24 21:51	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg			10/17/24 21:51	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg			10/17/24 21:51	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg			10/17/24 21:51	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			10/17/24 21:51	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg			10/17/24 21:51	1
1,2-Dibromoethane	ND		1.0	ug/Kg			10/17/24 21:51	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg			10/17/24 21:51	1
1,2-Dichloroethane	ND		1.0	ug/Kg			10/17/24 21:51	1
1,2-Dichloropropane	ND		1.0	ug/Kg			10/17/24 21:51	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			10/17/24 21:51	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg			10/17/24 21:51	1
1,3-Dichloropropane	ND		1.0	ug/Kg			10/17/24 21:51	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg			10/17/24 21:51	1
2,2-Dichloropropane	ND		5.0	ug/Kg			10/17/24 21:51	1
2-Butanone (MEK)	ND		20	ug/Kg			10/17/24 21:51	1
2-Chlorotoluene	ND		1.0	ug/Kg			10/17/24 21:51	1
2-Hexanone	ND		20	ug/Kg			10/17/24 21:51	1
4-Chlorotoluene	ND		1.0	ug/Kg			10/17/24 21:51	1
4-Methyl-2-pentanone (MIBK)	ND		20	ug/Kg			10/17/24 21:51	1
Acetone	ND		20	ug/Kg			10/17/24 21:51	1
Benzene	ND		1.0	ug/Kg			10/17/24 21:51	1
Bromobenzene	ND		1.0	ug/Kg			10/17/24 21:51	1
Bromochloromethane	ND		2.0	ug/Kg			10/17/24 21:51	1
Bromodichloromethane	ND		1.0	ug/Kg			10/17/24 21:51	1
Bromoform	ND		5.0	ug/Kg			10/17/24 21:51	1
Bromomethane	ND		20	ug/Kg			10/17/24 21:51	1
cis-1,2-Dichloroethene	ND		1.0	ug/Kg			10/17/24 21:51	1
cis-1,3-Dichloropropene	ND		1.0	ug/Kg			10/17/24 21:51	1
Carbon disulfide	ND		10	ug/Kg			10/17/24 21:51	1
Carbon tetrachloride	ND		1.0	ug/Kg			10/17/24 21:51	1
Chlorobenzene	ND		1.0	ug/Kg			10/17/24 21:51	1
Chloroethane	ND		2.0	ug/Kg			10/17/24 21:51	1
Chloroform	ND		1.0	ug/Kg			10/17/24 21:51	1
Chloromethane	ND		20	ug/Kg			10/17/24 21:51	1
Dibromochloromethane	ND		2.0	ug/Kg			10/17/24 21:51	1
Dibromomethane	ND		1.0	ug/Kg			10/17/24 21:51	1
Dichlorodifluoromethane	ND		2.0	ug/Kg			10/17/24 21:51	1
Di-isopropyl ether (DIPE)	ND		1.0	ug/Kg			10/17/24 21:51	1
Ethanol	ND		250	ug/Kg			10/17/24 21:51	1
Ethylbenzene	ND		1.0	ug/Kg			10/17/24 21:51	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-492773/6
Matrix: Solid
Analysis Batch: 492773

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0	ug/Kg			10/17/24 21:51	1
Isopropylbenzene	ND		1.0	ug/Kg			10/17/24 21:51	1
Methylene Chloride	ND		10	ug/Kg			10/17/24 21:51	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	ug/Kg			10/17/24 21:51	1
Naphthalene	ND		10	ug/Kg			10/17/24 21:51	1
n-Butylbenzene	ND		1.0	ug/Kg			10/17/24 21:51	1
N-Propylbenzene	ND		2.0	ug/Kg			10/17/24 21:51	1
o-Xylene	ND		1.0	ug/Kg			10/17/24 21:51	1
m,p-Xylene	ND		2.0	ug/Kg			10/17/24 21:51	1
p-Isopropyltoluene	ND		1.0	ug/Kg			10/17/24 21:51	1
sec-Butylbenzene	ND		1.0	ug/Kg			10/17/24 21:51	1
Styrene	ND		1.0	ug/Kg			10/17/24 21:51	1
trans-1,2-Dichloroethene	ND		1.0	ug/Kg			10/17/24 21:51	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			10/17/24 21:51	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg			10/17/24 21:51	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg			10/17/24 21:51	1
Toluene	ND		1.0	ug/Kg			10/17/24 21:51	1
tert-Butylbenzene	ND		1.0	ug/Kg			10/17/24 21:51	1
Tetrachloroethene	ND		1.0	ug/Kg			10/17/24 21:51	1
Trichloroethene	ND		2.0	ug/Kg			10/17/24 21:51	1
Trichlorofluoromethane	ND		10	ug/Kg			10/17/24 21:51	1
Vinyl acetate	ND		10	ug/Kg			10/17/24 21:51	1
Vinyl chloride	ND		1.0	ug/Kg			10/17/24 21:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		32 - 179		10/17/24 21:51	1
4-Bromofluorobenzene (Surr)	99		80 - 120		10/17/24 21:51	1
Dibromofluoromethane (Surr)	96		58 - 147		10/17/24 21:51	1
Toluene-d8 (Surr)	100		80 - 120		10/17/24 21:51	1

Lab Sample ID: LCS 570-492773/3
Matrix: Solid
Analysis Batch: 492773

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	54.19		ug/Kg		108	80 - 125
1,1,1-Trichloroethane	50.0	51.74		ug/Kg		103	78 - 130
1,1,1,2,2-Tetrachloroethane	50.0	49.09		ug/Kg		98	80 - 124
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.93		ug/Kg		108	73 - 130
1,1,2-Trichloroethane	50.0	52.46		ug/Kg		105	80 - 123
1,1-Dichloroethane	50.0	54.03		ug/Kg		108	79 - 124
1,1-Dichloroethene	50.0	56.77		ug/Kg		114	74 - 132
1,1-Dichloropropene	50.0	53.56		ug/Kg		107	78 - 130
1,2,3-Trichlorobenzene	50.0	51.72		ug/Kg		103	80 - 123
1,2,3-Trichloropropane	50.0	48.60		ug/Kg		97	79 - 120
1,2,4-Trichlorobenzene	50.0	49.80		ug/Kg		100	80 - 125
1,2,4-Trimethylbenzene	50.0	54.38		ug/Kg		109	80 - 124
1,2-Dibromo-3-Chloropropane	50.0	51.98		ug/Kg		104	67 - 120

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-492773/3
Matrix: Solid
Analysis Batch: 492773

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	50.0	52.91		ug/Kg		106	80 - 120
1,2-Dichlorobenzene	50.0	55.17		ug/Kg		110	80 - 120
1,2-Dichloroethane	50.0	60.20		ug/Kg		120	77 - 120
1,2-Dichloropropane	50.0	55.48		ug/Kg		111	80 - 126
1,3,5-Trimethylbenzene	50.0	58.43		ug/Kg		117	80 - 121
1,3-Dichlorobenzene	50.0	55.17		ug/Kg		110	80 - 120
1,3-Dichloropropane	50.0	52.39		ug/Kg		105	80 - 120
1,4-Dichlorobenzene	50.0	55.40		ug/Kg		111	80 - 120
2,2-Dichloropropane	50.0	43.05		ug/Kg		86	73 - 135
2-Butanone (MEK)	50.0	54.25		ug/Kg		108	67 - 136
2-Chlorotoluene	50.0	56.01		ug/Kg		112	80 - 120
2-Hexanone	50.0	49.41		ug/Kg		99	70 - 137
4-Chlorotoluene	50.0	53.06		ug/Kg		106	80 - 121
4-Methyl-2-pentanone (MIBK)	50.0	50.91		ug/Kg		102	74 - 124
Acetone	50.0	42.77		ug/Kg		86	61 - 142
Benzene	50.0	52.30		ug/Kg		105	80 - 120
Bromobenzene	50.0	57.17		ug/Kg		114	80 - 120
Bromochloromethane	50.0	54.27		ug/Kg		109	80 - 120
Bromodichloromethane	50.0	52.30		ug/Kg		105	80 - 125
Bromoform	50.0	51.52		ug/Kg		103	74 - 138
Bromomethane	50.0	66.97		ug/Kg		134	58 - 136
cis-1,2-Dichloroethene	50.0	50.70		ug/Kg		101	80 - 124
cis-1,3-Dichloropropene	50.0	51.53		ug/Kg		103	80 - 123
Carbon disulfide	50.0	50.91		ug/Kg		102	68 - 128
Carbon tetrachloride	50.0	57.59		ug/Kg		115	75 - 140
Chlorobenzene	50.0	54.32		ug/Kg		109	80 - 120
Chloroethane	50.0	63.25		ug/Kg		126	76 - 137
Chloroform	50.0	51.83		ug/Kg		104	80 - 121
Chloromethane	50.0	51.59		ug/Kg		103	74 - 133
Dibromochloromethane	50.0	53.32		ug/Kg		107	80 - 132
Dibromomethane	50.0	54.51		ug/Kg		109	80 - 120
Dichlorodifluoromethane	50.0	50.80		ug/Kg		102	63 - 146
Di-isopropyl ether (DIPE)	50.0	49.79		ug/Kg		100	73 - 132
Ethanol	500	680.3		ug/Kg		136	46 - 159
Ethylbenzene	50.0	54.51		ug/Kg		109	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	49.11		ug/Kg		98	77 - 129
Isopropylbenzene	50.0	56.14		ug/Kg		112	80 - 122
Methylene Chloride	50.0	48.02		ug/Kg		96	74 - 120
Methyl-t-Butyl Ether (MTBE)	50.0	46.85		ug/Kg		94	79 - 123
Naphthalene	50.0	48.33		ug/Kg		97	79 - 121
n-Butylbenzene	50.0	52.97		ug/Kg		106	79 - 131
N-Propylbenzene	50.0	56.97		ug/Kg		114	80 - 122
o-Xylene	50.0	55.21		ug/Kg		110	80 - 120
m,p-Xylene	100	114.1		ug/Kg		114	80 - 120
p-Isopropyltoluene	50.0	55.40		ug/Kg		111	80 - 126
sec-Butylbenzene	50.0	52.76		ug/Kg		106	80 - 125
Styrene	50.0	56.76		ug/Kg		114	80 - 120
trans-1,2-Dichloroethene	50.0	50.51		ug/Kg		101	75 - 123
trans-1,3-Dichloropropene	50.0	50.59		ug/Kg		101	80 - 124

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-492773/3

Matrix: Solid

Analysis Batch: 492773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tert-amyl-methyl ether (TAME)	50.0	45.59		ug/Kg		91	80 - 120
tert-Butyl alcohol (TBA)	250	275.9		ug/Kg		110	74 - 123
Toluene	50.0	53.10		ug/Kg		106	80 - 120
tert-Butylbenzene	50.0	54.16		ug/Kg		108	80 - 124
Tetrachloroethene	50.0	56.02		ug/Kg		112	80 - 122
Trichloroethene	50.0	52.79		ug/Kg		106	80 - 127
Trichlorofluoromethane	50.0	57.79		ug/Kg		116	70 - 144
Vinyl acetate	50.0	48.70		ug/Kg		97	71 - 125
Vinyl chloride	50.0	58.92		ug/Kg		118	79 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		32 - 179
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	98		58 - 147
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 570-492773/5

Matrix: Solid

Analysis Batch: 492773

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	53.27		ug/Kg		107	80 - 125	2	20
1,1,1-Trichloroethane	50.0	52.22		ug/Kg		104	78 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	46.15		ug/Kg		92	80 - 124	6	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.56		ug/Kg		107	73 - 130	1	20
1,1,2-Trichloroethane	50.0	52.78		ug/Kg		106	80 - 123	1	20
1,1-Dichloroethane	50.0	54.21		ug/Kg		108	79 - 124	0	20
1,1-Dichloroethene	50.0	57.07		ug/Kg		114	74 - 132	1	20
1,1-Dichloropropene	50.0	53.47		ug/Kg		107	78 - 130	0	20
1,2,3-Trichlorobenzene	50.0	49.36		ug/Kg		99	80 - 123	5	20
1,2,3-Trichloropropane	50.0	49.38		ug/Kg		99	79 - 120	2	20
1,2,4-Trichlorobenzene	50.0	48.77		ug/Kg		98	80 - 125	2	20
1,2,4-Trimethylbenzene	50.0	51.73		ug/Kg		103	80 - 124	5	20
1,2-Dibromo-3-Chloropropane	50.0	49.88		ug/Kg		100	67 - 120	4	20
1,2-Dibromoethane	50.0	52.90		ug/Kg		106	80 - 120	0	20
1,2-Dichlorobenzene	50.0	53.15		ug/Kg		106	80 - 120	4	20
1,2-Dichloroethane	50.0	58.14		ug/Kg		116	77 - 120	3	20
1,2-Dichloropropane	50.0	54.28		ug/Kg		109	80 - 126	2	20
1,3,5-Trimethylbenzene	50.0	58.53		ug/Kg		117	80 - 121	0	20
1,3-Dichlorobenzene	50.0	51.62		ug/Kg		103	80 - 120	7	20
1,3-Dichloropropane	50.0	52.06		ug/Kg		104	80 - 120	1	20
1,4-Dichlorobenzene	50.0	54.32		ug/Kg		109	80 - 120	2	20
2,2-Dichloropropane	50.0	46.43		ug/Kg		93	73 - 135	8	20
2-Butanone (MEK)	50.0	56.95		ug/Kg		114	67 - 136	5	20
2-Chlorotoluene	50.0	56.51		ug/Kg		113	80 - 120	1	20
2-Hexanone	50.0	55.74		ug/Kg		111	70 - 137	12	20
4-Chlorotoluene	50.0	51.89		ug/Kg		104	80 - 121	2	20
4-Methyl-2-pentanone (MIBK)	50.0	50.83		ug/Kg		102	74 - 124	0	20

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCSD 570-492773/5
Matrix: Solid
Analysis Batch: 492773

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	50.0	45.42		ug/Kg		91	61 - 142	6	23
Benzene	50.0	51.98		ug/Kg		104	80 - 120	1	20
Bromobenzene	50.0	56.04		ug/Kg		112	80 - 120	2	20
Bromochloromethane	50.0	51.69		ug/Kg		103	80 - 120	5	20
Bromodichloromethane	50.0	52.31		ug/Kg		105	80 - 125	0	20
Bromoform	50.0	48.68		ug/Kg		97	74 - 138	6	20
Bromomethane	50.0	69.15	*+	ug/Kg		138	58 - 136	3	20
cis-1,2-Dichloroethene	50.0	50.76		ug/Kg		102	80 - 124	0	20
cis-1,3-Dichloropropene	50.0	51.87		ug/Kg		104	80 - 123	1	20
Carbon disulfide	50.0	50.81		ug/Kg		102	68 - 128	0	20
Carbon tetrachloride	50.0	57.35		ug/Kg		115	75 - 140	0	20
Chlorobenzene	50.0	55.28		ug/Kg		111	80 - 120	2	20
Chloroethane	50.0	66.69		ug/Kg		133	76 - 137	5	20
Chloroform	50.0	51.21		ug/Kg		102	80 - 121	1	20
Chloromethane	50.0	51.43		ug/Kg		103	74 - 133	0	20
Dibromochloromethane	50.0	51.82		ug/Kg		104	80 - 132	3	20
Dibromomethane	50.0	53.22		ug/Kg		106	80 - 120	2	20
Dichlorodifluoromethane	50.0	52.21		ug/Kg		104	63 - 146	3	20
Di-isopropyl ether (DIPE)	50.0	48.52		ug/Kg		97	73 - 132	3	20
Ethanol	500	701.8		ug/Kg		140	46 - 159	3	30
Ethylbenzene	50.0	54.82		ug/Kg		110	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	47.86		ug/Kg		96	77 - 129	3	20
Isopropylbenzene	50.0	58.09		ug/Kg		116	80 - 122	3	20
Methylene Chloride	50.0	46.35		ug/Kg		93	74 - 120	4	20
Methyl-t-Butyl Ether (MTBE)	50.0	46.03		ug/Kg		92	79 - 123	2	20
Naphthalene	50.0	44.64		ug/Kg		89	79 - 121	8	20
n-Butylbenzene	50.0	52.57		ug/Kg		105	79 - 131	1	20
N-Propylbenzene	50.0	58.02		ug/Kg		116	80 - 122	2	20
o-Xylene	50.0	56.37		ug/Kg		113	80 - 120	2	20
m,p-Xylene	100	114.8		ug/Kg		115	80 - 120	1	20
p-Isopropyltoluene	50.0	54.06		ug/Kg		108	80 - 126	2	20
sec-Butylbenzene	50.0	51.70		ug/Kg		103	80 - 125	2	20
Styrene	50.0	57.21		ug/Kg		114	80 - 120	1	20
trans-1,2-Dichloroethene	50.0	50.27		ug/Kg		101	75 - 123	0	20
trans-1,3-Dichloropropene	50.0	50.77		ug/Kg		102	80 - 124	0	20
Tert-amyl-methyl ether (TAME)	50.0	44.02		ug/Kg		88	80 - 120	4	20
tert-Butyl alcohol (TBA)	250	273.9		ug/Kg		110	74 - 123	1	20
Toluene	50.0	53.41		ug/Kg		107	80 - 120	1	20
tert-Butylbenzene	50.0	52.52		ug/Kg		105	80 - 124	3	20
Tetrachloroethene	50.0	57.69		ug/Kg		115	80 - 122	3	20
Trichloroethene	50.0	53.14		ug/Kg		106	80 - 127	1	20
Trichlorofluoromethane	50.0	61.22		ug/Kg		122	70 - 144	6	20
Vinyl acetate	50.0	46.72		ug/Kg		93	71 - 125	4	20
Vinyl chloride	50.0	60.93		ug/Kg		122	79 - 133	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	105		32 - 179
4-Bromofluorobenzene (Surr)	103		80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCSD 570-492773/5
Matrix: Solid
Analysis Batch: 492773

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Dibromofluoromethane (Surr)</i>	98		58 - 147
<i>Toluene-d8 (Surr)</i>	98		80 - 120

Lab Sample ID: MB 570-493589/14
Matrix: Solid
Analysis Batch: 493589

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg			10/21/24 13:03	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg			10/21/24 13:03	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg			10/21/24 13:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg			10/21/24 13:03	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg			10/21/24 13:03	1
1,1-Dichloroethane	ND		1.0	ug/Kg			10/21/24 13:03	1
1,1-Dichloroethene	ND		1.0	ug/Kg			10/21/24 13:03	1
1,1-Dichloropropene	ND		2.0	ug/Kg			10/21/24 13:03	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg			10/21/24 13:03	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg			10/21/24 13:03	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg			10/21/24 13:03	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			10/21/24 13:03	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg			10/21/24 13:03	1
1,2-Dibromoethane	ND		1.0	ug/Kg			10/21/24 13:03	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
1,2-Dichloroethane	ND		1.0	ug/Kg			10/21/24 13:03	1
1,2-Dichloropropane	ND		1.0	ug/Kg			10/21/24 13:03	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			10/21/24 13:03	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
1,3-Dichloropropane	ND		1.0	ug/Kg			10/21/24 13:03	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
2,2-Dichloropropane	ND		5.0	ug/Kg			10/21/24 13:03	1
2-Butanone (MEK)	ND		20	ug/Kg			10/21/24 13:03	1
2-Chlorotoluene	ND		1.0	ug/Kg			10/21/24 13:03	1
2-Hexanone	ND		20	ug/Kg			10/21/24 13:03	1
4-Chlorotoluene	ND		1.0	ug/Kg			10/21/24 13:03	1
4-Methyl-2-pentanone (MIBK)	ND		20	ug/Kg			10/21/24 13:03	1
Acetone	ND		20	ug/Kg			10/21/24 13:03	1
Benzene	ND		1.0	ug/Kg			10/21/24 13:03	1
Bromobenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
Bromochloromethane	ND		2.0	ug/Kg			10/21/24 13:03	1
Bromodichloromethane	ND		1.0	ug/Kg			10/21/24 13:03	1
Bromoform	ND		5.0	ug/Kg			10/21/24 13:03	1
Bromomethane	ND		20	ug/Kg			10/21/24 13:03	1
cis-1,2-Dichloroethene	ND		1.0	ug/Kg			10/21/24 13:03	1
cis-1,3-Dichloropropene	ND		1.0	ug/Kg			10/21/24 13:03	1
Carbon disulfide	ND		10	ug/Kg			10/21/24 13:03	1
Carbon tetrachloride	ND		1.0	ug/Kg			10/21/24 13:03	1
Chlorobenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
Chloroethane	ND		2.0	ug/Kg			10/21/24 13:03	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-493589/14
Matrix: Solid
Analysis Batch: 493589

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	ug/Kg			10/21/24 13:03	1
Chloromethane	ND		20	ug/Kg			10/21/24 13:03	1
Dibromochloromethane	ND		2.0	ug/Kg			10/21/24 13:03	1
Dibromomethane	ND		1.0	ug/Kg			10/21/24 13:03	1
Dichlorodifluoromethane	ND		2.0	ug/Kg			10/21/24 13:03	1
Di-isopropyl ether (DIPE)	ND		1.0	ug/Kg			10/21/24 13:03	1
Ethanol	ND		250	ug/Kg			10/21/24 13:03	1
Ethylbenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	ug/Kg			10/21/24 13:03	1
Isopropylbenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
Methylene Chloride	ND		10	ug/Kg			10/21/24 13:03	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	ug/Kg			10/21/24 13:03	1
Naphthalene	ND		10	ug/Kg			10/21/24 13:03	1
n-Butylbenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
N-Propylbenzene	ND		2.0	ug/Kg			10/21/24 13:03	1
o-Xylene	ND		1.0	ug/Kg			10/21/24 13:03	1
m,p-Xylene	ND		2.0	ug/Kg			10/21/24 13:03	1
p-Isopropyltoluene	ND		1.0	ug/Kg			10/21/24 13:03	1
sec-Butylbenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
Styrene	ND		1.0	ug/Kg			10/21/24 13:03	1
trans-1,2-Dichloroethene	ND		1.0	ug/Kg			10/21/24 13:03	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			10/21/24 13:03	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg			10/21/24 13:03	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg			10/21/24 13:03	1
Toluene	ND		1.0	ug/Kg			10/21/24 13:03	1
tert-Butylbenzene	ND		1.0	ug/Kg			10/21/24 13:03	1
Tetrachloroethene	ND		1.0	ug/Kg			10/21/24 13:03	1
Trichloroethene	ND		2.0	ug/Kg			10/21/24 13:03	1
Trichlorofluoromethane	ND		10	ug/Kg			10/21/24 13:03	1
Vinyl acetate	ND		10	ug/Kg			10/21/24 13:03	1
Vinyl chloride	ND		1.0	ug/Kg			10/21/24 13:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		32 - 179		10/21/24 13:03	1
4-Bromofluorobenzene (Surr)	97		80 - 120		10/21/24 13:03	1
Dibromofluoromethane (Surr)	101		58 - 147		10/21/24 13:03	1
Toluene-d8 (Surr)	105		80 - 120		10/21/24 13:03	1

Lab Sample ID: MB 570-493589/15
Matrix: Solid
Analysis Batch: 493589

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	ug/Kg			10/21/24 13:24	50
1,1,1-Trichloroethane	ND		50	ug/Kg			10/21/24 13:24	50
1,1,2,2-Tetrachloroethane	ND		100	ug/Kg			10/21/24 13:24	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	ug/Kg			10/21/24 13:24	50
1,1,2-Trichloroethane	ND		50	ug/Kg			10/21/24 13:24	50

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-493589/15
Matrix: Solid
Analysis Batch: 493589

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		50	ug/Kg			10/21/24 13:24	50
1,1-Dichloroethene	ND		50	ug/Kg			10/21/24 13:24	50
1,1-Dichloropropene	ND		100	ug/Kg			10/21/24 13:24	50
1,2,3-Trichlorobenzene	ND		100	ug/Kg			10/21/24 13:24	50
1,2,3-Trichloropropane	ND		100	ug/Kg			10/21/24 13:24	50
1,2,4-Trichlorobenzene	ND		100	ug/Kg			10/21/24 13:24	50
1,2,4-Trimethylbenzene	ND		100	ug/Kg			10/21/24 13:24	50
1,2-Dibromo-3-Chloropropane	ND		500	ug/Kg			10/21/24 13:24	50
1,2-Dibromoethane	ND		50	ug/Kg			10/21/24 13:24	50
1,2-Dichlorobenzene	ND		50	ug/Kg			10/21/24 13:24	50
1,2-Dichloroethane	ND		50	ug/Kg			10/21/24 13:24	50
1,2-Dichloropropane	ND		50	ug/Kg			10/21/24 13:24	50
1,3,5-Trimethylbenzene	ND		100	ug/Kg			10/21/24 13:24	50
1,3-Dichlorobenzene	ND		50	ug/Kg			10/21/24 13:24	50
1,3-Dichloropropane	ND		50	ug/Kg			10/21/24 13:24	50
1,4-Dichlorobenzene	ND		50	ug/Kg			10/21/24 13:24	50
2,2-Dichloropropane	ND		250	ug/Kg			10/21/24 13:24	50
2-Butanone (MEK)	ND		1000	ug/Kg			10/21/24 13:24	50
2-Chlorotoluene	ND		50	ug/Kg			10/21/24 13:24	50
2-Hexanone	ND		1000	ug/Kg			10/21/24 13:24	50
4-Chlorotoluene	ND		50	ug/Kg			10/21/24 13:24	50
4-Methyl-2-pentanone (MIBK)	ND		1000	ug/Kg			10/21/24 13:24	50
Acetone	ND		1000	ug/Kg			10/21/24 13:24	50
Benzene	ND		50	ug/Kg			10/21/24 13:24	50
Bromobenzene	ND		50	ug/Kg			10/21/24 13:24	50
Bromochloromethane	ND		100	ug/Kg			10/21/24 13:24	50
Bromodichloromethane	ND		50	ug/Kg			10/21/24 13:24	50
Bromoform	ND		250	ug/Kg			10/21/24 13:24	50
Bromomethane	ND		1000	ug/Kg			10/21/24 13:24	50
cis-1,2-Dichloroethene	ND		50	ug/Kg			10/21/24 13:24	50
cis-1,3-Dichloropropene	ND		50	ug/Kg			10/21/24 13:24	50
Carbon disulfide	ND		500	ug/Kg			10/21/24 13:24	50
Carbon tetrachloride	ND		50	ug/Kg			10/21/24 13:24	50
Chlorobenzene	ND		50	ug/Kg			10/21/24 13:24	50
Chloroethane	ND		100	ug/Kg			10/21/24 13:24	50
Chloroform	ND		50	ug/Kg			10/21/24 13:24	50
Chloromethane	ND		1000	ug/Kg			10/21/24 13:24	50
Dibromochloromethane	ND		100	ug/Kg			10/21/24 13:24	50
Dibromomethane	ND		50	ug/Kg			10/21/24 13:24	50
Dichlorodifluoromethane	ND		100	ug/Kg			10/21/24 13:24	50
Di-isopropyl ether (DIPE)	ND		50	ug/Kg			10/21/24 13:24	50
Ethanol	ND		13000	ug/Kg			10/21/24 13:24	50
Ethylbenzene	ND		50	ug/Kg			10/21/24 13:24	50
Ethyl-t-butyl ether (ETBE)	ND		50	ug/Kg			10/21/24 13:24	50
Isopropylbenzene	ND		50	ug/Kg			10/21/24 13:24	50
Methylene Chloride	ND		500	ug/Kg			10/21/24 13:24	50
Methyl-t-Butyl Ether (MTBE)	ND		100	ug/Kg			10/21/24 13:24	50
Naphthalene	ND		500	ug/Kg			10/21/24 13:24	50
n-Butylbenzene	ND		50	ug/Kg			10/21/24 13:24	50

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-493589/15
Matrix: Solid
Analysis Batch: 493589

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		100	ug/Kg			10/21/24 13:24	50
o-Xylene	ND		50	ug/Kg			10/21/24 13:24	50
m,p-Xylene	ND		100	ug/Kg			10/21/24 13:24	50
p-Isopropyltoluene	ND		50	ug/Kg			10/21/24 13:24	50
sec-Butylbenzene	ND		50	ug/Kg			10/21/24 13:24	50
Styrene	ND		50	ug/Kg			10/21/24 13:24	50
trans-1,2-Dichloroethene	ND		50	ug/Kg			10/21/24 13:24	50
trans-1,3-Dichloropropene	ND		100	ug/Kg			10/21/24 13:24	50
Tert-amyl-methyl ether (TAME)	ND		50	ug/Kg			10/21/24 13:24	50
tert-Butyl alcohol (TBA)	ND		1000	ug/Kg			10/21/24 13:24	50
Toluene	ND		50	ug/Kg			10/21/24 13:24	50
tert-Butylbenzene	ND		50	ug/Kg			10/21/24 13:24	50
Tetrachloroethene	ND		50	ug/Kg			10/21/24 13:24	50
Trichloroethene	ND		100	ug/Kg			10/21/24 13:24	50
Trichlorofluoromethane	ND		500	ug/Kg			10/21/24 13:24	50
Vinyl acetate	ND		500	ug/Kg			10/21/24 13:24	50
Vinyl chloride	ND		50	ug/Kg			10/21/24 13:24	50

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		32 - 179		10/21/24 13:24	50
4-Bromofluorobenzene (Surr)	100		80 - 120		10/21/24 13:24	50
Dibromofluoromethane (Surr)	103		58 - 147		10/21/24 13:24	50
Toluene-d8 (Surr)	100		80 - 120		10/21/24 13:24	50

Lab Sample ID: LCS 570-493589/1011
Matrix: Solid
Analysis Batch: 493589

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	51.67		ug/Kg		103	80 - 125
1,1,1-Trichloroethane	50.0	54.70		ug/Kg		109	78 - 130
1,1,2,2-Tetrachloroethane	50.0	45.42		ug/Kg		91	80 - 124
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.70		ug/Kg		99	73 - 130
1,1,2-Trichloroethane	50.0	54.71		ug/Kg		109	80 - 123
1,1-Dichloroethane	50.0	51.35		ug/Kg		103	79 - 124
1,1-Dichloroethene	50.0	52.05		ug/Kg		104	74 - 132
1,1-Dichloropropene	50.0	54.37		ug/Kg		109	78 - 130
1,2,3-Trichlorobenzene	50.0	53.34		ug/Kg		107	80 - 123
1,2,3-Trichloropropane	50.0	47.33		ug/Kg		95	79 - 120
1,2,4-Trichlorobenzene	50.0	52.44		ug/Kg		105	80 - 125
1,2,4-Trimethylbenzene	50.0	53.99		ug/Kg		108	80 - 124
1,2-Dibromo-3-Chloropropane	50.0	53.03		ug/Kg		106	67 - 120
1,2-Dibromoethane	50.0	54.38		ug/Kg		109	80 - 120
1,2-Dichlorobenzene	50.0	51.51		ug/Kg		103	80 - 120
1,2-Dichloroethane	50.0	53.48		ug/Kg		107	77 - 120
1,2-Dichloropropane	50.0	51.11		ug/Kg		102	80 - 126
1,3,5-Trimethylbenzene	50.0	54.11		ug/Kg		108	80 - 121
1,3-Dichlorobenzene	50.0	50.68		ug/Kg		101	80 - 120

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-493589/1011
Matrix: Solid
Analysis Batch: 493589

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichloropropane	50.0	54.06		ug/Kg		108	80 - 120
1,4-Dichlorobenzene	50.0	50.42		ug/Kg		101	80 - 120
2,2-Dichloropropane	50.0	52.28		ug/Kg		105	73 - 135
2-Butanone (MEK)	50.0	50.25		ug/Kg		100	67 - 136
2-Chlorotoluene	50.0	50.08		ug/Kg		100	80 - 120
2-Hexanone	50.0	50.65		ug/Kg		101	70 - 137
4-Chlorotoluene	50.0	50.40		ug/Kg		101	80 - 121
4-Methyl-2-pentanone (MIBK)	50.0	48.91		ug/Kg		98	74 - 124
Acetone	50.0	50.02		ug/Kg		100	61 - 142
Benzene	50.0	52.55		ug/Kg		105	80 - 120
Bromobenzene	50.0	52.16		ug/Kg		104	80 - 120
Bromochloromethane	50.0	51.86		ug/Kg		104	80 - 120
Bromodichloromethane	50.0	52.32		ug/Kg		105	80 - 125
Bromoform	50.0	49.80		ug/Kg		100	74 - 138
Bromomethane	50.0	53.64		ug/Kg		107	58 - 136
cis-1,2-Dichloroethene	50.0	52.68		ug/Kg		105	80 - 124
cis-1,3-Dichloropropene	50.0	59.09		ug/Kg		118	80 - 123
Carbon disulfide	50.0	48.06		ug/Kg		96	68 - 128
Carbon tetrachloride	50.0	56.01		ug/Kg		112	75 - 140
Chlorobenzene	50.0	51.65		ug/Kg		103	80 - 120
Chloroethane	50.0	55.12		ug/Kg		110	76 - 137
Chloroform	50.0	52.50		ug/Kg		105	80 - 121
Chloromethane	50.0	53.38		ug/Kg		107	74 - 133
Dibromochloromethane	50.0	53.36		ug/Kg		107	80 - 132
Dibromomethane	50.0	50.38		ug/Kg		101	80 - 120
Dichlorodifluoromethane	50.0	54.61		ug/Kg		109	63 - 146
Di-isopropyl ether (DIPE)	50.0	52.58		ug/Kg		105	73 - 132
Ethanol	500	560.0		ug/Kg		112	46 - 159
Ethylbenzene	50.0	51.57		ug/Kg		103	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	53.01		ug/Kg		106	77 - 129
Isopropylbenzene	50.0	48.82		ug/Kg		98	80 - 122
Methylene Chloride	50.0	47.55		ug/Kg		95	74 - 120
Methyl-t-Butyl Ether (MTBE)	50.0	52.81		ug/Kg		106	79 - 123
Naphthalene	50.0	52.83		ug/Kg		106	79 - 121
n-Butylbenzene	50.0	52.68		ug/Kg		105	79 - 131
N-Propylbenzene	50.0	51.28		ug/Kg		103	80 - 122
o-Xylene	50.0	52.86		ug/Kg		106	80 - 120
m,p-Xylene	100	106.8		ug/Kg		107	80 - 120
p-Isopropyltoluene	50.0	52.92		ug/Kg		106	80 - 126
sec-Butylbenzene	50.0	52.66		ug/Kg		105	80 - 125
Styrene	50.0	52.85		ug/Kg		106	80 - 120
trans-1,2-Dichloroethene	50.0	51.89		ug/Kg		104	75 - 123
trans-1,3-Dichloropropene	50.0	50.72		ug/Kg		101	80 - 124
Tert-amyl-methyl ether (TAME)	50.0	51.55		ug/Kg		103	80 - 120
tert-Butyl alcohol (TBA)	250	265.6		ug/Kg		106	74 - 123
Toluene	50.0	51.41		ug/Kg		103	80 - 120
tert-Butylbenzene	50.0	52.34		ug/Kg		105	80 - 124
Tetrachloroethene	50.0	51.33		ug/Kg		103	80 - 122
Trichloroethene	50.0	52.69		ug/Kg		105	80 - 127

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-493589/1011
Matrix: Solid
Analysis Batch: 493589

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichlorofluoromethane	50.0	57.60		ug/Kg		115	70 - 144
Vinyl acetate	50.0	50.27		ug/Kg		101	71 - 125
Vinyl chloride	50.0	56.92		ug/Kg		114	79 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		32 - 179
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	105		58 - 147
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 570-493589/12
Matrix: Solid
Analysis Batch: 493589

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	50.29		ug/Kg		101	80 - 125	3	20
1,1,1-Trichloroethane	50.0	50.92		ug/Kg		102	78 - 130	7	20
1,1,1,2-Tetrachloroethane	50.0	51.02		ug/Kg		102	80 - 124	12	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.05		ug/Kg		106	73 - 130	7	20
1,1,2-Trichloroethane	50.0	53.27		ug/Kg		107	80 - 123	3	20
1,1-Dichloroethane	50.0	49.75		ug/Kg		100	79 - 124	3	20
1,1-Dichloroethene	50.0	55.49		ug/Kg		111	74 - 132	6	20
1,1-Dichloropropene	50.0	52.70		ug/Kg		105	78 - 130	3	20
1,2,3-Trichlorobenzene	50.0	55.11		ug/Kg		110	80 - 123	3	20
1,2,3-Trichloropropane	50.0	51.55		ug/Kg		103	79 - 120	9	20
1,2,4-Trichlorobenzene	50.0	52.69		ug/Kg		105	80 - 125	0	20
1,2,4-Trimethylbenzene	50.0	54.25		ug/Kg		109	80 - 124	0	20
1,2-Dibromo-3-Chloropropane	50.0	52.98		ug/Kg		106	67 - 120	0	20
1,2-Dibromoethane	50.0	52.51		ug/Kg		105	80 - 120	4	20
1,2-Dichlorobenzene	50.0	51.99		ug/Kg		104	80 - 120	1	20
1,2-Dichloroethane	50.0	50.91		ug/Kg		102	77 - 120	5	20
1,2-Dichloropropane	50.0	49.99		ug/Kg		100	80 - 126	2	20
1,3,5-Trimethylbenzene	50.0	56.74		ug/Kg		113	80 - 121	5	20
1,3-Dichlorobenzene	50.0	51.13		ug/Kg		102	80 - 120	1	20
1,3-Dichloropropane	50.0	51.35		ug/Kg		103	80 - 120	5	20
1,4-Dichlorobenzene	50.0	50.49		ug/Kg		101	80 - 120	0	20
2,2-Dichloropropane	50.0	50.42		ug/Kg		101	73 - 135	4	20
2-Butanone (MEK)	50.0	49.03		ug/Kg		98	67 - 136	2	20
2-Chlorotoluene	50.0	54.49		ug/Kg		109	80 - 120	8	20
2-Hexanone	50.0	52.18		ug/Kg		104	70 - 137	3	20
4-Chlorotoluene	50.0	51.24		ug/Kg		102	80 - 121	2	20
4-Methyl-2-pentanone (MIBK)	50.0	48.62		ug/Kg		97	74 - 124	1	20
Acetone	50.0	47.49		ug/Kg		95	61 - 142	5	23
Benzene	50.0	51.19		ug/Kg		102	80 - 120	3	20
Bromobenzene	50.0	56.80		ug/Kg		114	80 - 120	9	20
Bromochloromethane	50.0	49.31		ug/Kg		99	80 - 120	5	20
Bromodichloromethane	50.0	50.71		ug/Kg		101	80 - 125	3	20
Bromoform	50.0	54.83		ug/Kg		110	74 - 138	10	20

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCSD 570-493589/12
Matrix: Solid
Analysis Batch: 493589

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	50.0	51.47		ug/Kg		103	58 - 136	4	20
cis-1,2-Dichloroethene	50.0	50.31		ug/Kg		101	80 - 124	5	20
cis-1,3-Dichloropropene	50.0	57.02		ug/Kg		114	80 - 123	4	20
Carbon disulfide	50.0	46.36		ug/Kg		93	68 - 128	4	20
Carbon tetrachloride	50.0	53.38		ug/Kg		107	75 - 140	5	20
Chlorobenzene	50.0	50.20		ug/Kg		100	80 - 120	3	20
Chloroethane	50.0	52.29		ug/Kg		105	76 - 137	5	20
Chloroform	50.0	50.34		ug/Kg		101	80 - 121	4	20
Chloromethane	50.0	49.27		ug/Kg		99	74 - 133	8	20
Dibromochloromethane	50.0	51.73		ug/Kg		103	80 - 132	3	20
Dibromomethane	50.0	50.29		ug/Kg		101	80 - 120	0	20
Dichlorodifluoromethane	50.0	52.08		ug/Kg		104	63 - 146	5	20
Di-isopropyl ether (DIPE)	50.0	50.21		ug/Kg		100	73 - 132	5	20
Ethanol	500	521.1		ug/Kg		104	46 - 159	7	30
Ethylbenzene	50.0	50.82		ug/Kg		102	80 - 120	1	20
Ethyl-t-butyl ether (ETBE)	50.0	50.75		ug/Kg		102	77 - 129	4	20
Isopropylbenzene	50.0	52.70		ug/Kg		105	80 - 122	8	20
Methylene Chloride	50.0	44.30		ug/Kg		89	74 - 120	7	20
Methyl-t-Butyl Ether (MTBE)	50.0	50.94		ug/Kg		102	79 - 123	4	20
Naphthalene	50.0	53.63		ug/Kg		107	79 - 121	1	20
n-Butylbenzene	50.0	52.98		ug/Kg		106	79 - 131	1	20
N-Propylbenzene	50.0	55.18		ug/Kg		110	80 - 122	7	20
o-Xylene	50.0	57.50		ug/Kg		115	80 - 120	8	20
m,p-Xylene	100	110.0		ug/Kg		110	80 - 120	3	20
p-Isopropyltoluene	50.0	53.09		ug/Kg		106	80 - 126	0	20
sec-Butylbenzene	50.0	52.87		ug/Kg		106	80 - 125	0	20
Styrene	50.0	56.60		ug/Kg		113	80 - 120	7	20
trans-1,2-Dichloroethene	50.0	49.84		ug/Kg		100	75 - 123	4	20
trans-1,3-Dichloropropene	50.0	49.74		ug/Kg		99	80 - 124	2	20
Tert-amyl-methyl ether (TAME)	50.0	50.68		ug/Kg		101	80 - 120	2	20
tert-Butyl alcohol (TBA)	250	248.7		ug/Kg		99	74 - 123	7	20
Toluene	50.0	50.10		ug/Kg		100	80 - 120	3	20
tert-Butylbenzene	50.0	52.35		ug/Kg		105	80 - 124	0	20
Tetrachloroethene	50.0	50.44		ug/Kg		101	80 - 122	2	20
Trichloroethene	50.0	50.45		ug/Kg		101	80 - 127	4	20
Trichlorofluoromethane	50.0	54.19		ug/Kg		108	70 - 144	6	20
Vinyl acetate	50.0	49.94		ug/Kg		100	71 - 125	1	20
Vinyl chloride	50.0	53.15		ug/Kg		106	79 - 133	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	101		32 - 179
4-Bromofluorobenzene (Surr)	111		80 - 120
Dibromofluoromethane (Surr)	100		58 - 147
Toluene-d8 (Surr)	99		80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-494033/21
Matrix: Water
Analysis Batch: 494033

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	ug/L			10/22/24 15:00	1
1,1,1-Trichloroethane	ND		1.0	ug/L			10/22/24 15:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			10/22/24 15:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/L			10/22/24 15:00	1
1,1,2-Trichloroethane	ND		1.0	ug/L			10/22/24 15:00	1
1,1-Dichloroethane	ND		1.0	ug/L			10/22/24 15:00	1
1,1-Dichloroethene	ND		1.0	ug/L			10/22/24 15:00	1
1,1-Dichloropropene	ND		1.0	ug/L			10/22/24 15:00	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			10/22/24 15:00	1
1,2,3-Trichloropropane	ND		5.0	ug/L			10/22/24 15:00	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			10/22/24 15:00	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			10/22/24 15:00	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/L			10/22/24 15:00	1
1,2-Dibromoethane	ND		1.0	ug/L			10/22/24 15:00	1
1,2-Dichlorobenzene	ND		1.0	ug/L			10/22/24 15:00	1
1,2-Dichloroethane	ND		0.50	ug/L			10/22/24 15:00	1
1,2-Dichloropropane	ND		1.0	ug/L			10/22/24 15:00	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			10/22/24 15:00	1
1,3-Dichlorobenzene	ND		1.0	ug/L			10/22/24 15:00	1
1,3-Dichloropropane	ND		1.0	ug/L			10/22/24 15:00	1
1,4-Dichlorobenzene	ND		1.0	ug/L			10/22/24 15:00	1
2,2-Dichloropropane	ND		1.0	ug/L			10/22/24 15:00	1
2-Butanone (MEK)	ND		10	ug/L			10/22/24 15:00	1
2-Chlorotoluene	ND		1.0	ug/L			10/22/24 15:00	1
2-Hexanone	ND		10	ug/L			10/22/24 15:00	1
4-Chlorotoluene	ND		1.0	ug/L			10/22/24 15:00	1
4-Methyl-2-pentanone (MIBK)	ND		10	ug/L			10/22/24 15:00	1
Acetone	ND		10	ug/L			10/22/24 15:00	1
Benzene	ND		0.50	ug/L			10/22/24 15:00	1
Bromobenzene	ND		1.0	ug/L			10/22/24 15:00	1
Bromochloromethane	ND		2.0	ug/L			10/22/24 15:00	1
Bromodichloromethane	ND		1.0	ug/L			10/22/24 15:00	1
Bromoform	ND		5.0	ug/L			10/22/24 15:00	1
Bromomethane	ND		25	ug/L			10/22/24 15:00	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 15:00	1
cis-1,3-Dichloropropane	ND		0.50	ug/L			10/22/24 15:00	1
Carbon disulfide	ND		10	ug/L			10/22/24 15:00	1
Carbon tetrachloride	ND		0.50	ug/L			10/22/24 15:00	1
Chlorobenzene	ND		1.0	ug/L			10/22/24 15:00	1
Chloroethane	ND		5.0	ug/L			10/22/24 15:00	1
Chloroform	ND		1.0	ug/L			10/22/24 15:00	1
Chloromethane	ND		10	ug/L			10/22/24 15:00	1
Dibromochloromethane	ND		2.0	ug/L			10/22/24 15:00	1
Dibromomethane	ND		1.0	ug/L			10/22/24 15:00	1
Dichlorodifluoromethane	ND		5.0	ug/L			10/22/24 15:00	1
Di-isopropyl ether (DIPE)	ND		2.0	ug/L			10/22/24 15:00	1
Ethanol	ND		100	ug/L			10/22/24 15:00	1
Ethylbenzene	ND		1.0	ug/L			10/22/24 15:00	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-494033/21
Matrix: Water
Analysis Batch: 494033

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		2.0	ug/L			10/22/24 15:00	1
Isopropylbenzene	ND		1.0	ug/L			10/22/24 15:00	1
Methylene Chloride	ND		10	ug/L			10/22/24 15:00	1
Methyl-t-Butyl Ether (MTBE)	ND		1.0	ug/L			10/22/24 15:00	1
Naphthalene	ND		10	ug/L			10/22/24 15:00	1
n-Butylbenzene	ND		1.0	ug/L			10/22/24 15:00	1
N-Propylbenzene	ND		1.0	ug/L			10/22/24 15:00	1
o-Xylene	ND		1.0	ug/L			10/22/24 15:00	1
m,p-Xylene	ND		2.0	ug/L			10/22/24 15:00	1
p-Isopropyltoluene	ND		1.0	ug/L			10/22/24 15:00	1
sec-Butylbenzene	ND		1.0	ug/L			10/22/24 15:00	1
Styrene	ND		1.0	ug/L			10/22/24 15:00	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			10/22/24 15:00	1
trans-1,3-Dichloropropene	ND		0.50	ug/L			10/22/24 15:00	1
Tert-amyl-methyl ether (TAME)	ND		2.0	ug/L			10/22/24 15:00	1
tert-Butyl alcohol (TBA)	ND		10	ug/L			10/22/24 15:00	1
Toluene	ND		1.0	ug/L			10/22/24 15:00	1
tert-Butylbenzene	ND		1.0	ug/L			10/22/24 15:00	1
Tetrachloroethene	ND		1.0	ug/L			10/22/24 15:00	1
Xylenes, Total	ND		2.0	ug/L			10/22/24 15:00	1
Trichloroethene	ND		1.0	ug/L			10/22/24 15:00	1
Trichlorofluoromethane	ND		10	ug/L			10/22/24 15:00	1
Vinyl acetate	ND		10	ug/L			10/22/24 15:00	1
Vinyl chloride	ND		0.50	ug/L			10/22/24 15:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		70 - 123		10/22/24 15:00	1
4-Bromofluorobenzene (Surr)	93		80 - 120		10/22/24 15:00	1
Dibromofluoromethane (Surr)	102		78 - 120		10/22/24 15:00	1
Toluene-d8 (Surr)	99		80 - 120		10/22/24 15:00	1

Lab Sample ID: LCS 570-494033/1018
Matrix: Water
Analysis Batch: 494033

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.05		ug/L		100	80 - 122
1,1,1-Trichloroethane	20.0	19.14		ug/L		96	78 - 125
1,1,2,2-Tetrachloroethane	20.0	18.67		ug/L		93	79 - 127
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.78		ug/L		99	72 - 138
1,1,2-Trichloroethane	20.0	19.67		ug/L		98	80 - 124
1,1-Dichloroethane	20.0	18.84		ug/L		94	80 - 127
1,1-Dichloroethene	20.0	19.00		ug/L		95	80 - 133
1,1-Dichloropropene	20.0	19.03		ug/L		95	79 - 126
1,2,3-Trichlorobenzene	20.0	19.08		ug/L		95	79 - 128
1,2,3-Trichloropropane	20.0	20.14		ug/L		101	71 - 128
1,2,4-Trichlorobenzene	20.0	22.05		ug/L		110	77 - 126
1,2,4-Trimethylbenzene	20.0	20.98		ug/L		105	80 - 121

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-494033/1018
Matrix: Water
Analysis Batch: 494033

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	20.0	17.89		ug/L		89	66 - 122
1,2-Dibromoethane	20.0	20.56		ug/L		103	80 - 120
1,2-Dichlorobenzene	20.0	21.25		ug/L		106	80 - 121
1,2-Dichloroethane	20.0	18.96		ug/L		95	77 - 122
1,2-Dichloropropane	20.0	19.17		ug/L		96	80 - 122
1,3,5-Trimethylbenzene	20.0	21.63		ug/L		108	80 - 123
1,3-Dichlorobenzene	20.0	20.39		ug/L		102	80 - 120
1,3-Dichloropropane	20.0	21.19		ug/L		106	80 - 121
1,4-Dichlorobenzene	20.0	19.67		ug/L		98	80 - 120
2,2-Dichloropropane	20.0	20.81		ug/L		104	68 - 143
2-Butanone (MEK)	20.0	17.87		ug/L		89	61 - 139
2-Chlorotoluene	20.0	19.90		ug/L		99	80 - 121
2-Hexanone	20.0	18.17		ug/L		91	63 - 134
4-Chlorotoluene	20.0	20.30		ug/L		101	80 - 121
4-Methyl-2-pentanone (MIBK)	20.0	16.30		ug/L		82	67 - 125
Acetone	20.0	20.49		ug/L		102	45 - 150
Benzene	20.0	18.66		ug/L		93	80 - 121
Bromobenzene	20.0	20.84		ug/L		104	80 - 120
Bromochloromethane	20.0	20.17		ug/L		101	80 - 121
Bromodichloromethane	20.0	18.79		ug/L		94	80 - 121
Bromoform	20.0	18.15		ug/L		91	78 - 124
Bromomethane	20.0	21.71	J	ug/L		109	48 - 156
cis-1,2-Dichloroethene	20.0	19.43		ug/L		97	80 - 125
cis-1,3-Dichloropropene	20.0	18.01		ug/L		90	80 - 120
Carbon disulfide	20.0	19.85		ug/L		99	76 - 129
Carbon tetrachloride	20.0	19.37		ug/L		97	71 - 137
Chlorobenzene	20.0	19.61		ug/L		98	80 - 120
Chloroethane	20.0	20.93		ug/L		105	73 - 138
Chloroform	20.0	19.11		ug/L		96	80 - 121
Chloromethane	20.0	19.63		ug/L		98	57 - 138
Dibromochloromethane	20.0	21.13		ug/L		106	80 - 126
Dibromomethane	20.0	19.27		ug/L		96	80 - 120
Dichlorodifluoromethane	20.0	23.47		ug/L		117	44 - 148
Di-isopropyl ether (DIPE)	20.0	19.20		ug/L		96	75 - 134
Ethanol	200	167.3		ug/L		84	50 - 168
Ethylbenzene	20.0	20.60		ug/L		103	80 - 121
Ethyl-t-butyl ether (ETBE)	20.0	18.75		ug/L		94	80 - 124
Isopropylbenzene	20.0	22.02		ug/L		110	80 - 121
Methylene Chloride	20.0	19.27		ug/L		96	80 - 121
Methyl-t-Butyl Ether (MTBE)	20.0	19.06		ug/L		95	78 - 123
Naphthalene	20.0	17.52		ug/L		88	65 - 133
n-Butylbenzene	20.0	21.94		ug/L		110	80 - 125
N-Propylbenzene	20.0	21.53		ug/L		108	80 - 125
o-Xylene	20.0	20.18		ug/L		101	80 - 122
m,p-Xylene	40.0	44.04		ug/L		110	80 - 123
p-Isopropyltoluene	20.0	21.48		ug/L		107	80 - 124
sec-Butylbenzene	20.0	20.82		ug/L		104	80 - 122
Styrene	20.0	21.35		ug/L		107	80 - 120
trans-1,2-Dichloroethene	20.0	19.80		ug/L		99	80 - 122

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-494033/1018

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 494033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	20.0	19.54		ug/L		98	80 - 125
Tert-amyl-methyl ether (TAME)	20.0	19.64		ug/L		98	74 - 125
tert-Butyl alcohol (TBA)	100	91.29		ug/L		91	70 - 141
Toluene	20.0	18.52		ug/L		93	80 - 120
tert-Butylbenzene	20.0	21.47		ug/L		107	80 - 122
Tetrachloroethene	20.0	22.20		ug/L		111	80 - 122
Trichloroethene	20.0	19.56		ug/L		98	80 - 120
Trichlorofluoromethane	20.0	22.05		ug/L		110	67 - 142
Vinyl acetate	20.0	19.43		ug/L		97	62 - 140
Vinyl chloride	20.0	22.29		ug/L		111	66 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 123
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	101		78 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 570-494033/19

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 494033

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	20.0	19.02		ug/L		95	80 - 122	5	20
1,1,1-Trichloroethane	20.0	17.53		ug/L		88	78 - 125	9	20
1,1,2,2-Tetrachloroethane	20.0	19.39		ug/L		97	79 - 127	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.75		ug/L		94	72 - 138	5	20
1,1,2-Trichloroethane	20.0	19.16		ug/L		96	80 - 124	3	20
1,1-Dichloroethane	20.0	17.75		ug/L		89	80 - 127	6	20
1,1-Dichloroethene	20.0	18.32		ug/L		92	80 - 133	4	20
1,1-Dichloropropene	20.0	17.24		ug/L		86	79 - 126	10	20
1,2,3-Trichlorobenzene	20.0	19.12		ug/L		96	79 - 128	0	20
1,2,3-Trichloropropane	20.0	16.46		ug/L		82	71 - 128	20	20
1,2,4-Trichlorobenzene	20.0	20.62		ug/L		103	77 - 126	7	20
1,2,4-Trimethylbenzene	20.0	18.47		ug/L		92	80 - 121	13	20
1,2-Dibromo-3-Chloropropane	20.0	18.10		ug/L		91	66 - 122	1	20
1,2-Dibromoethane	20.0	18.47		ug/L		92	80 - 120	11	20
1,2-Dichlorobenzene	20.0	18.69		ug/L		93	80 - 121	13	20
1,2-Dichloroethane	20.0	18.72		ug/L		94	77 - 122	1	20
1,2-Dichloropropane	20.0	16.86		ug/L		84	80 - 122	13	20
1,3,5-Trimethylbenzene	20.0	17.79		ug/L		89	80 - 123	19	20
1,3-Dichlorobenzene	20.0	18.40		ug/L		92	80 - 120	10	20
1,3-Dichloropropane	20.0	19.26		ug/L		96	80 - 121	10	20
1,4-Dichlorobenzene	20.0	18.41		ug/L		92	80 - 120	7	20
2,2-Dichloropropane	20.0	18.75		ug/L		94	68 - 143	10	20
2-Butanone (MEK)	20.0	18.56		ug/L		93	61 - 139	4	25
2-Chlorotoluene	20.0	17.50		ug/L		88	80 - 121	13	20
2-Hexanone	20.0	18.58		ug/L		93	63 - 134	2	21
4-Chlorotoluene	20.0	19.03		ug/L		95	80 - 121	6	20

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCSD 570-494033/19
Matrix: Water
Analysis Batch: 494033

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	20.0	16.06		ug/L		80	67 - 125	2	20
Acetone	20.0	22.55		ug/L		113	45 - 150	10	23
Benzene	20.0	18.54		ug/L		93	80 - 121	1	20
Bromobenzene	20.0	17.35		ug/L		87	80 - 120	18	20
Bromochloromethane	20.0	19.01		ug/L		95	80 - 121	6	20
Bromodichloromethane	20.0	18.45		ug/L		92	80 - 121	2	20
Bromoform	20.0	19.64		ug/L		98	78 - 124	8	20
Bromomethane	20.0	20.21	J	ug/L		101	48 - 156	7	21
cis-1,2-Dichloroethene	20.0	17.74		ug/L		89	80 - 125	9	20
cis-1,3-Dichloropropene	20.0	17.20		ug/L		86	80 - 120	5	20
Carbon disulfide	20.0	19.00		ug/L		95	76 - 129	4	20
Carbon tetrachloride	20.0	17.32		ug/L		87	71 - 137	11	20
Chlorobenzene	20.0	18.40		ug/L		92	80 - 120	6	20
Chloroethane	20.0	18.12		ug/L		91	73 - 138	14	20
Chloroform	20.0	18.75		ug/L		94	80 - 121	2	20
Chloromethane	20.0	17.68		ug/L		88	57 - 138	10	20
Dibromochloromethane	20.0	19.06		ug/L		95	80 - 126	10	20
Dibromomethane	20.0	18.93		ug/L		95	80 - 120	2	20
Dichlorodifluoromethane	20.0	19.23		ug/L		96	44 - 148	20	28
Di-isopropyl ether (DIPE)	20.0	18.50		ug/L		93	75 - 134	4	20
Ethanol	200	195.7		ug/L		98	50 - 168	16	29
Ethylbenzene	20.0	18.73		ug/L		94	80 - 121	10	20
Ethyl-t-butyl ether (ETBE)	20.0	18.39		ug/L		92	80 - 124	2	20
Isopropylbenzene	20.0	19.49		ug/L		97	80 - 121	12	20
Methylene Chloride	20.0	19.26		ug/L		96	80 - 121	0	20
Methyl-t-Butyl Ether (MTBE)	20.0	18.49		ug/L		92	78 - 123	3	20
Naphthalene	20.0	18.73		ug/L		94	65 - 133	7	20
n-Butylbenzene	20.0	18.66		ug/L		93	80 - 125	16	20
N-Propylbenzene	20.0	17.95		ug/L		90	80 - 125	18	20
o-Xylene	20.0	18.27		ug/L		91	80 - 122	10	20
m,p-Xylene	40.0	40.01		ug/L		100	80 - 123	10	20
p-Isopropyltoluene	20.0	18.54		ug/L		93	80 - 124	15	20
sec-Butylbenzene	20.0	18.60		ug/L		93	80 - 122	11	20
Styrene	20.0	18.96		ug/L		95	80 - 120	12	20
trans-1,2-Dichloroethene	20.0	18.07		ug/L		90	80 - 122	9	20
trans-1,3-Dichloropropene	20.0	18.58		ug/L		93	80 - 125	5	20
Tert-amyl-methyl ether (TAME)	20.0	19.36		ug/L		97	74 - 125	1	20
tert-Butyl alcohol (TBA)	100	95.12		ug/L		95	70 - 141	4	20
Toluene	20.0	18.35		ug/L		92	80 - 120	1	20
tert-Butylbenzene	20.0	17.71		ug/L		89	80 - 122	19	20
Tetrachloroethene	20.0	18.66		ug/L		93	80 - 122	17	20
Trichloroethene	20.0	16.01		ug/L		80	80 - 120	20	20
Trichlorofluoromethane	20.0	21.66		ug/L		108	67 - 142	2	20
Vinyl acetate	20.0	19.08		ug/L		95	62 - 140	2	21
Vinyl chloride	20.0	19.40		ug/L		97	66 - 136	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 123

QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCSD 570-494033/19
Matrix: Water
Analysis Batch: 494033

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

<i>Surrogate</i>	<i>LCSD %Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	101		78 - 120
Toluene-d8 (Surr)	104		80 - 120

Lab Sample ID: MB 570-494076/14
Matrix: Solid
Analysis Batch: 494076

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/Kg			10/22/24 13:37	1
1,1,1-Trichloroethane	ND		1.0	ug/Kg			10/22/24 13:37	1
1,1,2,2-Tetrachloroethane	ND		2.0	ug/Kg			10/22/24 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	ug/Kg			10/22/24 13:37	1
1,1,2-Trichloroethane	ND		1.0	ug/Kg			10/22/24 13:37	1
1,1-Dichloroethane	ND		1.0	ug/Kg			10/22/24 13:37	1
1,1-Dichloroethene	ND		1.0	ug/Kg			10/22/24 13:37	1
1,1-Dichloropropene	ND		2.0	ug/Kg			10/22/24 13:37	1
1,2,3-Trichlorobenzene	ND		2.0	ug/Kg			10/22/24 13:37	1
1,2,3-Trichloropropane	ND		2.0	ug/Kg			10/22/24 13:37	1
1,2,4-Trichlorobenzene	ND		2.0	ug/Kg			10/22/24 13:37	1
1,2,4-Trimethylbenzene	ND		2.0	ug/Kg			10/22/24 13:37	1
1,2-Dibromo-3-Chloropropane	ND		10	ug/Kg			10/22/24 13:37	1
1,2-Dibromoethane	ND		1.0	ug/Kg			10/22/24 13:37	1
1,2-Dichlorobenzene	ND		1.0	ug/Kg			10/22/24 13:37	1
1,2-Dichloroethane	ND		1.0	ug/Kg			10/22/24 13:37	1
1,2-Dichloropropane	ND		1.0	ug/Kg			10/22/24 13:37	1
1,3,5-Trimethylbenzene	ND		2.0	ug/Kg			10/22/24 13:37	1
1,3-Dichlorobenzene	ND		1.0	ug/Kg			10/22/24 13:37	1
1,3-Dichloropropane	ND		1.0	ug/Kg			10/22/24 13:37	1
1,4-Dichlorobenzene	ND		1.0	ug/Kg			10/22/24 13:37	1
2,2-Dichloropropane	ND		5.0	ug/Kg			10/22/24 13:37	1
2-Butanone (MEK)	ND		20	ug/Kg			10/22/24 13:37	1
2-Chlorotoluene	ND		1.0	ug/Kg			10/22/24 13:37	1
2-Hexanone	ND		20	ug/Kg			10/22/24 13:37	1
4-Chlorotoluene	ND		1.0	ug/Kg			10/22/24 13:37	1
4-Methyl-2-pentanone (MIBK)	ND		20	ug/Kg			10/22/24 13:37	1
Acetone	ND		20	ug/Kg			10/22/24 13:37	1
Benzene	ND		1.0	ug/Kg			10/22/24 13:37	1
Bromobenzene	ND		1.0	ug/Kg			10/22/24 13:37	1
Bromochloromethane	ND		2.0	ug/Kg			10/22/24 13:37	1
Bromodichloromethane	ND		1.0	ug/Kg			10/22/24 13:37	1
Bromoform	ND		5.0	ug/Kg			10/22/24 13:37	1
Bromomethane	ND		20	ug/Kg			10/22/24 13:37	1
cis-1,2-Dichloroethene	ND		1.0	ug/Kg			10/22/24 13:37	1
cis-1,3-Dichloropropene	ND		1.0	ug/Kg			10/22/24 13:37	1
Carbon disulfide	ND		10	ug/Kg			10/22/24 13:37	1
Carbon tetrachloride	ND		1.0	ug/Kg			10/22/24 13:37	1
Chlorobenzene	ND		1.0	ug/Kg			10/22/24 13:37	1

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-494076/14
Matrix: Solid
Analysis Batch: 494076

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		2.0	ug/Kg			10/22/24 13:37	1
Chloroform	ND		1.0	ug/Kg			10/22/24 13:37	1
Chloromethane	ND		20	ug/Kg			10/22/24 13:37	1
Dibromochloromethane	ND		2.0	ug/Kg			10/22/24 13:37	1
Dibromomethane	ND		1.0	ug/Kg			10/22/24 13:37	1
Dichlorodifluoromethane	ND		2.0	ug/Kg			10/22/24 13:37	1
Di-isopropyl ether (DIPE)	ND		1.0	ug/Kg			10/22/24 13:37	1
Ethanol	ND		250	ug/Kg			10/22/24 13:37	1
Ethylbenzene	ND		1.0	ug/Kg			10/22/24 13:37	1
Ethyl-t-butyl ether (ETBE)	ND		1.0	ug/Kg			10/22/24 13:37	1
Isopropylbenzene	ND		1.0	ug/Kg			10/22/24 13:37	1
Methylene Chloride	ND		10	ug/Kg			10/22/24 13:37	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0	ug/Kg			10/22/24 13:37	1
Naphthalene	ND		10	ug/Kg			10/22/24 13:37	1
n-Butylbenzene	ND		1.0	ug/Kg			10/22/24 13:37	1
N-Propylbenzene	ND		2.0	ug/Kg			10/22/24 13:37	1
o-Xylene	ND		1.0	ug/Kg			10/22/24 13:37	1
m,p-Xylene	ND		2.0	ug/Kg			10/22/24 13:37	1
p-Isopropyltoluene	ND		1.0	ug/Kg			10/22/24 13:37	1
sec-Butylbenzene	ND		1.0	ug/Kg			10/22/24 13:37	1
Styrene	ND		1.0	ug/Kg			10/22/24 13:37	1
trans-1,2-Dichloroethene	ND		1.0	ug/Kg			10/22/24 13:37	1
trans-1,3-Dichloropropene	ND		2.0	ug/Kg			10/22/24 13:37	1
Tert-amyl-methyl ether (TAME)	ND		1.0	ug/Kg			10/22/24 13:37	1
tert-Butyl alcohol (TBA)	ND		20	ug/Kg			10/22/24 13:37	1
Toluene	ND		1.0	ug/Kg			10/22/24 13:37	1
tert-Butylbenzene	ND		1.0	ug/Kg			10/22/24 13:37	1
Tetrachloroethene	ND		1.0	ug/Kg			10/22/24 13:37	1
Trichloroethene	ND		2.0	ug/Kg			10/22/24 13:37	1
Trichlorofluoromethane	ND		10	ug/Kg			10/22/24 13:37	1
Vinyl acetate	ND		10	ug/Kg			10/22/24 13:37	1
Vinyl chloride	ND		1.0	ug/Kg			10/22/24 13:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		32 - 179		10/22/24 13:37	1
4-Bromofluorobenzene (Surr)	94		80 - 120		10/22/24 13:37	1
Dibromofluoromethane (Surr)	102		58 - 147		10/22/24 13:37	1
Toluene-d8 (Surr)	99		80 - 120		10/22/24 13:37	1

Lab Sample ID: MB 570-494076/15
Matrix: Solid
Analysis Batch: 494076

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50	ug/Kg			10/22/24 13:59	50
1,1,1-Trichloroethane	ND		50	ug/Kg			10/22/24 13:59	50
1,1,2,2-Tetrachloroethane	ND		100	ug/Kg			10/22/24 13:59	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	ug/Kg			10/22/24 13:59	50

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-494076/15
Matrix: Solid
Analysis Batch: 494076

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		50	ug/Kg			10/22/24 13:59	50
1,1-Dichloroethane	ND		50	ug/Kg			10/22/24 13:59	50
1,1-Dichloroethene	ND		50	ug/Kg			10/22/24 13:59	50
1,1-Dichloropropene	ND		100	ug/Kg			10/22/24 13:59	50
1,2,3-Trichlorobenzene	ND		100	ug/Kg			10/22/24 13:59	50
1,2,3-Trichloropropane	ND		100	ug/Kg			10/22/24 13:59	50
1,2,4-Trichlorobenzene	ND		100	ug/Kg			10/22/24 13:59	50
1,2,4-Trimethylbenzene	ND		100	ug/Kg			10/22/24 13:59	50
1,2-Dibromo-3-Chloropropane	ND		500	ug/Kg			10/22/24 13:59	50
1,2-Dibromoethane	ND		50	ug/Kg			10/22/24 13:59	50
1,2-Dichlorobenzene	ND		50	ug/Kg			10/22/24 13:59	50
1,2-Dichloroethane	ND		50	ug/Kg			10/22/24 13:59	50
1,2-Dichloropropane	ND		50	ug/Kg			10/22/24 13:59	50
1,3,5-Trimethylbenzene	ND		100	ug/Kg			10/22/24 13:59	50
1,3-Dichlorobenzene	ND		50	ug/Kg			10/22/24 13:59	50
1,3-Dichloropropane	ND		50	ug/Kg			10/22/24 13:59	50
1,4-Dichlorobenzene	ND		50	ug/Kg			10/22/24 13:59	50
2,2-Dichloropropane	ND		250	ug/Kg			10/22/24 13:59	50
2-Butanone (MEK)	ND		1000	ug/Kg			10/22/24 13:59	50
2-Chlorotoluene	ND		50	ug/Kg			10/22/24 13:59	50
2-Hexanone	ND		1000	ug/Kg			10/22/24 13:59	50
4-Chlorotoluene	ND		50	ug/Kg			10/22/24 13:59	50
4-Methyl-2-pentanone (MIBK)	ND		1000	ug/Kg			10/22/24 13:59	50
Acetone	ND		1000	ug/Kg			10/22/24 13:59	50
Benzene	ND		50	ug/Kg			10/22/24 13:59	50
Bromobenzene	ND		50	ug/Kg			10/22/24 13:59	50
Bromochloromethane	ND		100	ug/Kg			10/22/24 13:59	50
Bromodichloromethane	ND		50	ug/Kg			10/22/24 13:59	50
Bromoform	ND		250	ug/Kg			10/22/24 13:59	50
Bromomethane	ND		1000	ug/Kg			10/22/24 13:59	50
cis-1,2-Dichloroethene	ND		50	ug/Kg			10/22/24 13:59	50
cis-1,3-Dichloropropene	ND		50	ug/Kg			10/22/24 13:59	50
Carbon disulfide	ND		500	ug/Kg			10/22/24 13:59	50
Carbon tetrachloride	ND		50	ug/Kg			10/22/24 13:59	50
Chlorobenzene	ND		50	ug/Kg			10/22/24 13:59	50
Chloroethane	ND		100	ug/Kg			10/22/24 13:59	50
Chloroform	ND		50	ug/Kg			10/22/24 13:59	50
Chloromethane	ND		1000	ug/Kg			10/22/24 13:59	50
Dibromochloromethane	ND		100	ug/Kg			10/22/24 13:59	50
Dibromomethane	ND		50	ug/Kg			10/22/24 13:59	50
Dichlorodifluoromethane	ND		100	ug/Kg			10/22/24 13:59	50
Di-isopropyl ether (DIPE)	ND		50	ug/Kg			10/22/24 13:59	50
Ethanol	ND		13000	ug/Kg			10/22/24 13:59	50
Ethylbenzene	ND		50	ug/Kg			10/22/24 13:59	50
Ethyl-t-butyl ether (ETBE)	ND		50	ug/Kg			10/22/24 13:59	50
Isopropylbenzene	ND		50	ug/Kg			10/22/24 13:59	50
Methylene Chloride	ND		500	ug/Kg			10/22/24 13:59	50
Methyl-t-Butyl Ether (MTBE)	ND		100	ug/Kg			10/22/24 13:59	50
Naphthalene	ND		500	ug/Kg			10/22/24 13:59	50

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-494076/15
Matrix: Solid
Analysis Batch: 494076

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		50	ug/Kg			10/22/24 13:59	50
N-Propylbenzene	ND		100	ug/Kg			10/22/24 13:59	50
o-Xylene	ND		50	ug/Kg			10/22/24 13:59	50
m,p-Xylene	ND		100	ug/Kg			10/22/24 13:59	50
p-Isopropyltoluene	ND		50	ug/Kg			10/22/24 13:59	50
sec-Butylbenzene	ND		50	ug/Kg			10/22/24 13:59	50
Styrene	ND		50	ug/Kg			10/22/24 13:59	50
trans-1,2-Dichloroethene	ND		50	ug/Kg			10/22/24 13:59	50
trans-1,3-Dichloropropene	ND		100	ug/Kg			10/22/24 13:59	50
Tert-amyl-methyl ether (TAME)	ND		50	ug/Kg			10/22/24 13:59	50
tert-Butyl alcohol (TBA)	ND		1000	ug/Kg			10/22/24 13:59	50
Toluene	ND		50	ug/Kg			10/22/24 13:59	50
tert-Butylbenzene	ND		50	ug/Kg			10/22/24 13:59	50
Tetrachloroethene	ND		50	ug/Kg			10/22/24 13:59	50
Trichloroethene	ND		100	ug/Kg			10/22/24 13:59	50
Trichlorofluoromethane	ND		500	ug/Kg			10/22/24 13:59	50
Vinyl acetate	ND		500	ug/Kg			10/22/24 13:59	50
Vinyl chloride	ND		50	ug/Kg			10/22/24 13:59	50

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		32 - 179		10/22/24 13:59	50
4-Bromofluorobenzene (Surr)	93		80 - 120		10/22/24 13:59	50
Dibromofluoromethane (Surr)	98		58 - 147		10/22/24 13:59	50
Toluene-d8 (Surr)	98		80 - 120		10/22/24 13:59	50

Lab Sample ID: LCS 570-494076/1011
Matrix: Solid
Analysis Batch: 494076

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	53.11		ug/Kg		106	80 - 125
1,1,1-Trichloroethane	50.0	53.30		ug/Kg		107	78 - 130
1,1,2,2-Tetrachloroethane	50.0	53.04		ug/Kg		106	80 - 124
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.26		ug/Kg		91	73 - 130
1,1,2-Trichloroethane	50.0	51.28		ug/Kg		103	80 - 123
1,1-Dichloroethane	50.0	50.88		ug/Kg		102	79 - 124
1,1-Dichloroethene	50.0	47.75		ug/Kg		96	74 - 132
1,1-Dichloropropene	50.0	51.96		ug/Kg		104	78 - 130
1,2,3-Trichlorobenzene	50.0	53.60		ug/Kg		107	80 - 123
1,2,3-Trichloropropane	50.0	47.21		ug/Kg		94	79 - 120
1,2,4-Trichlorobenzene	50.0	51.30		ug/Kg		103	80 - 125
1,2,4-Trimethylbenzene	50.0	58.13		ug/Kg		116	80 - 124
1,2-Dibromo-3-Chloropropane	50.0	56.07		ug/Kg		112	67 - 120
1,2-Dibromoethane	50.0	54.09		ug/Kg		108	80 - 120
1,2-Dichlorobenzene	50.0	52.81		ug/Kg		106	80 - 120
1,2-Dichloroethane	50.0	48.73		ug/Kg		97	77 - 120
1,2-Dichloropropane	50.0	53.22		ug/Kg		106	80 - 126
1,3,5-Trimethylbenzene	50.0	53.20		ug/Kg		106	80 - 121

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-494076/1011
Matrix: Solid
Analysis Batch: 494076

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichlorobenzene	50.0	51.91		ug/Kg		104	80 - 120
1,3-Dichloropropane	50.0	52.40		ug/Kg		105	80 - 120
1,4-Dichlorobenzene	50.0	50.85		ug/Kg		102	80 - 120
2,2-Dichloropropane	50.0	52.97		ug/Kg		106	73 - 135
2-Butanone (MEK)	50.0	50.18		ug/Kg		100	67 - 136
2-Chlorotoluene	50.0	50.91		ug/Kg		102	80 - 120
2-Hexanone	50.0	46.93		ug/Kg		94	70 - 137
4-Chlorotoluene	50.0	53.17		ug/Kg		106	80 - 121
4-Methyl-2-pentanone (MIBK)	50.0	49.00		ug/Kg		98	74 - 124
Acetone	50.0	42.99		ug/Kg		86	61 - 142
Benzene	50.0	50.18		ug/Kg		100	80 - 120
Bromobenzene	50.0	50.82		ug/Kg		102	80 - 120
Bromochloromethane	50.0	50.15		ug/Kg		100	80 - 120
Bromodichloromethane	50.0	52.42		ug/Kg		105	80 - 125
Bromoform	50.0	56.05		ug/Kg		112	74 - 138
Bromomethane	50.0	47.91		ug/Kg		96	58 - 136
cis-1,2-Dichloroethene	50.0	50.48		ug/Kg		101	80 - 124
cis-1,3-Dichloropropene	50.0	62.19	*+	ug/Kg		124	80 - 123
Carbon disulfide	50.0	46.31		ug/Kg		93	68 - 128
Carbon tetrachloride	50.0	51.51		ug/Kg		103	75 - 140
Chlorobenzene	50.0	50.42		ug/Kg		101	80 - 120
Chloroethane	50.0	48.41		ug/Kg		97	76 - 137
Chloroform	50.0	49.62		ug/Kg		99	80 - 121
Chloromethane	50.0	44.27		ug/Kg		89	74 - 133
Dibromochloromethane	50.0	53.22		ug/Kg		106	80 - 132
Dibromomethane	50.0	49.58		ug/Kg		99	80 - 120
Dichlorodifluoromethane	50.0	46.89		ug/Kg		94	63 - 146
Di-isopropyl ether (DIPE)	50.0	52.51		ug/Kg		105	73 - 132
Ethanol	500	488.3		ug/Kg		98	46 - 159
Ethylbenzene	50.0	52.47		ug/Kg		105	80 - 120
Ethyl-t-butyl ether (ETBE)	50.0	54.66		ug/Kg		109	77 - 129
Isopropylbenzene	50.0	52.11		ug/Kg		104	80 - 122
Methylene Chloride	50.0	45.20		ug/Kg		90	74 - 120
Methyl-t-Butyl Ether (MTBE)	50.0	52.06		ug/Kg		104	79 - 123
Naphthalene	50.0	55.66		ug/Kg		111	79 - 121
n-Butylbenzene	50.0	55.16		ug/Kg		110	79 - 131
N-Propylbenzene	50.0	52.68		ug/Kg		105	80 - 122
o-Xylene	50.0	55.81		ug/Kg		112	80 - 120
m,p-Xylene	100	109.7		ug/Kg		110	80 - 120
p-Isopropyltoluene	50.0	55.83		ug/Kg		112	80 - 126
sec-Butylbenzene	50.0	56.69		ug/Kg		113	80 - 125
Styrene	50.0	53.78		ug/Kg		108	80 - 120
trans-1,2-Dichloroethene	50.0	48.93		ug/Kg		98	75 - 123
trans-1,3-Dichloropropene	50.0	52.13		ug/Kg		104	80 - 124
Tert-amyl-methyl ether (TAME)	50.0	53.31		ug/Kg		107	80 - 120
tert-Butyl alcohol (TBA)	250	237.0		ug/Kg		95	74 - 123
Toluene	50.0	52.04		ug/Kg		104	80 - 120
tert-Butylbenzene	50.0	57.71		ug/Kg		115	80 - 124
Tetrachloroethene	50.0	48.51		ug/Kg		97	80 - 122

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-494076/1011
Matrix: Solid
Analysis Batch: 494076

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	50.0	51.50		ug/Kg		103	80 - 127
Trichlorofluoromethane	50.0	47.95		ug/Kg		96	70 - 144
Vinyl acetate	50.0	48.67		ug/Kg		97	71 - 125
Vinyl chloride	50.0	47.54		ug/Kg		95	79 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		32 - 179
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	100		58 - 147
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-494076/12
Matrix: Solid
Analysis Batch: 494076

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	49.66		ug/Kg		99	80 - 125	7	20
1,1,1-Trichloroethane	50.0	51.22		ug/Kg		102	78 - 130	4	20
1,1,1,2-Tetrachloroethane	50.0	48.38		ug/Kg		97	80 - 124	9	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.82		ug/Kg		88	73 - 130	3	20
1,1,2-Trichloroethane	50.0	49.61		ug/Kg		99	80 - 123	3	20
1,1-Dichloroethane	50.0	49.52		ug/Kg		99	79 - 124	3	20
1,1-Dichloroethene	50.0	46.53		ug/Kg		93	74 - 132	3	20
1,1-Dichloropropene	50.0	49.60		ug/Kg		99	78 - 130	5	20
1,2,3-Trichlorobenzene	50.0	48.51		ug/Kg		97	80 - 123	10	20
1,2,3-Trichloropropane	50.0	46.41		ug/Kg		93	79 - 120	2	20
1,2,4-Trichlorobenzene	50.0	46.60		ug/Kg		93	80 - 125	10	20
1,2,4-Trimethylbenzene	50.0	51.79		ug/Kg		104	80 - 124	12	20
1,2-Dibromo-3-Chloropropane	50.0	52.89		ug/Kg		106	67 - 120	6	20
1,2-Dibromoethane	50.0	53.23		ug/Kg		106	80 - 120	2	20
1,2-Dichlorobenzene	50.0	46.90		ug/Kg		94	80 - 120	12	20
1,2-Dichloroethane	50.0	47.40		ug/Kg		95	77 - 120	3	20
1,2-Dichloropropane	50.0	51.26		ug/Kg		103	80 - 126	4	20
1,3,5-Trimethylbenzene	50.0	50.10		ug/Kg		100	80 - 121	6	20
1,3-Dichlorobenzene	50.0	45.67		ug/Kg		91	80 - 120	13	20
1,3-Dichloropropane	50.0	50.46		ug/Kg		101	80 - 120	4	20
1,4-Dichlorobenzene	50.0	44.87		ug/Kg		90	80 - 120	12	20
2,2-Dichloropropane	50.0	50.21		ug/Kg		100	73 - 135	5	20
2-Butanone (MEK)	50.0	55.69		ug/Kg		111	67 - 136	10	20
2-Chlorotoluene	50.0	47.30		ug/Kg		95	80 - 120	7	20
2-Hexanone	50.0	48.09		ug/Kg		96	70 - 137	2	20
4-Chlorotoluene	50.0	47.11		ug/Kg		94	80 - 121	12	20
4-Methyl-2-pentanone (MIBK)	50.0	49.29		ug/Kg		99	74 - 124	1	20
Acetone	50.0	45.00		ug/Kg		90	61 - 142	5	23
Benzene	50.0	48.60		ug/Kg		97	80 - 120	3	20
Bromobenzene	50.0	48.25		ug/Kg		96	80 - 120	5	20
Bromochloromethane	50.0	48.61		ug/Kg		97	80 - 120	3	20
Bromodichloromethane	50.0	50.51		ug/Kg		101	80 - 125	4	20

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCSD 570-494076/12
Matrix: Solid
Analysis Batch: 494076

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	50.0	50.60		ug/Kg		101	74 - 138	10	20
Bromomethane	50.0	48.91		ug/Kg		98	58 - 136	2	20
cis-1,2-Dichloroethene	50.0	49.20		ug/Kg		98	80 - 124	3	20
cis-1,3-Dichloropropene	50.0	59.50		ug/Kg		119	80 - 123	4	20
Carbon disulfide	50.0	44.33		ug/Kg		89	68 - 128	4	20
Carbon tetrachloride	50.0	48.96		ug/Kg		98	75 - 140	5	20
Chlorobenzene	50.0	47.65		ug/Kg		95	80 - 120	6	20
Chloroethane	50.0	47.88		ug/Kg		96	76 - 137	1	20
Chloroform	50.0	47.40		ug/Kg		95	80 - 121	5	20
Chloromethane	50.0	41.77		ug/Kg		84	74 - 133	6	20
Dibromochloromethane	50.0	50.97		ug/Kg		102	80 - 132	4	20
Dibromomethane	50.0	48.42		ug/Kg		97	80 - 120	2	20
Dichlorodifluoromethane	50.0	46.01		ug/Kg		92	63 - 146	2	20
Di-isopropyl ether (DIPE)	50.0	51.36		ug/Kg		103	73 - 132	2	20
Ethanol	500	456.1		ug/Kg		91	46 - 159	7	30
Ethylbenzene	50.0	49.31		ug/Kg		99	80 - 120	6	20
Ethyl-t-butyl ether (ETBE)	50.0	53.31		ug/Kg		107	77 - 129	3	20
Isopropylbenzene	50.0	48.44		ug/Kg		97	80 - 122	7	20
Methylene Chloride	50.0	44.15		ug/Kg		88	74 - 120	2	20
Methyl-t-Butyl Ether (MTBE)	50.0	51.63		ug/Kg		103	79 - 123	1	20
Naphthalene	50.0	52.12		ug/Kg		104	79 - 121	7	20
n-Butylbenzene	50.0	49.67		ug/Kg		99	79 - 131	10	20
N-Propylbenzene	50.0	49.13		ug/Kg		98	80 - 122	7	20
o-Xylene	50.0	52.69		ug/Kg		105	80 - 120	6	20
m,p-Xylene	100	103.1		ug/Kg		103	80 - 120	6	20
p-Isopropyltoluene	50.0	49.79		ug/Kg		100	80 - 126	11	20
sec-Butylbenzene	50.0	50.70		ug/Kg		101	80 - 125	11	20
Styrene	50.0	50.65		ug/Kg		101	80 - 120	6	20
trans-1,2-Dichloroethene	50.0	47.78		ug/Kg		96	75 - 123	2	20
trans-1,3-Dichloropropene	50.0	50.79		ug/Kg		102	80 - 124	3	20
Tert-amyl-methyl ether (TAME)	50.0	51.85		ug/Kg		104	80 - 120	3	20
tert-Butyl alcohol (TBA)	250	237.4		ug/Kg		95	74 - 123	0	20
Toluene	50.0	49.67		ug/Kg		99	80 - 120	5	20
tert-Butylbenzene	50.0	52.02		ug/Kg		104	80 - 124	10	20
Tetrachloroethene	50.0	46.10		ug/Kg		92	80 - 122	5	20
Trichloroethene	50.0	49.24		ug/Kg		98	80 - 127	4	20
Trichlorofluoromethane	50.0	48.00		ug/Kg		96	70 - 144	0	20
Vinyl acetate	50.0	49.56		ug/Kg		99	71 - 125	2	20
Vinyl chloride	50.0	47.12		ug/Kg		94	79 - 133	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	100		32 - 179
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	100		58 - 147
Toluene-d8 (Surr)	102		80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-493102/5
Matrix: Water
Analysis Batch: 493102

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
TPH as Gasoline (C4-C13)	ND		100	ug/L			10/18/24 11:34	1	
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64		50 - 150					10/18/24 11:34	1

Lab Sample ID: LCS 570-493102/3
Matrix: Water
Analysis Batch: 493102

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	2000	2138		ug/L		107	76 - 128
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	90		50 - 150				

Lab Sample ID: LCSD 570-493102/4
Matrix: Water
Analysis Batch: 493102

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	2000	2079		ug/L		104	76 - 128	3	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		50 - 150						

Lab Sample ID: MB 570-493235/3-A
Matrix: Solid
Analysis Batch: 493290

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493235

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
TPH as Gasoline (C4-C13)	ND		0.25	mg/Kg		10/18/24 17:57	10/19/24 02:36	1	
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		50 - 150				10/18/24 17:57	10/19/24 02:36	1

Lab Sample ID: MB 570-493235/4-A
Matrix: Solid
Analysis Batch: 493290

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493235

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
TPH as Gasoline (C4-C13)	ND		10	mg/Kg		10/18/24 17:57	10/19/24 03:00	20	
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		50 - 150				10/18/24 17:57	10/19/24 03:00	20

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-493235/1-A
Matrix: Solid
Analysis Batch: 493290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1.98	1.886		mg/Kg		95	77 - 128
Surrogate		LCS %Recovery	LCS Qualifier				Limits
4-Bromofluorobenzene (Surr)		91					50 - 150

Lab Sample ID: LCSD 570-493235/2-A
Matrix: Solid
Analysis Batch: 493290

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493235

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1.98	1.938		mg/Kg		98	77 - 128	3	16
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
4-Bromofluorobenzene (Surr)		88					50 - 150		

Lab Sample ID: 570-203269-18 MS
Matrix: Solid
Analysis Batch: 493290

Client Sample ID: EWVB5-S
Prep Type: Total/NA
Prep Batch: 493235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		2.07	1.721		mg/Kg	✱	83	48 - 114
Surrogate		MS %Recovery	MS Qualifier						Limits
4-Bromofluorobenzene (Surr)		91							50 - 150

Lab Sample ID: 570-203269-18 MSD
Matrix: Solid
Analysis Batch: 493290

Client Sample ID: EWVB5-S
Prep Type: Total/NA
Prep Batch: 493235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		2.06	1.839		mg/Kg	✱	89	48 - 114	7	23
Surrogate		MSD %Recovery	MSD Qualifier						Limits		
4-Bromofluorobenzene (Surr)		93							50 - 150		

Lab Sample ID: MB 570-494355/3-A
Matrix: Solid
Analysis Batch: 494365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 494355

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.25	mg/Kg		10/22/24 15:46	10/22/24 21:39	1
Surrogate		MB %Recovery	MB Qualifier			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		102				10/22/24 15:46	10/22/24 21:39	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-494355/1-A
Matrix: Solid
Analysis Batch: 494365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494355

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	1.98	2.040		mg/Kg		103	77 - 128
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	108		50 - 150				

Lab Sample ID: LCSD 570-494355/2-A
Matrix: Solid
Analysis Batch: 494365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 494355

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1.97	1.800		mg/Kg		91	77 - 128	12	16
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		50 - 150						

Lab Sample ID: 570-203269-30 MS
Matrix: Solid
Analysis Batch: 494365

Client Sample ID: EWVB6-S
Prep Type: Total/NA
Prep Batch: 494355

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		1.94	1.920		mg/Kg		99	48 - 114
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	109		50 - 150						

Lab Sample ID: 570-203269-30 MSD
Matrix: Solid
Analysis Batch: 494365

Client Sample ID: EWVB6-S
Prep Type: Total/NA
Prep Batch: 494355

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		1.95	1.833		mg/Kg		94	48 - 114	5	23
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		50 - 150								

Lab Sample ID: MB 570-495161/3-A
Matrix: Solid
Analysis Batch: 495218

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495161

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
TPH as Gasoline (C4-C13)	ND		0.25	mg/Kg		10/24/24 10:56	10/24/24 12:21	1	
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	100		50 - 150	10/24/24 10:56	10/24/24 12:21	1			

QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-495161/1-A
Matrix: Solid
Analysis Batch: 495218

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	2.00	1.963		mg/Kg		98	77 - 128
Surrogate		LCS %Recovery	LCS Qualifier				Limits
4-Bromofluorobenzene (Surr)		102					50 - 150

Lab Sample ID: LCSD 570-495161/2-A
Matrix: Solid
Analysis Batch: 495218

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 495161

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	2.00	1.958		mg/Kg		98	77 - 128	0	16
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		
4-Bromofluorobenzene (Surr)		106					50 - 150		

Lab Sample ID: 570-203269-28 MS
Matrix: Solid
Analysis Batch: 495218

Client Sample ID: IDW-S
Prep Type: Total/NA
Prep Batch: 495161

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		2.07	1.761		mg/Kg	✱	82	48 - 114
Surrogate		MS %Recovery	MS Qualifier						Limits
4-Bromofluorobenzene (Surr)		99							50 - 150

Lab Sample ID: 570-203269-28 MSD
Matrix: Solid
Analysis Batch: 495218

Client Sample ID: IDW-S
Prep Type: Total/NA
Prep Batch: 495161

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		2.05	1.569		mg/Kg	✱	74	48 - 114	12	23
Surrogate		MSD %Recovery	MSD Qualifier						Limits		
4-Bromofluorobenzene (Surr)		106							50 - 150		

Lab Sample ID: MB 570-495650/3-A
Matrix: Solid
Analysis Batch: 495695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 495650

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Gasoline (C4-C13)	ND		0.25	mg/Kg		10/25/24 11:53	10/25/24 12:56	1
Surrogate		MB %Recovery	MB Qualifier			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		97				10/25/24 11:53	10/25/24 12:56	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-495650/1-A
Matrix: Solid
Analysis Batch: 495695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 495650

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	2.00	2.140		mg/Kg		107	77 - 128
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	102		50 - 150				

Lab Sample ID: LCSD 570-495650/2-A
Matrix: Solid
Analysis Batch: 495695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 495650

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	1.99	1.999		mg/Kg		100	77 - 128	7	16
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	105		50 - 150						

Lab Sample ID: 570-203269-10 MS
Matrix: Solid
Analysis Batch: 495695

Client Sample ID: UOSVB2-D
Prep Type: Total/NA
Prep Batch: 495650

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Gasoline (C4-C13)	ND		2.19	2.326		mg/Kg	✱	106	48 - 114
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		50 - 150						

Lab Sample ID: 570-203269-10 MSD
Matrix: Solid
Analysis Batch: 495695

Client Sample ID: UOSVB2-D
Prep Type: Total/NA
Prep Batch: 495650

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Gasoline (C4-C13)	ND		2.19	2.255		mg/Kg	✱	103	48 - 114	3	23
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		50 - 150								

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 570-493216/1-A
Matrix: Solid
Analysis Batch: 494453

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493216

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
4,4'-DDE	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
4,4'-DDT	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Aldrin	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
alpha-BHC	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
alpha-Chlordane	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 570-493216/1-A
Matrix: Solid
Analysis Batch: 494453

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493216

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Chlordane	ND		25	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
delta-BHC	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Dieldrin	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Endosulfan I	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Endosulfan II	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Endosulfan sulfate	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Endrin	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Endrin aldehyde	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Endrin ketone	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
gamma-Chlordane	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
gamma-BHC (Lindane)	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Heptachlor	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Heptachlor epoxide	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Methoxychlor	ND		5.0	ug/Kg		10/18/24 16:37	10/24/24 05:06	1
Toxaphene	ND		25	ug/Kg		10/18/24 16:37	10/24/24 05:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	81		38 - 148	10/18/24 16:37	10/24/24 05:06	1
DCB Decachlorobiphenyl (Surr)	84		37 - 151	10/18/24 16:37	10/24/24 05:06	1

Lab Sample ID: LCS 570-493216/10-A
Matrix: Solid
Analysis Batch: 494453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	25.0	19.91		ug/Kg		80	54 - 154
4,4'-DDE	25.0	19.35		ug/Kg		77	51 - 149
4,4'-DDT	25.0	20.42		ug/Kg		82	39 - 152
Aldrin	25.0	18.91		ug/Kg		76	52 - 138
alpha-BHC	25.0	18.73		ug/Kg		75	51 - 140
alpha-Chlordane	25.0	18.69		ug/Kg		75	53 - 141
beta-BHC	25.0	18.73		ug/Kg		75	53 - 141
delta-BHC	25.0	16.23		ug/Kg		65	20 - 132
Dieldrin	25.0	19.12		ug/Kg		76	52 - 144
Endosulfan I	25.0	18.43		ug/Kg		74	49 - 139
Endosulfan II	25.0	18.93		ug/Kg		76	51 - 150
Endosulfan sulfate	25.0	18.76		ug/Kg		75	45 - 139
Endrin	25.0	18.97		ug/Kg		76	53 - 151
Endrin aldehyde	25.0	19.08		ug/Kg		76	31 - 146
Endrin ketone	25.0	18.84		ug/Kg		75	51 - 150
gamma-Chlordane	25.0	18.55		ug/Kg		74	46 - 156
gamma-BHC (Lindane)	25.0	19.07		ug/Kg		76	53 - 141
Heptachlor	25.0	18.27		ug/Kg		73	52 - 144
Heptachlor epoxide	25.0	18.28		ug/Kg		73	54 - 141
Methoxychlor	25.0	18.96		ug/Kg		76	47 - 148

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-493216/10-A
Matrix: Solid
Analysis Batch: 494453

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493216

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene (Surr)	77		38 - 148
DCB Decachlorobiphenyl (Surr)	81		37 - 151

Lab Sample ID: LCSD 570-493216/11-A
Matrix: Solid
Analysis Batch: 494453

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493216

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
4,4'-DDD	25.0	19.72		ug/Kg		79	54 - 154	1	30	
4,4'-DDE	25.0	19.18		ug/Kg		77	51 - 149	1	28	
4,4'-DDT	25.0	20.23		ug/Kg		81	39 - 152	1	31	
Aldrin	25.0	18.69		ug/Kg		75	52 - 138	1	30	
alpha-BHC	25.0	18.71		ug/Kg		75	51 - 140	0	29	
alpha-Chlordane	25.0	18.55		ug/Kg		74	53 - 141	1	28	
beta-BHC	25.0	18.65		ug/Kg		75	53 - 141	0	29	
delta-BHC	25.0	16.21		ug/Kg		65	20 - 132	0	40	
Dieldrin	25.0	19.03		ug/Kg		76	52 - 144	0	28	
Endosulfan I	25.0	18.29		ug/Kg		73	49 - 139	1	28	
Endosulfan II	25.0	18.81		ug/Kg		75	51 - 150	1	29	
Endosulfan sulfate	25.0	18.61		ug/Kg		74	45 - 139	1	30	
Endrin	25.0	18.84		ug/Kg		75	53 - 151	1	29	
Endrin aldehyde	25.0	18.87		ug/Kg		75	31 - 146	1	40	
Endrin ketone	25.0	18.64		ug/Kg		75	51 - 150	1	30	
gamma-Chlordane	25.0	18.46		ug/Kg		74	46 - 156	0	39	
gamma-BHC (Lindane)	25.0	19.06		ug/Kg		76	53 - 141	0	29	
Heptachlor	25.0	18.19		ug/Kg		73	52 - 144	0	29	
Heptachlor epoxide	25.0	18.10		ug/Kg		72	54 - 141	1	29	
Methoxychlor	25.0	18.90		ug/Kg		76	47 - 148	0	29	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene (Surr)	80		38 - 148
DCB Decachlorobiphenyl (Surr)	83		37 - 151

Lab Sample ID: 570-203269-18 MS
Matrix: Solid
Analysis Batch: 494951

Client Sample ID: EWVB5-S
Prep Type: Total/NA
Prep Batch: 493216

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
4,4'-DDD	ND		25.5	17.81		ug/Kg	✱	70	27 - 144	
4,4'-DDE	ND		25.5	19.79		ug/Kg	✱	66	28 - 141	
4,4'-DDT	ND		25.5	19.17		ug/Kg	✱	75	10 - 154	
Aldrin	ND		25.5	16.75		ug/Kg	✱	66	26 - 125	
alpha-BHC	ND		25.5	16.48		ug/Kg	✱	65	24 - 125	
alpha-Chlordane	ND		25.5	16.65		ug/Kg	✱	65	17 - 144	
beta-BHC	ND		25.5	16.21		ug/Kg	✱	64	28 - 125	
delta-BHC	ND		25.5	14.79		ug/Kg	✱	58	10 - 125	
Dieldrin	ND		25.5	17.08		ug/Kg	✱	67	19 - 145	
Endosulfan I	ND		25.5	16.32		ug/Kg	✱	64	25 - 125	

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 570-493619/1-A
Matrix: Water
Analysis Batch: 494951

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493619

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
4,4'-DDD	ND		0.040	ug/L		10/21/24 08:15	10/25/24 01:21	1
4,4'-DDE	ND		0.020	ug/L		10/21/24 08:15	10/25/24 01:21	1
4,4'-DDT	ND		0.020	ug/L		10/21/24 08:15	10/25/24 01:21	1
Aldrin	ND		0.020	ug/L		10/21/24 08:15	10/25/24 01:21	1
alpha-BHC	ND		0.0080	ug/L		10/21/24 08:15	10/25/24 01:21	1
alpha-Chlordane	ND		0.020	ug/L		10/21/24 08:15	10/25/24 01:21	1
beta-BHC	ND		0.030	ug/L		10/21/24 08:15	10/25/24 01:21	1
Chlordane	ND		0.20	ug/L		10/21/24 08:15	10/25/24 01:21	1
delta-BHC	ND		0.020	ug/L		10/21/24 08:15	10/25/24 01:21	1
Dieldrin	ND		0.020	ug/L		10/21/24 08:15	10/25/24 01:21	1
Endosulfan I	ND		0.0080	ug/L		10/21/24 08:15	10/25/24 01:21	1
Endosulfan II	ND		0.040	ug/L		10/21/24 08:15	10/25/24 01:21	1
Endosulfan sulfate	ND		0.020	ug/L		10/21/24 08:15	10/25/24 01:21	1
Endrin	ND		0.020	ug/L		10/21/24 08:15	10/25/24 01:21	1
Endrin aldehyde	ND		0.20	ug/L		10/21/24 08:15	10/25/24 01:21	1
Endrin ketone	ND		0.020	ug/L		10/21/24 08:15	10/25/24 01:21	1
gamma-Chlordane	ND		0.060	ug/L		10/21/24 08:15	10/25/24 01:21	1
gamma-BHC (Lindane)	ND		0.0080	ug/L		10/21/24 08:15	10/25/24 01:21	1
Heptachlor	ND		0.0080	ug/L		10/21/24 08:15	10/25/24 01:21	1
Heptachlor epoxide	ND		0.040	ug/L		10/21/24 08:15	10/25/24 01:21	1
Methoxychlor	ND		0.040	ug/L		10/21/24 08:15	10/25/24 01:21	1
Toxaphene	ND		0.40	ug/L		10/21/24 08:15	10/25/24 01:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene (Surr)	92		49 - 132	10/21/24 08:15	10/25/24 01:21	1
DCB Decachlorobiphenyl (Surr)	92		10 - 142	10/21/24 08:15	10/25/24 01:21	1

Lab Sample ID: LCS 570-493619/2-A
Matrix: Water
Analysis Batch: 494951

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493619

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
4,4'-DDD	0.200	0.1602		ug/L		80	27 - 162
4,4'-DDE	0.200	0.1534		ug/L		77	23 - 160
4,4'-DDT	0.200	0.1591		ug/L		80	11 - 173
Aldrin	0.200	0.1482		ug/L		74	31 - 135
alpha-BHC	0.200	0.1489		ug/L		74	28 - 147
alpha-Chlordane	0.200	0.1475		ug/L		74	26 - 151
beta-BHC	0.200	0.1513		ug/L		76	26 - 151
delta-BHC	0.200	0.1050		ug/L		53	10 - 140
Dieldrin	0.200	0.1577		ug/L		79	24 - 157
Endosulfan I	0.200	0.1467		ug/L		73	26 - 150
Endosulfan II	0.200	0.1524		ug/L		76	27 - 160
Endosulfan sulfate	0.200	0.1490		ug/L		74	25 - 146
Endrin	0.200	0.1629		ug/L		81	24 - 170
Endrin aldehyde	0.200	0.1547	J	ug/L		77	23 - 153
Endrin ketone	0.200	0.1546		ug/L		77	32 - 154
gamma-Chlordane	0.200	0.1487		ug/L		74	22 - 159

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 570-493619/2-A
Matrix: Water
Analysis Batch: 494951

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-BHC (Lindane)	0.200	0.1546		ug/L		77	28 - 151
Heptachlor	0.200	0.1488		ug/L		74	26 - 145
Heptachlor epoxide	0.200	0.1462		ug/L		73	26 - 157
Methoxychlor	0.200	0.1544		ug/L		77	31 - 155

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	84		49 - 132
DCB Decachlorobiphenyl (Surr)	87		10 - 142

Lab Sample ID: LCSD 570-493619/3-A
Matrix: Water
Analysis Batch: 494951

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493619

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.200	0.1768		ug/L		88	27 - 162	10	30
4,4'-DDE	0.200	0.1698		ug/L		85	23 - 160	10	28
4,4'-DDT	0.200	0.1768		ug/L		88	11 - 173	11	40
Aldrin	0.200	0.1647		ug/L		82	31 - 135	11	26
alpha-BHC	0.200	0.1656		ug/L		83	28 - 147	11	26
alpha-Chlordane	0.200	0.1663		ug/L		83	26 - 151	12	29
beta-BHC	0.200	0.1748		ug/L		87	26 - 151	14	26
delta-BHC	0.200	0.1181		ug/L		59	10 - 140	12	36
Dieldrin	0.200	0.1743		ug/L		87	24 - 157	10	27
Endosulfan I	0.200	0.1649		ug/L		82	26 - 150	12	25
Endosulfan II	0.200	0.1741		ug/L		87	27 - 160	13	27
Endosulfan sulfate	0.200	0.1660		ug/L		83	25 - 146	11	27
Endrin	0.200	0.1724		ug/L		86	24 - 170	6	40
Endrin aldehyde	0.200	ND		ug/L		74	23 - 153	5	25
Endrin ketone	0.200	0.1743		ug/L		87	32 - 154	12	27
gamma-Chlordane	0.200	0.2017		ug/L		101	22 - 159	30	30
gamma-BHC (Lindane)	0.200	0.1688		ug/L		84	28 - 151	9	26
Heptachlor	0.200	0.1699		ug/L		85	26 - 145	13	26
Heptachlor epoxide	0.200	0.1644		ug/L		82	26 - 157	12	30
Methoxychlor	0.200	0.1760		ug/L		88	31 - 155	13	26

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	93		49 - 132
DCB Decachlorobiphenyl (Surr)	96		10 - 142

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

Lab Sample ID: MB 570-493094/1-A
Matrix: Solid
Analysis Batch: 495425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493094

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		5.0	mg/Kg		10/18/24 11:34	10/25/24 01:14	1
TPH as Motor Oil Range	ND		5.0	mg/Kg		10/18/24 11:34	10/25/24 01:14	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-493094/1-A
Matrix: Solid
Analysis Batch: 495425

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493094

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>n</i> -Octacosane (Surr)	99		50 - 150	10/18/24 11:34	10/25/24 01:14	1

Lab Sample ID: LCS 570-493094/2-A
Matrix: Solid
Analysis Batch: 495425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493094

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits	%Rec
		Result	Qualifier					
C10-C28	400	415.8		mg/Kg		104	76 - 126	
Surrogate	LCS LCS		Limits					
%Recovery	Qualifier							
<i>n</i> -Octacosane (Surr)	96		50 - 150					

Lab Sample ID: LCS 570-493094/6-A
Matrix: Solid
Analysis Batch: 495425

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493094

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits	%Rec
		Result	Qualifier					
TPH as Motor Oil (C17-C44)	400	406.8		mg/Kg		102	71 - 139	
Surrogate	LCS LCS		Limits					
%Recovery	Qualifier							
<i>n</i> -Octacosane (Surr)	101		50 - 150					

Lab Sample ID: LCSD 570-493094/3-A
Matrix: Solid
Analysis Batch: 495425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493094

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	Limits	RPD	Limit
		Result	Qualifier						
C10-C28	400	419.9		mg/Kg		105	76 - 126	1	20
Surrogate	LCSD LCSD		Limits						
%Recovery	Qualifier								
<i>n</i> -Octacosane (Surr)	100		50 - 150						

Lab Sample ID: LCSD 570-493094/7-A
Matrix: Solid
Analysis Batch: 495425

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493094

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	Limits	RPD	Limit
		Result	Qualifier						
TPH as Motor Oil (C17-C44)	400	395.1		mg/Kg		99	71 - 139	3	20
Surrogate	LCSD LCSD		Limits						
%Recovery	Qualifier								
<i>n</i> -Octacosane (Surr)	99		50 - 150						

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: 570-203269-5 MS

Matrix: Solid

Analysis Batch: 495425

Client Sample ID: UOSVB1-S

Prep Type: Total/NA

Prep Batch: 493094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	ND		459	474.4		mg/Kg	⊛	103	37 - 175
Surrogate	%Recovery	MS Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	95		50 - 150						

Lab Sample ID: 570-203269-5 MS

Matrix: Solid

Analysis Batch: 495425

Client Sample ID: UOSVB1-S

Prep Type: Total/NA

Prep Batch: 493094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Motor Oil (C17-C44)	ND		460	459.0		mg/Kg	⊛	100	71 - 174
Surrogate	%Recovery	MS Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	99		50 - 150						

Lab Sample ID: 570-203269-5 MSD

Matrix: Solid

Analysis Batch: 495425

Client Sample ID: UOSVB1-S

Prep Type: Total/NA

Prep Batch: 493094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	ND		462	483.3		mg/Kg	⊛	105	37 - 175	2	20
Surrogate	%Recovery	MSD Qualifier	Limits								
<i>n-Octacosane (Surr)</i>	95		50 - 150								

Lab Sample ID: 570-203269-5 MSD

Matrix: Solid

Analysis Batch: 495425

Client Sample ID: UOSVB1-S

Prep Type: Total/NA

Prep Batch: 493094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Motor Oil (C17-C44)	ND		458	452.7		mg/Kg	⊛	99	71 - 174	1	20
Surrogate	%Recovery	MSD Qualifier	Limits								
<i>n-Octacosane (Surr)</i>	98		50 - 150								

Lab Sample ID: MB 570-493126/1-A

Matrix: Water

Analysis Batch: 496223

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 493126

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		0.10	mg/L		10/18/24 13:00	10/28/24 00:45	1
TPH as Motor Oil Range	ND		0.10	mg/L		10/18/24 13:00	10/28/24 00:45	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	74		50 - 150			10/18/24 13:00	10/28/24 00:45	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-493126/2-A
Matrix: Water
Analysis Batch: 493475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493126

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	4.00	4.052		mg/L		101	68 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
<i>n-Octacosane (Surr)</i>	95		50 - 150				

Lab Sample ID: LCSD 570-493126/3-A
Matrix: Water
Analysis Batch: 493475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493126

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	4.00	3.834		mg/L		96	68 - 120	6	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	92		50 - 150						

Lab Sample ID: MB 570-493397/1-A
Matrix: Solid
Analysis Batch: 493841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493397

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		5.0	mg/Kg		10/19/24 11:25	10/21/24 15:17	1
TPH as Motor Oil Range	ND		5.0	mg/Kg		10/19/24 11:25	10/21/24 15:17	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	100		50 - 150			10/19/24 11:25	10/21/24 15:17	1

Lab Sample ID: LCS 570-493397/6-A
Matrix: Solid
Analysis Batch: 493841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493397

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Motor Oil (C17-C44)	400	451.1		mg/Kg		113	71 - 139
Surrogate	%Recovery	LCS Qualifier	Limits				
<i>n-Octacosane (Surr)</i>	105		50 - 150				

Lab Sample ID: LCSD 570-493397/7-A
Matrix: Solid
Analysis Batch: 493841

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493397

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Motor Oil (C17-C44)	400	442.1		mg/Kg		111	71 - 139	2	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	100		50 - 150						

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: MB 570-494834/1-A
Matrix: Solid
Analysis Batch: 494909

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 494834

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
TPH as Diesel Range	ND		5.0	mg/Kg		10/23/24 16:02	10/23/24 19:35	1
TPH as Motor Oil Range	ND		5.0	mg/Kg		10/23/24 16:02	10/23/24 19:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n-Octacosane (Surr)</i>	88		50 - 150			10/23/24 16:02	10/23/24 19:35	1

Lab Sample ID: LCS 570-494834/11-A
Matrix: Solid
Analysis Batch: 494909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
TPH as Motor Oil (C17-C44)	400	490.0		mg/Kg		123	71 - 139
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
<i>n-Octacosane (Surr)</i>	92		50 - 150				

Lab Sample ID: LCS 570-494834/2-A
Matrix: Solid
Analysis Batch: 494909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	400	444.0		mg/Kg		111	76 - 126
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
<i>n-Octacosane (Surr)</i>	90		50 - 150				

Lab Sample ID: LCSD 570-494834/12-A
Matrix: Solid
Analysis Batch: 494909

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 494834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
TPH as Motor Oil (C17-C44)	400	489.0		mg/Kg		122	71 - 139	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	96		50 - 150						

Lab Sample ID: LCSD 570-494834/3-A
Matrix: Solid
Analysis Batch: 494909

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 494834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	400	438.6		mg/Kg		110	76 - 126	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	89		50 - 150						

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: 570-203269-10 MS

Matrix: Solid
Analysis Batch: 494909

Client Sample ID: UOSVB2-D

Prep Type: Total/NA
Prep Batch: 494834

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
C10-C28	ND		445	483.1		mg/Kg	⊛	109		37 - 175
Surrogate	%Recovery	MS Qualifier	Limits							
<i>n-Octacosane (Surr)</i>	89		50 - 150							

Lab Sample ID: 570-203269-10 MS

Matrix: Solid
Analysis Batch: 494909

Client Sample ID: UOSVB2-D

Prep Type: Total/NA
Prep Batch: 494834

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
TPH as Motor Oil (C17-C44)	ND		450	527.8		mg/Kg	⊛	117		71 - 174
Surrogate	%Recovery	MS Qualifier	Limits							
<i>n-Octacosane (Surr)</i>	92		50 - 150							

Lab Sample ID: 570-203269-10 MSD

Matrix: Solid
Analysis Batch: 494909

Client Sample ID: UOSVB2-D

Prep Type: Total/NA
Prep Batch: 494834

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
C10-C28	ND		445	471.9		mg/Kg	⊛	106		37 - 175	2	20
Surrogate	%Recovery	MSD Qualifier	Limits									
<i>n-Octacosane (Surr)</i>	86		50 - 150									

Lab Sample ID: 570-203269-10 MSD

Matrix: Solid
Analysis Batch: 494909

Client Sample ID: UOSVB2-D

Prep Type: Total/NA
Prep Batch: 494834

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
TPH as Motor Oil (C17-C44)	ND		448	531.1		mg/Kg	⊛	119		71 - 174	1	20
Surrogate	%Recovery	MSD Qualifier	Limits									
<i>n-Octacosane (Surr)</i>	89		50 - 150									

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-492920/1-A ^5

Matrix: Solid
Analysis Batch: 493180

Client Sample ID: Method Blank

Prep Type: Total/NA
Prep Batch: 492920

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Arsenic	ND		3.05	mg/Kg		10/18/24 07:08	10/18/24 14:32	5
Barium	ND		3.05	mg/Kg		10/18/24 07:08	10/18/24 14:32	5
Cadmium	ND		0.508	mg/Kg		10/18/24 07:08	10/18/24 14:32	5
Chromium	ND		1.02	mg/Kg		10/18/24 07:08	10/18/24 14:32	5
Copper	ND		2.03	mg/Kg		10/18/24 07:08	10/18/24 14:32	5
Lead	ND		2.03	mg/Kg		10/18/24 07:08	10/18/24 14:32	5

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-492920/1-A ^5
Matrix: Solid
Analysis Batch: 493180

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 492920

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		2.03	mg/Kg		10/18/24 07:08	10/18/24 14:32	5
Selenium	ND		3.05	mg/Kg		10/18/24 07:08	10/18/24 14:32	5
Silver	ND		1.52	mg/Kg		10/18/24 07:08	10/18/24 14:32	5
Zinc	ND		5.08	mg/Kg		10/18/24 07:08	10/18/24 14:32	5

Lab Sample ID: LCS 570-492920/2-A ^5
Matrix: Solid
Analysis Batch: 493180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 492920

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.3	46.07		mg/Kg		92	80 - 120
Barium	50.3	47.27		mg/Kg		94	80 - 120
Cadmium	50.3	47.55		mg/Kg		95	80 - 120
Chromium	50.3	47.78		mg/Kg		95	80 - 120
Copper	50.3	47.12		mg/Kg		94	80 - 120
Lead	50.3	47.69		mg/Kg		95	80 - 120
Nickel	50.3	48.05		mg/Kg		96	80 - 120
Selenium	50.3	45.16		mg/Kg		90	80 - 120
Silver	25.1	23.66		mg/Kg		94	80 - 120
Zinc	50.3	47.22		mg/Kg		94	80 - 120

Lab Sample ID: LCSD 570-492920/3-A ^5
Matrix: Solid
Analysis Batch: 493180

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 492920

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	50.0	46.96		mg/Kg		94	80 - 120	2	20
Barium	50.0	48.36		mg/Kg		97	80 - 120	2	20
Cadmium	50.0	48.39		mg/Kg		97	80 - 120	2	20
Chromium	50.0	48.79		mg/Kg		98	80 - 120	2	20
Copper	50.0	48.21		mg/Kg		96	80 - 120	2	20
Lead	50.0	48.25		mg/Kg		97	80 - 120	1	20
Nickel	50.0	48.94		mg/Kg		98	80 - 120	2	20
Selenium	50.0	45.31		mg/Kg		91	80 - 120	0	20
Silver	25.0	24.13		mg/Kg		97	80 - 120	2	20
Zinc	50.0	48.14		mg/Kg		96	80 - 120	2	20

Lab Sample ID: 570-203269-15 MS
Matrix: Solid
Analysis Batch: 493180

Client Sample ID: UOSVB4-I
Prep Type: Total/NA
Prep Batch: 492920

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		67.7	67.44		mg/Kg	⊛	95	75 - 125
Barium	134	F1	67.7	182.9	F1	mg/Kg	⊛	72	75 - 125
Cadmium	ND		67.7	62.19		mg/Kg	⊛	92	75 - 125
Chromium	57.2		67.7	112.1		mg/Kg	⊛	81	75 - 125
Copper	65.4		67.7	128.3		mg/Kg	⊛	93	75 - 125
Lead	ND		67.7	64.78		mg/Kg	⊛	92	75 - 125
Nickel	25.5		67.7	86.37		mg/Kg	⊛	90	75 - 125

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-203269-15 MS
Matrix: Solid
Analysis Batch: 493180

Client Sample ID: UOSVB4-I
Prep Type: Total/NA
Prep Batch: 492920

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	ND		67.7	62.27		mg/Kg	⊛	92	75 - 125
Silver	ND		33.9	32.80		mg/Kg	⊛	95	75 - 125
Zinc	40.0		67.7	101.4		mg/Kg	⊛	91	75 - 125

Lab Sample ID: 570-203269-15 MSD
Matrix: Solid
Analysis Batch: 493180

Client Sample ID: UOSVB4-I
Prep Type: Total/NA
Prep Batch: 492920

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Arsenic	ND		68.1	65.75		mg/Kg	⊛	92	75 - 125	3	20
Barium	134	F1	68.1	198.7		mg/Kg	⊛	95	75 - 125	8	20
Cadmium	ND		68.1	62.84		mg/Kg	⊛	92	75 - 125	1	20
Chromium	57.2		68.1	126.0		mg/Kg	⊛	101	75 - 125	12	20
Copper	65.4		68.1	138.4		mg/Kg	⊛	107	75 - 125	8	20
Lead	ND		68.1	65.48		mg/Kg	⊛	93	75 - 125	1	20
Nickel	25.5		68.1	90.17		mg/Kg	⊛	95	75 - 125	4	20
Selenium	ND		68.1	60.30		mg/Kg	⊛	89	75 - 125	3	20
Silver	ND		34.0	33.01		mg/Kg	⊛	96	75 - 125	1	20
Zinc	40.0		68.1	104.4		mg/Kg	⊛	95	75 - 125	3	20

Lab Sample ID: MB 570-493591/1-A ^5V
Matrix: Solid
Analysis Batch: 493897

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493591

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.99	mg/Kg		10/21/24 07:12	10/21/24 14:59	5
Barium	ND		2.99	mg/Kg		10/21/24 07:12	10/21/24 14:59	5
Cadmium	ND		0.498	mg/Kg		10/21/24 07:12	10/21/24 14:59	5
Chromium	ND		0.995	mg/Kg		10/21/24 07:12	10/21/24 14:59	5
Copper	ND		1.99	mg/Kg		10/21/24 07:12	10/21/24 14:59	5
Lead	ND		1.99	mg/Kg		10/21/24 07:12	10/21/24 14:59	5
Nickel	ND		1.99	mg/Kg		10/21/24 07:12	10/21/24 14:59	5
Selenium	ND		2.99	mg/Kg		10/21/24 07:12	10/21/24 14:59	5
Silver	ND		1.49	mg/Kg		10/21/24 07:12	10/21/24 14:59	5
Zinc	ND		4.98	mg/Kg		10/21/24 07:12	10/21/24 14:59	5

Lab Sample ID: LCS 570-493591/2-A ^5
Matrix: Solid
Analysis Batch: 493897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493591

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	52.93		mg/Kg		106	80 - 120
Barium	50.0	54.23		mg/Kg		108	80 - 120
Cadmium	50.0	53.25		mg/Kg		107	80 - 120
Chromium	50.0	54.60		mg/Kg		109	80 - 120
Copper	50.0	53.69		mg/Kg		107	80 - 120
Lead	50.0	54.33		mg/Kg		109	80 - 120
Nickel	50.0	54.78		mg/Kg		110	80 - 120
Selenium	50.0	51.10		mg/Kg		102	80 - 120

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-493591/2-A ^5
Matrix: Solid
Analysis Batch: 493897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493591

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	25.0	27.24		mg/Kg		109	80 - 120
Zinc	50.0	54.08		mg/Kg		108	80 - 120

Lab Sample ID: LCSD 570-493591/3-A ^5
Matrix: Solid
Analysis Batch: 493897

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493591

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	50.0	51.60		mg/Kg		103	80 - 120	3	20
Barium	50.0	51.93		mg/Kg		104	80 - 120	4	20
Cadmium	50.0	50.86		mg/Kg		102	80 - 120	5	20
Chromium	50.0	52.59		mg/Kg		105	80 - 120	4	20
Copper	50.0	51.61		mg/Kg		103	80 - 120	4	20
Lead	50.0	51.78		mg/Kg		104	80 - 120	5	20
Nickel	50.0	52.40		mg/Kg		105	80 - 120	4	20
Selenium	50.0	49.78		mg/Kg		100	80 - 120	3	20
Silver	25.0	26.06		mg/Kg		104	80 - 120	4	20
Zinc	50.0	51.43		mg/Kg		103	80 - 120	5	20

Lab Sample ID: LB 570-492880/1-B
Matrix: Solid
Analysis Batch: 493897

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 493541

Analyte	LB Result	LB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.00	mg/L		10/20/24 22:15	10/21/24 13:39	1
Barium	ND		0.100	mg/L		10/20/24 22:15	10/21/24 13:39	1
Cadmium	ND		0.100	mg/L		10/20/24 22:15	10/21/24 13:39	1
Chromium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 13:39	1
Lead	ND		0.500	mg/L		10/20/24 22:15	10/21/24 13:39	1
Selenium	ND		0.500	mg/L		10/20/24 22:15	10/21/24 13:39	1
Silver	ND		0.100	mg/L		10/20/24 22:15	10/21/24 13:39	1

Lab Sample ID: LCS 570-492880/2-B
Matrix: Solid
Analysis Batch: 493897

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 493541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.00	2.065		mg/L		103	80 - 120
Barium	2.00	2.179		mg/L		109	80 - 120
Cadmium	2.00	2.182		mg/L		109	80 - 120
Chromium	2.00	2.185		mg/L		109	80 - 120
Lead	2.00	2.192		mg/L		110	80 - 120
Selenium	2.00	2.032		mg/L		102	80 - 120
Silver	1.00	1.068		mg/L		107	80 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-492880/3-B
Matrix: Solid
Analysis Batch: 493897

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 493541

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Arsenic	2.00	2.239		mg/L		112	80 - 120	8	20	
Barium	2.00	2.185		mg/L		109	80 - 120	0	20	
Cadmium	2.00	2.190		mg/L		110	80 - 120	0	20	
Chromium	2.00	2.211		mg/L		111	80 - 120	1	20	
Lead	2.00	2.148		mg/L		107	80 - 120	2	20	
Selenium	2.00	1.962		mg/L		98	80 - 120	4	20	
Silver	1.00	1.072		mg/L		107	80 - 120	0	20	

Lab Sample ID: 570-203269-10 MS
Matrix: Solid
Analysis Batch: 493897

Client Sample ID: UOSVB2-D
Prep Type: TCLP
Prep Batch: 493541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Arsenic	ND		2.00	2.176		mg/L		109	80 - 140	
Barium	1.23		2.00	3.400		mg/L		109	87 - 123	
Cadmium	ND		2.00	2.202		mg/L		110	82 - 124	
Chromium	ND		2.00	2.234		mg/L		112	86 - 122	
Lead	ND		2.00	2.207		mg/L		110	84 - 120	
Selenium	ND		2.00	2.008		mg/L		100	79 - 127	
Silver	ND		1.00	1.081		mg/L		108	86 - 128	

Lab Sample ID: 570-203269-10 MSD
Matrix: Solid
Analysis Batch: 493897

Client Sample ID: UOSVB2-D
Prep Type: TCLP
Prep Batch: 493541

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Arsenic	ND		2.00	2.264		mg/L		113	80 - 140	4
Barium	1.23		2.00	3.507		mg/L		114	87 - 123	3
Cadmium	ND		2.00	2.225		mg/L		111	82 - 124	1
Chromium	ND		2.00	2.249		mg/L		112	86 - 122	1
Lead	ND		2.00	2.223		mg/L		111	84 - 120	1
Selenium	ND		2.00	1.984		mg/L		99	79 - 127	1
Silver	ND		1.00	1.101		mg/L		110	86 - 128	2

Lab Sample ID: LB 570-493552/1-B
Matrix: Water
Analysis Batch: 493897

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 493617

Analyte	LB LB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Arsenic	ND		1.00	mg/L		10/21/24 07:54	10/21/24 12:15	1
Barium	ND		0.100	mg/L		10/21/24 07:54	10/21/24 12:15	1
Cadmium	ND		0.100	mg/L		10/21/24 07:54	10/21/24 12:15	1
Chromium	ND		0.500	mg/L		10/21/24 07:54	10/21/24 12:15	1
Lead	ND		0.500	mg/L		10/21/24 07:54	10/21/24 12:15	1
Selenium	ND		0.500	mg/L		10/21/24 07:54	10/21/24 12:15	1
Silver	ND		0.100	mg/L		10/21/24 07:54	10/21/24 12:15	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-493552/2-B
Matrix: Water
Analysis Batch: 493897

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 493617

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.00	2.220		mg/L		111	80 - 120
Barium	2.00	2.272		mg/L		114	80 - 120
Cadmium	2.00	2.211		mg/L		111	80 - 120
Chromium	2.00	2.279		mg/L		114	80 - 120
Lead	2.00	2.263		mg/L		113	80 - 120
Selenium	2.00	1.919		mg/L		96	80 - 120
Silver	1.00	1.094		mg/L		109	80 - 120

Lab Sample ID: LCSD 570-493552/3-B
Matrix: Water
Analysis Batch: 493897

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 493617

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	2.00	2.284		mg/L		114	80 - 120	3	20
Barium	2.00	2.413	*+	mg/L		121	80 - 120	6	20
Cadmium	2.00	2.357		mg/L		118	80 - 120	6	20
Chromium	2.00	2.421	*+	mg/L		121	80 - 120	6	20
Lead	2.00	2.405		mg/L		120	80 - 120	6	20
Selenium	2.00	2.078		mg/L		104	80 - 120	8	20
Silver	1.00	1.163		mg/L		116	80 - 120	6	20

Lab Sample ID: 570-203269-29 MS
Matrix: Water
Analysis Batch: 493897

Client Sample ID: IDW-W
Prep Type: TCLP
Prep Batch: 493617

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND	F2	2.00	2.448		mg/L		122	80 - 140
Barium	ND	*+ F2 F1	2.00	2.547	F1	mg/L		126	87 - 123
Cadmium	ND	F2	2.00	2.455		mg/L		123	82 - 124
Chromium	ND	*+ F2 F1	2.00	2.534	F1	mg/L		127	86 - 122
Lead	ND	F2 F1	2.00	2.512	F1	mg/L		126	84 - 120
Selenium	ND	F2	2.00	2.124		mg/L		106	79 - 127
Silver	ND	F2	1.00	1.203		mg/L		120	86 - 128

Lab Sample ID: 570-203269-29 MSD
Matrix: Water
Analysis Batch: 493897

Client Sample ID: IDW-W
Prep Type: TCLP
Prep Batch: 493617

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND	F2	2.00	2.142	F2	mg/L		107	80 - 140	13	11
Barium	ND	*+ F2 F1	2.00	2.281	F2	mg/L		113	87 - 123	11	6
Cadmium	ND	F2	2.00	2.181	F2	mg/L		109	82 - 124	12	7
Chromium	ND	*+ F2 F1	2.00	2.272	F2	mg/L		114	86 - 122	11	8
Lead	ND	F2 F1	2.00	2.226	F2	mg/L		111	84 - 120	12	7
Selenium	ND	F2	2.00	1.886	F2	mg/L		94	79 - 127	12	9
Silver	ND	F2	1.00	1.078	F2	mg/L		108	86 - 128	11	7

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LB 570-494172/1-B
Matrix: Solid
Analysis Batch: 494758

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 494547

Analyte	LB LB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Arsenic	ND		1.00	mg/L		10/23/24 07:39	10/23/24 12:22	1
Barium	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:22	1
Cadmium	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:22	1
Chromium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:22	1
Lead	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:22	1
Selenium	ND		0.500	mg/L		10/23/24 07:39	10/23/24 12:22	1
Silver	ND		0.100	mg/L		10/23/24 07:39	10/23/24 12:22	1

Lab Sample ID: LCS 570-494172/2-B
Matrix: Solid
Analysis Batch: 494758

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 494547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	2.00	2.020		mg/L		101	80 - 120
Cadmium	2.00	1.995		mg/L		100	80 - 120
Chromium	2.00	2.012		mg/L		101	80 - 120
Lead	2.00	1.986		mg/L		99	80 - 120
Selenium	2.00	1.752		mg/L		88	80 - 120
Silver	1.00	0.9740		mg/L		97	80 - 120

Lab Sample ID: LCSD 570-494172/3-B
Matrix: Solid
Analysis Batch: 494758

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 494547

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Arsenic	2.00	1.991		mg/L		100	80 - 120	1	20
Barium	2.00	2.053		mg/L		103	80 - 120	2	20
Cadmium	2.00	2.049		mg/L		102	80 - 120	3	20
Chromium	2.00	2.049		mg/L		102	80 - 120	2	20
Lead	2.00	2.013		mg/L		101	80 - 120	1	20
Selenium	2.00	1.842		mg/L		92	80 - 120	5	20
Silver	1.00	1.009		mg/L		101	80 - 120	4	20

Lab Sample ID: 570-203269-1 MS
Matrix: Solid
Analysis Batch: 494758

Client Sample ID: IGGESV-0
Prep Type: TCLP
Prep Batch: 494547

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	2.89	F1	2.00	4.594	F1	mg/L		85	87 - 123
Cadmium	ND		2.00	1.982		mg/L		99	82 - 124
Chromium	ND		2.00	2.039		mg/L		102	86 - 122
Lead	ND		2.00	1.958		mg/L		98	84 - 120
Selenium	ND		2.00	1.817		mg/L		91	79 - 127
Silver	ND		1.00	0.9880		mg/L		99	86 - 128

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-203269-1 MSD
Matrix: Solid
Analysis Batch: 494758

Client Sample ID: IGGESV-0
Prep Type: TCLP
Prep Batch: 494547

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Arsenic	ND		2.00	1.961		mg/L		98	80 - 140	5	11
Barium	2.89	F1	2.00	4.675		mg/L		89	87 - 123	2	6
Cadmium	ND		2.00	1.962		mg/L		98	82 - 124	1	7
Chromium	ND		2.00	2.005		mg/L		100	86 - 122	2	8
Lead	ND		2.00	1.950		mg/L		98	84 - 120	0	7
Selenium	ND		2.00	1.822		mg/L		91	79 - 127	0	9
Silver	ND		1.00	0.9810		mg/L		98	86 - 128	1	7

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LB 570-493552/1-C
Matrix: Water
Analysis Batch: 494279

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 493642

Analyte	LB	LB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Mercury	ND		0.00250	mg/L		10/21/24 08:56	10/22/24 13:23	1

Lab Sample ID: LCS 570-493552/2-C
Matrix: Water
Analysis Batch: 494279

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 493642

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
Mercury	0.0400	0.04274		mg/L		107	80 - 120

Lab Sample ID: LCSD 570-493552/3-C
Matrix: Water
Analysis Batch: 494279

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 493642

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	
		Result	Qualifier				Limits	RPD	Limit
Mercury	0.0400	0.04317		mg/L		108	80 - 120	1	10

Lab Sample ID: 570-203269-29 MS
Matrix: Water
Analysis Batch: 494279

Client Sample ID: IDW-W
Prep Type: TCLP
Prep Batch: 493642

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				Limits
Mercury	ND		0.0400	0.04313		mg/L		108	80 - 120

Lab Sample ID: 570-203269-29 MSD
Matrix: Water
Analysis Batch: 494279

Client Sample ID: IDW-W
Prep Type: TCLP
Prep Batch: 493642

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit
Mercury	ND		0.0400	0.04253		mg/L		106	80 - 120	1	20

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 570-492880/1-C
Matrix: Solid
Analysis Batch: 494279

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 493643

Analyte	LB Result	LB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/21/24 08:57	10/22/24 13:48	1

Lab Sample ID: LCS 570-492880/2-C
Matrix: Solid
Analysis Batch: 494279

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 493643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0400	0.03994		mg/L		100	80 - 120

Lab Sample ID: LCSD 570-492880/3-C
Matrix: Solid
Analysis Batch: 494279

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 493643

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.0400	0.03975		mg/L		99	80 - 120	0	10

Lab Sample ID: LB 570-494172/1-C
Matrix: Solid
Analysis Batch: 494893

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 494592

Analyte	LB Result	LB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00250	mg/L		10/23/24 09:34	10/23/24 17:34	1

Lab Sample ID: LCS 570-494172/2-C
Matrix: Solid
Analysis Batch: 494893

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 494592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0400	0.04468		mg/L		112	80 - 120

Lab Sample ID: LCSD 570-494172/3-C
Matrix: Solid
Analysis Batch: 494893

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 494592

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.0400	0.04498		mg/L		112	80 - 120	1	10

Lab Sample ID: 570-203269-1 MS
Matrix: Solid
Analysis Batch: 494893

Client Sample ID: IGGESV-0
Prep Type: TCLP
Prep Batch: 494592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.0400	0.04438		mg/L		111	80 - 120

Lab Sample ID: 570-203269-1 MSD
Matrix: Solid
Analysis Batch: 494893

Client Sample ID: IGGESV-0
Prep Type: TCLP
Prep Batch: 494592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.0400	0.04522		mg/L		113	80 - 120	2	20

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QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-492974/1-A
Matrix: Solid
Analysis Batch: 493092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 492974

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817	mg/Kg		10/18/24 09:30	10/18/24 15:06	1

Lab Sample ID: LCS 570-492974/2-A
Matrix: Solid
Analysis Batch: 493092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 492974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.426	0.4505		mg/Kg		106	80 - 120

Lab Sample ID: LCSD 570-492974/3-A
Matrix: Solid
Analysis Batch: 493092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 492974

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.377	0.3941	*1	mg/Kg		104	80 - 120	13	10

Lab Sample ID: MB 570-493683/1-A
Matrix: Solid
Analysis Batch: 493788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 493683

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0786	mg/Kg		10/21/24 09:55	10/21/24 11:39	1

Lab Sample ID: LCS 570-493683/2-A
Matrix: Solid
Analysis Batch: 493788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 493683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.417	0.3817		mg/Kg		92	80 - 120

Lab Sample ID: LCSD 570-493683/3-A
Matrix: Solid
Analysis Batch: 493788

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 493683

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.377	0.4035		mg/Kg		107	80 - 120	6	10

Lab Sample ID: MB 570-494177/1-A
Matrix: Solid
Analysis Batch: 494147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 494177

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833	mg/Kg		10/22/24 10:27	10/22/24 13:15	1

Lab Sample ID: LCS 570-494177/2-A
Matrix: Solid
Analysis Batch: 494147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 494177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.392	0.3608		mg/Kg		92	80 - 120

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QC Sample Results

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: LCSD 570-494177/3-A
 Matrix: Solid
 Analysis Batch: 494147

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 494177

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.385	0.3687		mg/Kg		96	80 - 120	2	10

Method: 2540G - Percent Moisture

Lab Sample ID: MB 570-493678/1
 Matrix: Solid
 Analysis Batch: 493678

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	ND		0.100	%			10/21/24 09:44	1

Lab Sample ID: 570-203269-5 DU
 Matrix: Solid
 Analysis Batch: 493678

Client Sample ID: UOSVB1-S
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	Prepared	RPD	RPD Limit
Percent Moisture	13.5		13.2		%			2	10

Lab Sample ID: MB 570-493830/1
 Matrix: Solid
 Analysis Batch: 493830

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	ND		0.100	%			10/21/24 13:11	1

Lab Sample ID: 570-203269-10 DU
 Matrix: Solid
 Analysis Batch: 493830

Client Sample ID: UOSVB2-D
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	Prepared	RPD	RPD Limit
Percent Moisture	11.1		16.0	F3	%			36	10

Lab Sample ID: MB 570-494120/1
 Matrix: Solid
 Analysis Batch: 494120

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	ND		0.100	%			10/22/24 09:32	1

Lab Sample ID: 570-203269-18 DU
 Matrix: Solid
 Analysis Batch: 494120

Client Sample ID: EWVB5-S
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	Prepared	RPD	RPD Limit
Percent Moisture	3.89		3.62		%			7	10

QC Sample Results

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method: 2540G - Percent Moisture (Continued)

Lab Sample ID: 570-203269-28 DU
Matrix: Solid
Analysis Batch: 494120

Client Sample ID: IDW-S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Moisture	5.07		5.16		%		2	10

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Marginal Exceedance (ME) Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCSD 570-492773/5

Matrix: Solid

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance
								Status
1,1,1,2-Tetrachloroethane	50.0	53.27		ug/Kg	107	80 - 125	N/A	
1,1,1-Trichloroethane	50.0	52.22		ug/Kg	104	78 - 130	N/A	
1,1,2,2-Tetrachloroethane	50.0	46.15		ug/Kg	92	80 - 124	N/A	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.56		ug/Kg	107	73 - 130	N/A	
1,1,2-Trichloroethane	50.0	52.78		ug/Kg	106	80 - 123	N/A	
1,1-Dichloroethane	50.0	54.21		ug/Kg	108	79 - 124	N/A	
1,1-Dichloroethene	50.0	57.07		ug/Kg	114	74 - 132	64 - 142	
1,1-Dichloropropene	50.0	53.47		ug/Kg	107	78 - 130	N/A	
1,2,3-Trichlorobenzene	50.0	49.36		ug/Kg	99	80 - 123	N/A	
1,2,3-Trichloropropane	50.0	49.38		ug/Kg	99	79 - 120	N/A	
1,2,4-Trichlorobenzene	50.0	48.77		ug/Kg	98	80 - 125	N/A	
1,2,4-Trimethylbenzene	50.0	51.73		ug/Kg	103	80 - 124	N/A	
1,2-Dibromo-3-Chloropropane	50.0	49.88		ug/Kg	100	67 - 120	N/A	
1,2-Dibromoethane	50.0	52.90		ug/Kg	106	80 - 120	73 - 127	
1,2-Dichlorobenzene	50.0	53.15		ug/Kg	106	80 - 120	73 - 127	
1,2-Dichloroethane	50.0	58.14		ug/Kg	116	77 - 120	70 - 127	
1,2-Dichloropropane	50.0	54.28		ug/Kg	109	80 - 126	N/A	
1,3,5-Trimethylbenzene	50.0	58.53		ug/Kg	117	80 - 121	N/A	
1,3-Dichlorobenzene	50.0	51.62		ug/Kg	103	80 - 120	N/A	
1,3-Dichloropropane	50.0	52.06		ug/Kg	104	80 - 120	N/A	
1,4-Dichlorobenzene	50.0	54.32		ug/Kg	109	80 - 120	N/A	
2,2-Dichloropropane	50.0	46.43		ug/Kg	93	73 - 135	N/A	
2-Butanone (MEK)	50.0	56.95		ug/Kg	114	67 - 136	N/A	
2-Chlorotoluene	50.0	56.51		ug/Kg	113	80 - 120	N/A	
2-Hexanone	50.0	55.74		ug/Kg	111	70 - 137	N/A	
4-Chlorotoluene	50.0	51.89		ug/Kg	104	80 - 121	N/A	
4-Methyl-2-pentanone (MIBK)	50.0	50.83		ug/Kg	102	74 - 124	N/A	
Acetone	50.0	45.42		ug/Kg	91	61 - 142	N/A	
Benzene	50.0	51.98		ug/Kg	104	80 - 120	73 - 127	
Bromobenzene	50.0	56.04		ug/Kg	112	80 - 120	N/A	
Bromochloromethane	50.0	51.69		ug/Kg	103	80 - 120	N/A	
Bromodichloromethane	50.0	52.31		ug/Kg	105	80 - 125	N/A	
Bromoform	50.0	48.68		ug/Kg	97	74 - 138	N/A	
Bromomethane	50.0	69.15	*+	ug/Kg	138	58 - 136	N/A	X
cis-1,2-Dichloroethene	50.0	50.76		ug/Kg	102	80 - 124	N/A	
cis-1,3-Dichloropropene	50.0	51.87		ug/Kg	104	80 - 123	N/A	
Carbon disulfide	50.0	50.81		ug/Kg	102	68 - 128	N/A	
Carbon tetrachloride	50.0	57.35		ug/Kg	115	75 - 140	64 - 151	
Chlorobenzene	50.0	55.28		ug/Kg	111	80 - 120	73 - 127	
Chloroethane	50.0	66.69		ug/Kg	133	76 - 137	N/A	
Chloroform	50.0	51.21		ug/Kg	102	80 - 121	N/A	
Chloromethane	50.0	51.43		ug/Kg	103	74 - 133	N/A	
Dibromochloromethane	50.0	51.82		ug/Kg	104	80 - 132	N/A	
Dibromomethane	50.0	53.22		ug/Kg	106	80 - 120	N/A	
Dichlorodifluoromethane	50.0	52.21		ug/Kg	104	63 - 146	N/A	
Di-isopropyl ether (DIPE)	50.0	48.52		ug/Kg	97	73 - 132	63 - 142	
Ethanol	500	701.8		ug/Kg	140	46 - 159	27 - 178	
Ethylbenzene	50.0	54.82		ug/Kg	110	80 - 120	73 - 127	
Ethyl-t-butyl ether (ETBE)	50.0	47.86		ug/Kg	96	77 - 129	68 - 138	

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Marginal Exceedance (ME) Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCSD 570-492773/5
Matrix: Solid

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
Isopropylbenzene	50.0	58.09		ug/Kg	116	80 - 122	N/A	
Methylene Chloride	50.0	46.35		ug/Kg	93	74 - 120	N/A	
Methyl-t-Butyl Ether (MTBE)	50.0	46.03		ug/Kg	92	79 - 123	72 - 130	
Naphthalene	50.0	44.64		ug/Kg	89	79 - 121	N/A	
n-Butylbenzene	50.0	52.57		ug/Kg	105	79 - 131	N/A	
N-Propylbenzene	50.0	58.02		ug/Kg	116	80 - 122	N/A	
o-Xylene	50.0	56.37		ug/Kg	113	80 - 120	73 - 127	
m,p-Xylene	100	114.8		ug/Kg	115	80 - 120	73 - 127	
p-Isopropyltoluene	50.0	54.06		ug/Kg	108	80 - 126	N/A	
sec-Butylbenzene	50.0	51.70		ug/Kg	103	80 - 125	N/A	
Styrene	50.0	57.21		ug/Kg	114	80 - 120	N/A	
trans-1,2-Dichloroethene	50.0	50.27		ug/Kg	101	75 - 123	N/A	
trans-1,3-Dichloropropene	50.0	50.77		ug/Kg	102	80 - 124	N/A	
Tert-amyl-methyl ether (TAME)	50.0	44.02		ug/Kg	88	80 - 120	73 - 127	
tert-Butyl alcohol (TBA)	250	273.9		ug/Kg	110	74 - 123	66 - 131	
Toluene	50.0	53.41		ug/Kg	107	80 - 120	73 - 127	
tert-Butylbenzene	50.0	52.52		ug/Kg	105	80 - 124	N/A	
Tetrachloroethene	50.0	57.69		ug/Kg	115	80 - 122	N/A	
Trichloroethene	50.0	53.14		ug/Kg	106	80 - 127	72 - 135	
Trichlorofluoromethane	50.0	61.22		ug/Kg	122	70 - 144	N/A	
Vinyl acetate	50.0	46.72		ug/Kg	93	71 - 125	N/A	
Vinyl chloride	50.0	60.93		ug/Kg	122	79 - 133	70 - 142	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
71	4	0

X = % Recovery is greater than widest possible limit

Lab Sample ID: LCS 570-494076/1011
Matrix: Solid

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
1,1,1,2-Tetrachloroethane	50.0	53.11		ug/Kg	106	80 - 125	N/A	
1,1,1-Trichloroethane	50.0	53.30		ug/Kg	107	78 - 130	N/A	
1,1,2,2-Tetrachloroethane	50.0	53.04		ug/Kg	106	80 - 124	N/A	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.26		ug/Kg	91	73 - 130	N/A	
1,1,2-Trichloroethane	50.0	51.28		ug/Kg	103	80 - 123	N/A	
1,1-Dichloroethane	50.0	50.88		ug/Kg	102	79 - 124	N/A	
1,1-Dichloroethene	50.0	47.75		ug/Kg	96	74 - 132	64 - 142	
1,1-Dichloropropene	50.0	51.96		ug/Kg	104	78 - 130	N/A	
1,2,3-Trichlorobenzene	50.0	53.60		ug/Kg	107	80 - 123	N/A	
1,2,3-Trichloropropane	50.0	47.21		ug/Kg	94	79 - 120	N/A	
1,2,4-Trichlorobenzene	50.0	51.30		ug/Kg	103	80 - 125	N/A	
1,2,4-Trimethylbenzene	50.0	58.13		ug/Kg	116	80 - 124	N/A	
1,2-Dibromo-3-Chloropropane	50.0	56.07		ug/Kg	112	67 - 120	N/A	
1,2-Dibromoethane	50.0	54.09		ug/Kg	108	80 - 120	73 - 127	
1,2-Dichlorobenzene	50.0	52.81		ug/Kg	106	80 - 120	73 - 127	
1,2-Dichloroethane	50.0	48.73		ug/Kg	97	77 - 120	70 - 127	

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Marginal Exceedance (ME) Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-494076/1011
Matrix: Solid

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec %Rec	Limits	ME %Rec. Limits	Marginal Exceedance Status
1,2-Dichloropropane	50.0	53.22		ug/Kg	106	80 - 126	N/A	
1,3,5-Trimethylbenzene	50.0	53.20		ug/Kg	106	80 - 121	N/A	
1,3-Dichlorobenzene	50.0	51.91		ug/Kg	104	80 - 120	N/A	
1,3-Dichloropropane	50.0	52.40		ug/Kg	105	80 - 120	N/A	
1,4-Dichlorobenzene	50.0	50.85		ug/Kg	102	80 - 120	N/A	
2,2-Dichloropropane	50.0	52.97		ug/Kg	106	73 - 135	N/A	
2-Butanone (MEK)	50.0	50.18		ug/Kg	100	67 - 136	N/A	
2-Chlorotoluene	50.0	50.91		ug/Kg	102	80 - 120	N/A	
2-Hexanone	50.0	46.93		ug/Kg	94	70 - 137	N/A	
4-Chlorotoluene	50.0	53.17		ug/Kg	106	80 - 121	N/A	
4-Methyl-2-pentanone (MIBK)	50.0	49.00		ug/Kg	98	74 - 124	N/A	
Acetone	50.0	42.99		ug/Kg	86	61 - 142	N/A	
Benzene	50.0	50.18		ug/Kg	100	80 - 120	73 - 127	
Bromobenzene	50.0	50.82		ug/Kg	102	80 - 120	N/A	
Bromochloromethane	50.0	50.15		ug/Kg	100	80 - 120	N/A	
Bromodichloromethane	50.0	52.42		ug/Kg	105	80 - 125	N/A	
Bromoform	50.0	56.05		ug/Kg	112	74 - 138	N/A	
Bromomethane	50.0	47.91		ug/Kg	96	58 - 136	N/A	
cis-1,2-Dichloroethene	50.0	50.48		ug/Kg	101	80 - 124	N/A	
cis-1,3-Dichloropropene	50.0	62.19	*+	ug/Kg	124	80 - 123	N/A	X
Carbon disulfide	50.0	46.31		ug/Kg	93	68 - 128	N/A	
Carbon tetrachloride	50.0	51.51		ug/Kg	103	75 - 140	64 - 151	
Chlorobenzene	50.0	50.42		ug/Kg	101	80 - 120	73 - 127	
Chloroethane	50.0	48.41		ug/Kg	97	76 - 137	N/A	
Chloroform	50.0	49.62		ug/Kg	99	80 - 121	N/A	
Chloromethane	50.0	44.27		ug/Kg	89	74 - 133	N/A	
Dibromochloromethane	50.0	53.22		ug/Kg	106	80 - 132	N/A	
Dibromomethane	50.0	49.58		ug/Kg	99	80 - 120	N/A	
Dichlorodifluoromethane	50.0	46.89		ug/Kg	94	63 - 146	N/A	
Di-isopropyl ether (DIPE)	50.0	52.51		ug/Kg	105	73 - 132	63 - 142	
Ethanol	500	488.3		ug/Kg	98	46 - 159	27 - 178	
Ethylbenzene	50.0	52.47		ug/Kg	105	80 - 120	73 - 127	
Ethyl-t-butyl ether (ETBE)	50.0	54.66		ug/Kg	109	77 - 129	68 - 138	
Isopropylbenzene	50.0	52.11		ug/Kg	104	80 - 122	N/A	
Methylene Chloride	50.0	45.20		ug/Kg	90	74 - 120	N/A	
Methyl-t-Butyl Ether (MTBE)	50.0	52.06		ug/Kg	104	79 - 123	72 - 130	
Naphthalene	50.0	55.66		ug/Kg	111	79 - 121	N/A	
n-Butylbenzene	50.0	55.16		ug/Kg	110	79 - 131	N/A	
N-Propylbenzene	50.0	52.68		ug/Kg	105	80 - 122	N/A	
o-Xylene	50.0	55.81		ug/Kg	112	80 - 120	73 - 127	
m,p-Xylene	100	109.7		ug/Kg	110	80 - 120	73 - 127	
p-Isopropyltoluene	50.0	55.83		ug/Kg	112	80 - 126	N/A	
sec-Butylbenzene	50.0	56.69		ug/Kg	113	80 - 125	N/A	
Styrene	50.0	53.78		ug/Kg	108	80 - 120	N/A	
trans-1,2-Dichloroethene	50.0	48.93		ug/Kg	98	75 - 123	N/A	
trans-1,3-Dichloropropene	50.0	52.13		ug/Kg	104	80 - 124	N/A	
Tert-amyl-methyl ether (TAME)	50.0	53.31		ug/Kg	107	80 - 120	73 - 127	
tert-Butyl alcohol (TBA)	250	237.0		ug/Kg	95	74 - 123	66 - 131	
Toluene	50.0	52.04		ug/Kg	104	80 - 120	73 - 127	
tert-Butylbenzene	50.0	57.71		ug/Kg	115	80 - 124	N/A	

Marginal Exceedance (ME) Summary

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

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

Lab Sample ID: LCS 570-494076/1011
 Matrix: Solid

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
Tetrachloroethene	50.0	48.51		ug/Kg	97	80 - 122	N/A	
Trichloroethene	50.0	51.50		ug/Kg	103	80 - 127	72 - 135	
Trichlorofluoromethane	50.0	47.95		ug/Kg	96	70 - 144	N/A	
Vinyl acetate	50.0	48.67		ug/Kg	97	71 - 125	N/A	
Vinyl chloride	50.0	47.54		ug/Kg	95	79 - 133	70 - 142	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
71	4	0

X = % Recovery is greater than widest possible limit

QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

GC/MS VOA

Analysis Batch: 492773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-3	GCSTD	Total/NA	Solid	8260C	492797
MB 570-492773/6	Method Blank	Total/NA	Solid	8260C	
LCS 570-492773/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 570-492773/5	Lab Control Sample Dup	Total/NA	Solid	8260C	

Prep Batch: 492797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	Total/NA	Solid	5035	
570-203269-2	IGGESV-6	Total/NA	Solid	5035	
570-203269-3	GCSTD	Total/NA	Solid	5035	
570-203269-4	OTEWSV-4	Total/NA	Solid	5035	
570-203269-5	UOSVB1-S	Total/NA	Solid	5035	
570-203269-6	UOSVB1-I	Total/NA	Solid	5035	
570-203269-7	UOSVB1-D	Total/NA	Solid	5035	
570-203269-8	UOSVB2-S	Total/NA	Solid	5035	
570-203269-9	UOSVB2-I	Total/NA	Solid	5035	
570-203269-10	UOSVB2-D	Total/NA	Solid	5035	
570-203269-11	UOSVB3-S	Total/NA	Solid	5035	
570-203269-12	UOSVB3-I	Total/NA	Solid	5035	
570-203269-13	UOSVB3-D	Total/NA	Solid	5035	
570-203269-14	UOSVB4-S	Total/NA	Solid	5035	
570-203269-15	UOSVB4-I	Total/NA	Solid	5035	
570-203269-16	UOSVB4-D	Total/NA	Solid	5035	
570-203269-18	EWVB5-S	Total/NA	Solid	5035	
570-203269-19	EWVB5-I	Total/NA	Solid	5035	
570-203269-20	EWVB5-D	Total/NA	Solid	5035	
570-203269-23	EWVB6-I	Total/NA	Solid	5035	
570-203269-24	EWVB6-D	Total/NA	Solid	5035	
570-203269-28	IDW-S	Total/NA	Solid	5035	
570-203269-30	EWVB6-S	Total/NA	Solid	5035	

Analysis Batch: 493589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	Total/NA	Solid	8260C	492797
570-203269-4	OTEWSV-4	Total/NA	Solid	8260C	492797
570-203269-5	UOSVB1-S	Total/NA	Solid	8260C	492797
570-203269-6	UOSVB1-I	Total/NA	Solid	8260C	492797
570-203269-7	UOSVB1-D	Total/NA	Solid	8260C	492797
570-203269-8	UOSVB2-S	Total/NA	Solid	8260C	492797
570-203269-9	UOSVB2-I	Total/NA	Solid	8260C	492797
570-203269-10	UOSVB2-D	Total/NA	Solid	8260C	492797
570-203269-11	UOSVB3-S	Total/NA	Solid	8260C	492797
MB 570-493589/14	Method Blank	Total/NA	Solid	8260C	
MB 570-493589/15	Method Blank	Total/NA	Solid	8260C	
LCS 570-493589/1011	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 570-493589/12	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 494033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-17	UOSVB1-W	Total/NA	Water	8260C	
570-203269-21	EWVB5-W	Total/NA	Water	8260C	

QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

GC/MS VOA (Continued)

Analysis Batch: 494033 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-25	EWBV6-W	Total/NA	Water	8260C	
570-203269-26	UOSVB4-W	Total/NA	Water	8260C	
570-203269-27	UOSVB2-W	Total/NA	Water	8260C	
570-203269-29	IDW-W	Total/NA	Water	8260C	
MB 570-494033/21	Method Blank	Total/NA	Water	8260C	
LCS 570-494033/1018	Lab Control Sample	Total/NA	Water	8260C	
LCSD 570-494033/19	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 494076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-2	IGGESV-6	Total/NA	Solid	8260C	492797
570-203269-12	UOSVB3-I	Total/NA	Solid	8260C	492797
570-203269-13	UOSVB3-D	Total/NA	Solid	8260C	492797
570-203269-14	UOSVB4-S	Total/NA	Solid	8260C	492797
570-203269-15	UOSVB4-I	Total/NA	Solid	8260C	492797
570-203269-16	UOSVB4-D	Total/NA	Solid	8260C	492797
570-203269-18	EWVB5-S	Total/NA	Solid	8260C	492797
570-203269-19	EWVB5-I	Total/NA	Solid	8260C	492797
570-203269-20	EWVB5-D	Total/NA	Solid	8260C	492797
570-203269-23	EWVB6-I	Total/NA	Solid	8260C	492797
570-203269-24	EWVB6-D	Total/NA	Solid	8260C	492797
570-203269-28	IDW-S	Total/NA	Solid	8260C	492797
570-203269-30	EWVB6-S	Total/NA	Solid	8260C	492797
MB 570-494076/14	Method Blank	Total/NA	Solid	8260C	
MB 570-494076/15	Method Blank	Total/NA	Solid	8260C	
LCS 570-494076/1011	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 570-494076/12	Lab Control Sample Dup	Total/NA	Solid	8260C	

GC VOA

Analysis Batch: 493102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-17	UOSVB1-W	Total/NA	Water	NWTPH-Gx	
570-203269-21	EWVB5-W	Total/NA	Water	NWTPH-Gx	
570-203269-25	EWVB6-W	Total/NA	Water	NWTPH-Gx	
570-203269-26	UOSVB4-W	Total/NA	Water	NWTPH-Gx	
570-203269-27	UOSVB2-W	Total/NA	Water	NWTPH-Gx	
570-203269-29	IDW-W	Total/NA	Water	NWTPH-Gx	
MB 570-493102/5	Method Blank	Total/NA	Water	NWTPH-Gx	
LCS 570-493102/3	Lab Control Sample	Total/NA	Water	NWTPH-Gx	
LCSD 570-493102/4	Lab Control Sample Dup	Total/NA	Water	NWTPH-Gx	

Prep Batch: 493235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	Total/NA	Solid	5030C	
570-203269-2	IGGESV-6	Total/NA	Solid	5030C	
570-203269-3	GCSTD	Total/NA	Solid	5030C	
570-203269-4	OTEWSV-4	Total/NA	Solid	5030C	
570-203269-5	UOSVB1-S	Total/NA	Solid	5030C	
570-203269-6	UOSVB1-I	Total/NA	Solid	5030C	
570-203269-7	UOSVB1-D	Total/NA	Solid	5030C	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

GC VOA (Continued)

Prep Batch: 493235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-8	UOSVB2-S	Total/NA	Solid	5030C	
570-203269-9	UOSVB2-I	Total/NA	Solid	5030C	
570-203269-14	UOSVB4-S	Total/NA	Solid	5030C	
570-203269-15	UOSVB4-I	Total/NA	Solid	5030C	
570-203269-16	UOSVB4-D	Total/NA	Solid	5030C	
570-203269-18	EWVB5-S	Total/NA	Solid	5030C	
570-203269-19	EWVB5-I	Total/NA	Solid	5030C	
570-203269-20	EWVB5-D	Total/NA	Solid	5030C	
570-203269-23	EWVB6-I	Total/NA	Solid	5030C	
570-203269-24	EWVB6-D	Total/NA	Solid	5030C	
MB 570-493235/3-A	Method Blank	Total/NA	Solid	5030C	
MB 570-493235/4-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-493235/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-493235/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-203269-18 MS	EWVB5-S	Total/NA	Solid	5030C	
570-203269-18 MSD	EWVB5-S	Total/NA	Solid	5030C	

Analysis Batch: 493290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	Total/NA	Solid	NWTPH-Gx	493235
570-203269-2	IGGESV-6	Total/NA	Solid	NWTPH-Gx	493235
570-203269-3	GCSTD	Total/NA	Solid	NWTPH-Gx	493235
570-203269-4	OTEWSV-4	Total/NA	Solid	NWTPH-Gx	493235
570-203269-5	UOSVB1-S	Total/NA	Solid	NWTPH-Gx	493235
570-203269-6	UOSVB1-I	Total/NA	Solid	NWTPH-Gx	493235
570-203269-7	UOSVB1-D	Total/NA	Solid	NWTPH-Gx	493235
570-203269-8	UOSVB2-S	Total/NA	Solid	NWTPH-Gx	493235
570-203269-9	UOSVB2-I	Total/NA	Solid	NWTPH-Gx	493235
570-203269-14	UOSVB4-S	Total/NA	Solid	NWTPH-Gx	493235
570-203269-15	UOSVB4-I	Total/NA	Solid	NWTPH-Gx	493235
570-203269-16	UOSVB4-D	Total/NA	Solid	NWTPH-Gx	493235
570-203269-18	EWVB5-S	Total/NA	Solid	NWTPH-Gx	493235
570-203269-19	EWVB5-I	Total/NA	Solid	NWTPH-Gx	493235
570-203269-20	EWVB5-D	Total/NA	Solid	NWTPH-Gx	493235
570-203269-23	EWVB6-I	Total/NA	Solid	NWTPH-Gx	493235
570-203269-24	EWVB6-D	Total/NA	Solid	NWTPH-Gx	493235
MB 570-493235/3-A	Method Blank	Total/NA	Solid	NWTPH-Gx	493235
MB 570-493235/4-A	Method Blank	Total/NA	Solid	NWTPH-Gx	493235
LCS 570-493235/1-A	Lab Control Sample	Total/NA	Solid	NWTPH-Gx	493235
LCSD 570-493235/2-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Gx	493235
570-203269-18 MS	EWVB5-S	Total/NA	Solid	NWTPH-Gx	493235
570-203269-18 MSD	EWVB5-S	Total/NA	Solid	NWTPH-Gx	493235

Prep Batch: 494355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-11	UOSVB3-S	Total/NA	Solid	5030C	
570-203269-12	UOSVB3-I	Total/NA	Solid	5030C	
570-203269-13	UOSVB3-D	Total/NA	Solid	5030C	
570-203269-30	EWVB6-S	Total/NA	Solid	5030C	
MB 570-494355/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-494355/1-A	Lab Control Sample	Total/NA	Solid	5030C	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

GC VOA (Continued)

Prep Batch: 494355 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-494355/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-203269-30 MS	EWVB6-S	Total/NA	Solid	5030C	
570-203269-30 MSD	EWVB6-S	Total/NA	Solid	5030C	

Analysis Batch: 494365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-11	UOSVB3-S	Total/NA	Solid	NWTPH-Gx	494355
570-203269-12	UOSVB3-I	Total/NA	Solid	NWTPH-Gx	494355
570-203269-13	UOSVB3-D	Total/NA	Solid	NWTPH-Gx	494355
570-203269-30	EWVB6-S	Total/NA	Solid	NWTPH-Gx	494355
MB 570-494355/3-A	Method Blank	Total/NA	Solid	NWTPH-Gx	494355
LCS 570-494355/1-A	Lab Control Sample	Total/NA	Solid	NWTPH-Gx	494355
LCSD 570-494355/2-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Gx	494355
570-203269-30 MS	EWVB6-S	Total/NA	Solid	NWTPH-Gx	494355
570-203269-30 MSD	EWVB6-S	Total/NA	Solid	NWTPH-Gx	494355

Prep Batch: 495161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-28	IDW-S	Total/NA	Solid	5030C	
MB 570-495161/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-495161/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-495161/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-203269-28 MS	IDW-S	Total/NA	Solid	5030C	
570-203269-28 MSD	IDW-S	Total/NA	Solid	5030C	

Analysis Batch: 495218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-28	IDW-S	Total/NA	Solid	NWTPH-Gx	495161
MB 570-495161/3-A	Method Blank	Total/NA	Solid	NWTPH-Gx	495161
LCS 570-495161/1-A	Lab Control Sample	Total/NA	Solid	NWTPH-Gx	495161
LCSD 570-495161/2-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Gx	495161
570-203269-28 MS	IDW-S	Total/NA	Solid	NWTPH-Gx	495161
570-203269-28 MSD	IDW-S	Total/NA	Solid	NWTPH-Gx	495161

Prep Batch: 495650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	Total/NA	Solid	5030C	
MB 570-495650/3-A	Method Blank	Total/NA	Solid	5030C	
LCS 570-495650/1-A	Lab Control Sample	Total/NA	Solid	5030C	
LCSD 570-495650/2-A	Lab Control Sample Dup	Total/NA	Solid	5030C	
570-203269-10 MS	UOSVB2-D	Total/NA	Solid	5030C	
570-203269-10 MSD	UOSVB2-D	Total/NA	Solid	5030C	

Analysis Batch: 495695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	Total/NA	Solid	NWTPH-Gx	495650
MB 570-495650/3-A	Method Blank	Total/NA	Solid	NWTPH-Gx	495650
LCS 570-495650/1-A	Lab Control Sample	Total/NA	Solid	NWTPH-Gx	495650
LCSD 570-495650/2-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Gx	495650
570-203269-10 MS	UOSVB2-D	Total/NA	Solid	NWTPH-Gx	495650
570-203269-10 MSD	UOSVB2-D	Total/NA	Solid	NWTPH-Gx	495650

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

GC Semi VOA

Prep Batch: 493094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1 - DL	IGGESV-0	Total/NA	Solid	3550C	
570-203269-2 - DL	IGGESV-6	Total/NA	Solid	3550C	
570-203269-3 - DL	GCSTD	Total/NA	Solid	3550C	
570-203269-4	OTEWSV-4	Total/NA	Solid	3550C	
570-203269-5	UOSVB1-S	Total/NA	Solid	3550C	
570-203269-6	UOSVB1-I	Total/NA	Solid	3550C	
570-203269-7	UOSVB1-D	Total/NA	Solid	3550C	
570-203269-8	UOSVB2-S	Total/NA	Solid	3550C	
570-203269-9	UOSVB2-I	Total/NA	Solid	3550C	
570-203269-14 - DL	UOSVB4-S	Total/NA	Solid	3550C	
570-203269-15	UOSVB4-I	Total/NA	Solid	3550C	
570-203269-16	UOSVB4-D	Total/NA	Solid	3550C	
570-203269-18	EWVB5-S	Total/NA	Solid	3550C	
570-203269-19	EWVB5-I	Total/NA	Solid	3550C	
570-203269-20	EWVB5-D	Total/NA	Solid	3550C	
570-203269-23	EWVB6-I	Total/NA	Solid	3550C	
570-203269-24	EWVB6-D	Total/NA	Solid	3550C	
MB 570-493094/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-493094/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 570-493094/6-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-493094/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
LCSD 570-493094/7-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-203269-5 MS	UOSVB1-S	Total/NA	Solid	3550C	
570-203269-5 MS	UOSVB1-S	Total/NA	Solid	3550C	
570-203269-5 MSD	UOSVB1-S	Total/NA	Solid	3550C	
570-203269-5 MSD	UOSVB1-S	Total/NA	Solid	3550C	

Prep Batch: 493126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-17	UOSVB1-W	Total/NA	Water	3510C	
570-203269-17 - RA	UOSVB1-W	Total/NA	Water	3510C	
570-203269-21 - RA	EWVB5-W	Total/NA	Water	3510C	
570-203269-21	EWVB5-W	Total/NA	Water	3510C	
570-203269-25	EWVB6-W	Total/NA	Water	3510C	
570-203269-25 - RA	EWVB6-W	Total/NA	Water	3510C	
570-203269-26 - RA	UOSVB4-W	Total/NA	Water	3510C	
570-203269-26	UOSVB4-W	Total/NA	Water	3510C	
570-203269-27	UOSVB2-W	Total/NA	Water	3510C	
570-203269-27 - RA	UOSVB2-W	Total/NA	Water	3510C	
570-203269-29	IDW-W	Total/NA	Water	3510C	
MB 570-493126/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-493126/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-493126/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 493216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-18	EWVB5-S	Total/NA	Solid	3546	
MB 570-493216/1-A	Method Blank	Total/NA	Solid	3546	
LCS 570-493216/10-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 570-493216/11-A	Lab Control Sample Dup	Total/NA	Solid	3546	
570-203269-18 MS	EWVB5-S	Total/NA	Solid	3546	

QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

GC Semi VOA (Continued)

Prep Batch: 493216 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-18 MSD	EWVB5-S	Total/NA	Solid	3546	

Prep Batch: 493397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-30	EWVB6-S	Total/NA	Solid	3550C	
MB 570-493397/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-493397/6-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-493397/7-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 493475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-17	UOSVB1-W	Total/NA	Water	NWTPH-Dx	493126
570-203269-21	EWVB5-W	Total/NA	Water	NWTPH-Dx	493126
570-203269-25	EWVB6-W	Total/NA	Water	NWTPH-Dx	493126
570-203269-26	UOSVB4-W	Total/NA	Water	NWTPH-Dx	493126
570-203269-27	UOSVB2-W	Total/NA	Water	NWTPH-Dx	493126
570-203269-29	IDW-W	Total/NA	Water	NWTPH-Dx	493126
LCS 570-493126/2-A	Lab Control Sample	Total/NA	Water	NWTPH-Dx	493126
LCSD 570-493126/3-A	Lab Control Sample Dup	Total/NA	Water	NWTPH-Dx	493126

Prep Batch: 493619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-21	EWVB5-W	Total/NA	Water	3510C	
MB 570-493619/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-493619/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-493619/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 493841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-30	EWVB6-S	Total/NA	Solid	NWTPH-Dx	493397
MB 570-493397/1-A	Method Blank	Total/NA	Solid	NWTPH-Dx	493397
LCS 570-493397/6-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	493397
LCSD 570-493397/7-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Dx	493397

Analysis Batch: 494453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-493216/1-A	Method Blank	Total/NA	Solid	8081A	493216
LCS 570-493216/10-A	Lab Control Sample	Total/NA	Solid	8081A	493216
LCSD 570-493216/11-A	Lab Control Sample Dup	Total/NA	Solid	8081A	493216

Prep Batch: 494834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	Total/NA	Solid	3550C	
570-203269-11	UOSVB3-S	Total/NA	Solid	3550C	
570-203269-12	UOSVB3-I	Total/NA	Solid	3550C	
570-203269-13	UOSVB3-D	Total/NA	Solid	3550C	
570-203269-28	IDW-S	Total/NA	Solid	3550C	
MB 570-494834/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-494834/11-A	Lab Control Sample	Total/NA	Solid	3550C	
LCS 570-494834/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-494834/12-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

GC Semi VOA (Continued)

Prep Batch: 494834 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-494834/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-203269-10 MS	UOSVB2-D	Total/NA	Solid	3550C	
570-203269-10 MS	UOSVB2-D	Total/NA	Solid	3550C	
570-203269-10 MSD	UOSVB2-D	Total/NA	Solid	3550C	
570-203269-10 MSD	UOSVB2-D	Total/NA	Solid	3550C	

Analysis Batch: 494909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	Total/NA	Solid	NWTPH-Dx	494834
570-203269-11	UOSVB3-S	Total/NA	Solid	NWTPH-Dx	494834
570-203269-12	UOSVB3-I	Total/NA	Solid	NWTPH-Dx	494834
570-203269-13	UOSVB3-D	Total/NA	Solid	NWTPH-Dx	494834
570-203269-28	IDW-S	Total/NA	Solid	NWTPH-Dx	494834
MB 570-494834/1-A	Method Blank	Total/NA	Solid	NWTPH-Dx	494834
LCS 570-494834/11-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	494834
LCS 570-494834/2-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	494834
LCSD 570-494834/12-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Dx	494834
LCSD 570-494834/3-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Dx	494834
570-203269-10 MS	UOSVB2-D	Total/NA	Solid	NWTPH-Dx	494834
570-203269-10 MS	UOSVB2-D	Total/NA	Solid	NWTPH-Dx	494834
570-203269-10 MSD	UOSVB2-D	Total/NA	Solid	NWTPH-Dx	494834
570-203269-10 MSD	UOSVB2-D	Total/NA	Solid	NWTPH-Dx	494834

Analysis Batch: 494951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-18	EWVB5-S	Total/NA	Solid	8081A	493216
MB 570-493619/1-A	Method Blank	Total/NA	Water	8081A	493619
LCS 570-493619/2-A	Lab Control Sample	Total/NA	Water	8081A	493619
LCSD 570-493619/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	493619
570-203269-18 MS	EWVB5-S	Total/NA	Solid	8081A	493216
570-203269-18 MSD	EWVB5-S	Total/NA	Solid	8081A	493216

Analysis Batch: 495425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1 - DL	IGGESV-0	Total/NA	Solid	NWTPH-Dx	493094
570-203269-2 - DL	IGGESV-6	Total/NA	Solid	NWTPH-Dx	493094
570-203269-3 - DL	GCSTD	Total/NA	Solid	NWTPH-Dx	493094
570-203269-4	OTEWSV-4	Total/NA	Solid	NWTPH-Dx	493094
570-203269-5	UOSVB1-S	Total/NA	Solid	NWTPH-Dx	493094
570-203269-6	UOSVB1-I	Total/NA	Solid	NWTPH-Dx	493094
570-203269-7	UOSVB1-D	Total/NA	Solid	NWTPH-Dx	493094
570-203269-8	UOSVB2-S	Total/NA	Solid	NWTPH-Dx	493094
570-203269-9	UOSVB2-I	Total/NA	Solid	NWTPH-Dx	493094
570-203269-15	UOSVB4-I	Total/NA	Solid	NWTPH-Dx	493094
570-203269-16	UOSVB4-D	Total/NA	Solid	NWTPH-Dx	493094
570-203269-18	EWVB5-S	Total/NA	Solid	NWTPH-Dx	493094
570-203269-19	EWVB5-I	Total/NA	Solid	NWTPH-Dx	493094
570-203269-20	EWVB5-D	Total/NA	Solid	NWTPH-Dx	493094
570-203269-23	EWVB6-I	Total/NA	Solid	NWTPH-Dx	493094
570-203269-24	EWVB6-D	Total/NA	Solid	NWTPH-Dx	493094
MB 570-493094/1-A	Method Blank	Total/NA	Solid	NWTPH-Dx	493094

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

GC Semi VOA (Continued)

Analysis Batch: 495425 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-493094/2-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	493094
LCS 570-493094/6-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	493094
LCSD 570-493094/3-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Dx	493094
LCSD 570-493094/7-A	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Dx	493094
570-203269-5 MS	UOSVB1-S	Total/NA	Solid	NWTPH-Dx	493094
570-203269-5 MS	UOSVB1-S	Total/NA	Solid	NWTPH-Dx	493094
570-203269-5 MSD	UOSVB1-S	Total/NA	Solid	NWTPH-Dx	493094
570-203269-5 MSD	UOSVB1-S	Total/NA	Solid	NWTPH-Dx	493094

Analysis Batch: 496223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-14 - DL	UOSVB4-S	Total/NA	Solid	NWTPH-Dx	493094
570-203269-17 - RA	UOSVB1-W	Total/NA	Water	NWTPH-Dx	493126
570-203269-21 - RA	EWVB5-W	Total/NA	Water	NWTPH-Dx	493126
570-203269-25 - RA	EWVB6-W	Total/NA	Water	NWTPH-Dx	493126
570-203269-26 - RA	UOSVB4-W	Total/NA	Water	NWTPH-Dx	493126
570-203269-27 - RA	UOSVB2-W	Total/NA	Water	NWTPH-Dx	493126
MB 570-493126/1-A	Method Blank	Total/NA	Water	NWTPH-Dx	493126

Analysis Batch: 496686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-21	EWVB5-W	Total/NA	Water	8081A	493619

Metals

Leach Batch: 492880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	TCLP	Solid	1311	
570-203269-11	UOSVB3-S	TCLP	Solid	1311	
570-203269-12	UOSVB3-I	TCLP	Solid	1311	
570-203269-13	UOSVB3-D	TCLP	Solid	1311	
570-203269-28	IDW-S	TCLP	Solid	1311	
LB 570-492880/1-B	Method Blank	TCLP	Solid	1311	
LB 570-492880/1-C	Method Blank	TCLP	Solid	1311	
LCS 570-492880/2-B	Lab Control Sample	TCLP	Solid	1311	
LCS 570-492880/2-C	Lab Control Sample	TCLP	Solid	1311	
LCSD 570-492880/3-B	Lab Control Sample Dup	TCLP	Solid	1311	
LCSD 570-492880/3-C	Lab Control Sample Dup	TCLP	Solid	1311	
570-203269-10 MS	UOSVB2-D	TCLP	Solid	1311	
570-203269-10 MSD	UOSVB2-D	TCLP	Solid	1311	

Prep Batch: 492920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-5	UOSVB1-S	Total/NA	Solid	3050B	
570-203269-6	UOSVB1-I	Total/NA	Solid	3050B	
570-203269-7	UOSVB1-D	Total/NA	Solid	3050B	
570-203269-8	UOSVB2-S	Total/NA	Solid	3050B	
570-203269-9	UOSVB2-I	Total/NA	Solid	3050B	
570-203269-14	UOSVB4-S	Total/NA	Solid	3050B	
570-203269-15	UOSVB4-I	Total/NA	Solid	3050B	
570-203269-16	UOSVB4-D	Total/NA	Solid	3050B	

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QC Association Summary

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Metals (Continued)

Prep Batch: 492920 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-18	EWVB5-S	Total/NA	Solid	3050B	
570-203269-19	EWVB5-I	Total/NA	Solid	3050B	
570-203269-20	EWVB5-D	Total/NA	Solid	3050B	
570-203269-23	EWVB6-I	Total/NA	Solid	3050B	
570-203269-24	EWVB6-D	Total/NA	Solid	3050B	
MB 570-492920/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-492920/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-492920/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-203269-15 MS	UOSVB4-I	Total/NA	Solid	3050B	
570-203269-15 MSD	UOSVB4-I	Total/NA	Solid	3050B	

Prep Batch: 492974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-5	UOSVB1-S	Total/NA	Solid	7471A	
570-203269-6	UOSVB1-I	Total/NA	Solid	7471A	
570-203269-7	UOSVB1-D	Total/NA	Solid	7471A	
570-203269-8	UOSVB2-S	Total/NA	Solid	7471A	
570-203269-9	UOSVB2-I	Total/NA	Solid	7471A	
570-203269-14	UOSVB4-S	Total/NA	Solid	7471A	
570-203269-15	UOSVB4-I	Total/NA	Solid	7471A	
570-203269-16	UOSVB4-D	Total/NA	Solid	7471A	
570-203269-18	EWVB5-S	Total/NA	Solid	7471A	
570-203269-19	EWVB5-I	Total/NA	Solid	7471A	
570-203269-20	EWVB5-D	Total/NA	Solid	7471A	
570-203269-23	EWVB6-I	Total/NA	Solid	7471A	
570-203269-24	EWVB6-D	Total/NA	Solid	7471A	
MB 570-492974/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-492974/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-492974/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 493092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-5	UOSVB1-S	Total/NA	Solid	7471A	492974
570-203269-6	UOSVB1-I	Total/NA	Solid	7471A	492974
570-203269-7	UOSVB1-D	Total/NA	Solid	7471A	492974
570-203269-8	UOSVB2-S	Total/NA	Solid	7471A	492974
570-203269-9	UOSVB2-I	Total/NA	Solid	7471A	492974
570-203269-14	UOSVB4-S	Total/NA	Solid	7471A	492974
570-203269-15	UOSVB4-I	Total/NA	Solid	7471A	492974
570-203269-16	UOSVB4-D	Total/NA	Solid	7471A	492974
570-203269-18	EWVB5-S	Total/NA	Solid	7471A	492974
570-203269-19	EWVB5-I	Total/NA	Solid	7471A	492974
570-203269-20	EWVB5-D	Total/NA	Solid	7471A	492974
570-203269-23	EWVB6-I	Total/NA	Solid	7471A	492974
570-203269-24	EWVB6-D	Total/NA	Solid	7471A	492974
MB 570-492974/1-A	Method Blank	Total/NA	Solid	7471A	492974
LCS 570-492974/2-A	Lab Control Sample	Total/NA	Solid	7471A	492974
LCSD 570-492974/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	492974

QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Metals

Analysis Batch: 493149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-5	UOSVB1-S	Total/NA	Solid	6010B	492920
570-203269-6	UOSVB1-I	Total/NA	Solid	6010B	492920
570-203269-7	UOSVB1-D	Total/NA	Solid	6010B	492920
570-203269-8	UOSVB2-S	Total/NA	Solid	6010B	492920
570-203269-9	UOSVB2-I	Total/NA	Solid	6010B	492920
570-203269-14	UOSVB4-S	Total/NA	Solid	6010B	492920
570-203269-16	UOSVB4-D	Total/NA	Solid	6010B	492920
570-203269-18	EWVB5-S	Total/NA	Solid	6010B	492920
570-203269-19	EWVB5-I	Total/NA	Solid	6010B	492920
570-203269-20	EWVB5-D	Total/NA	Solid	6010B	492920
570-203269-23	EWVB6-I	Total/NA	Solid	6010B	492920
570-203269-24	EWVB6-D	Total/NA	Solid	6010B	492920

Analysis Batch: 493180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-15	UOSVB4-I	Total/NA	Solid	6010B	492920
MB 570-492920/1-A ^5	Method Blank	Total/NA	Solid	6010B	492920
LCS 570-492920/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	492920
LCSD 570-492920/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	492920
570-203269-15 MS	UOSVB4-I	Total/NA	Solid	6010B	492920
570-203269-15 MSD	UOSVB4-I	Total/NA	Solid	6010B	492920

Prep Batch: 493541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	TCLP	Solid	3010A	492880
570-203269-11	UOSVB3-S	TCLP	Solid	3010A	492880
570-203269-12	UOSVB3-I	TCLP	Solid	3010A	492880
570-203269-13	UOSVB3-D	TCLP	Solid	3010A	492880
570-203269-28	IDW-S	TCLP	Solid	3010A	492880
LB 570-492880/1-B	Method Blank	TCLP	Solid	3010A	492880
LCS 570-492880/2-B	Lab Control Sample	TCLP	Solid	3010A	492880
LCSD 570-492880/3-B	Lab Control Sample Dup	TCLP	Solid	3010A	492880
570-203269-10 MS	UOSVB2-D	TCLP	Solid	3010A	492880
570-203269-10 MSD	UOSVB2-D	TCLP	Solid	3010A	492880

Leach Batch: 493552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-29	IDW-W	TCLP	Water	1311	
LB 570-493552/1-B	Method Blank	TCLP	Water	1311	
LB 570-493552/1-C	Method Blank	TCLP	Water	1311	
LCS 570-493552/2-B	Lab Control Sample	TCLP	Water	1311	
LCS 570-493552/2-C	Lab Control Sample	TCLP	Water	1311	
LCSD 570-493552/3-B	Lab Control Sample Dup	TCLP	Water	1311	
LCSD 570-493552/3-C	Lab Control Sample Dup	TCLP	Water	1311	
570-203269-29 MS	IDW-W	TCLP	Water	1311	
570-203269-29 MSD	IDW-W	TCLP	Water	1311	

Prep Batch: 493591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	Total/NA	Solid	3050B	
570-203269-11	UOSVB3-S	Total/NA	Solid	3050B	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Metals (Continued)

Prep Batch: 493591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-12	UOSVB3-I	Total/NA	Solid	3050B	
570-203269-13	UOSVB3-D	Total/NA	Solid	3050B	
570-203269-30	EWVB6-S	Total/NA	Solid	3050B	
MB 570-493591/1-A ^5V	Method Blank	Total/NA	Solid	3050B	
LCS 570-493591/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-493591/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	

Prep Batch: 493617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-29	IDW-W	TCLP	Water	3010A	493552
LB 570-493552/1-B	Method Blank	TCLP	Water	3010A	493552
LCS 570-493552/2-B	Lab Control Sample	TCLP	Water	3010A	493552
LCSD 570-493552/3-B	Lab Control Sample Dup	TCLP	Water	3010A	493552
570-203269-29 MS	IDW-W	TCLP	Water	3010A	493552
570-203269-29 MSD	IDW-W	TCLP	Water	3010A	493552

Prep Batch: 493642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-29	IDW-W	TCLP	Water	7470A	493552
LB 570-493552/1-C	Method Blank	TCLP	Water	7470A	493552
LCS 570-493552/2-C	Lab Control Sample	TCLP	Water	7470A	493552
LCSD 570-493552/3-C	Lab Control Sample Dup	TCLP	Water	7470A	493552
570-203269-29 MS	IDW-W	TCLP	Water	7470A	493552
570-203269-29 MSD	IDW-W	TCLP	Water	7470A	493552

Prep Batch: 493643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	TCLP	Solid	7470A	492880
570-203269-11	UOSVB3-S	TCLP	Solid	7470A	492880
570-203269-12	UOSVB3-I	TCLP	Solid	7470A	492880
570-203269-13	UOSVB3-D	TCLP	Solid	7470A	492880
570-203269-28	IDW-S	TCLP	Solid	7470A	492880
LB 570-492880/1-C	Method Blank	TCLP	Solid	7470A	492880
LCS 570-492880/2-C	Lab Control Sample	TCLP	Solid	7470A	492880
LCSD 570-492880/3-C	Lab Control Sample Dup	TCLP	Solid	7470A	492880

Prep Batch: 493683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-30	EWVB6-S	Total/NA	Solid	7471A	
MB 570-493683/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-493683/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-493683/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 493788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-30	EWVB6-S	Total/NA	Solid	7471A	493683
MB 570-493683/1-A	Method Blank	Total/NA	Solid	7471A	493683
LCS 570-493683/2-A	Lab Control Sample	Total/NA	Solid	7471A	493683
LCSD 570-493683/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	493683

QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Metals

Analysis Batch: 493897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	TCLP	Solid	6010B	493541
570-203269-10	UOSVB2-D	Total/NA	Solid	6010B	493591
570-203269-11	UOSVB3-S	TCLP	Solid	6010B	493541
570-203269-11	UOSVB3-S	Total/NA	Solid	6010B	493591
570-203269-12	UOSVB3-I	TCLP	Solid	6010B	493541
570-203269-12	UOSVB3-I	Total/NA	Solid	6010B	493591
570-203269-13	UOSVB3-D	TCLP	Solid	6010B	493541
570-203269-13	UOSVB3-D	Total/NA	Solid	6010B	493591
570-203269-28	IDW-S	TCLP	Solid	6010B	493541
570-203269-29	IDW-W	TCLP	Water	6010B	493617
LB 570-492880/1-B	Method Blank	TCLP	Solid	6010B	493541
LB 570-493552/1-B	Method Blank	TCLP	Water	6010B	493617
MB 570-493591/1-A ^5V	Method Blank	Total/NA	Solid	6010B	493591
LCS 570-492880/2-B	Lab Control Sample	TCLP	Solid	6010B	493541
LCS 570-493552/2-B	Lab Control Sample	TCLP	Water	6010B	493617
LCS 570-493591/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	493591
LCSD 570-492880/3-B	Lab Control Sample Dup	TCLP	Solid	6010B	493541
LCSD 570-493552/3-B	Lab Control Sample Dup	TCLP	Water	6010B	493617
LCSD 570-493591/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	493591
570-203269-10 MS	UOSVB2-D	TCLP	Solid	6010B	493541
570-203269-10 MSD	UOSVB2-D	TCLP	Solid	6010B	493541
570-203269-29 MS	IDW-W	TCLP	Water	6010B	493617
570-203269-29 MSD	IDW-W	TCLP	Water	6010B	493617

Analysis Batch: 494001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-30	EWVB6-S	Total/NA	Solid	6010B	493591

Analysis Batch: 494147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	Total/NA	Solid	7471A	494177
570-203269-11	UOSVB3-S	Total/NA	Solid	7471A	494177
570-203269-12	UOSVB3-I	Total/NA	Solid	7471A	494177
570-203269-13	UOSVB3-D	Total/NA	Solid	7471A	494177
MB 570-494177/1-A	Method Blank	Total/NA	Solid	7471A	494177
LCS 570-494177/2-A	Lab Control Sample	Total/NA	Solid	7471A	494177
LCSD 570-494177/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	494177

Leach Batch: 494172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	TCLP	Solid	1311	
570-203269-2	IGGESV-6	TCLP	Solid	1311	
570-203269-3	GCSTD	TCLP	Solid	1311	
570-203269-4	OTEWSV-4	TCLP	Solid	1311	
LB 570-494172/1-B	Method Blank	TCLP	Solid	1311	
LB 570-494172/1-C	Method Blank	TCLP	Solid	1311	
LCS 570-494172/2-B	Lab Control Sample	TCLP	Solid	1311	
LCS 570-494172/2-C	Lab Control Sample	TCLP	Solid	1311	
LCSD 570-494172/3-B	Lab Control Sample Dup	TCLP	Solid	1311	
LCSD 570-494172/3-C	Lab Control Sample Dup	TCLP	Solid	1311	
570-203269-1 MS	IGGESV-0	TCLP	Solid	1311	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Metals (Continued)

Leach Batch: 494172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1 MSD	IGGESV-0	TCLP	Solid	1311	

Prep Batch: 494177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	Total/NA	Solid	7471A	
570-203269-11	UOSVB3-S	Total/NA	Solid	7471A	
570-203269-12	UOSVB3-I	Total/NA	Solid	7471A	
570-203269-13	UOSVB3-D	Total/NA	Solid	7471A	
MB 570-494177/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-494177/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-494177/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 494279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	TCLP	Solid	7470A	493643
570-203269-11	UOSVB3-S	TCLP	Solid	7470A	493643
570-203269-12	UOSVB3-I	TCLP	Solid	7470A	493643
570-203269-13	UOSVB3-D	TCLP	Solid	7470A	493643
570-203269-28	IDW-S	TCLP	Solid	7470A	493643
570-203269-29	IDW-W	TCLP	Water	7470A	493642
LB 570-492880/1-C	Method Blank	TCLP	Solid	7470A	493643
LB 570-493552/1-C	Method Blank	TCLP	Water	7470A	493642
LCS 570-492880/2-C	Lab Control Sample	TCLP	Solid	7470A	493643
LCS 570-493552/2-C	Lab Control Sample	TCLP	Water	7470A	493642
LCSD 570-492880/3-C	Lab Control Sample Dup	TCLP	Solid	7470A	493643
LCSD 570-493552/3-C	Lab Control Sample Dup	TCLP	Water	7470A	493642
570-203269-29 MS	IDW-W	TCLP	Water	7470A	493642
570-203269-29 MSD	IDW-W	TCLP	Water	7470A	493642

Prep Batch: 494547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	TCLP	Solid	3010A	494172
570-203269-2	IGGESV-6	TCLP	Solid	3010A	494172
570-203269-3	GCSTD	TCLP	Solid	3010A	494172
570-203269-4	OTEWSV-4	TCLP	Solid	3010A	494172
LB 570-494172/1-B	Method Blank	TCLP	Solid	3010A	494172
LCS 570-494172/2-B	Lab Control Sample	TCLP	Solid	3010A	494172
LCSD 570-494172/3-B	Lab Control Sample Dup	TCLP	Solid	3010A	494172
570-203269-1 MS	IGGESV-0	TCLP	Solid	3010A	494172
570-203269-1 MSD	IGGESV-0	TCLP	Solid	3010A	494172

Prep Batch: 494592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	TCLP	Solid	7470A	494172
570-203269-2	IGGESV-6	TCLP	Solid	7470A	494172
570-203269-3	GCSTD	TCLP	Solid	7470A	494172
570-203269-4	OTEWSV-4	TCLP	Solid	7470A	494172
LB 570-494172/1-C	Method Blank	TCLP	Solid	7470A	494172
LCS 570-494172/2-C	Lab Control Sample	TCLP	Solid	7470A	494172
LCSD 570-494172/3-C	Lab Control Sample Dup	TCLP	Solid	7470A	494172
570-203269-1 MS	IGGESV-0	TCLP	Solid	7470A	494172

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QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Metals (Continued)

Prep Batch: 494592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1 MSD	IGGESV-0	TCLP	Solid	7470A	494172

Analysis Batch: 494758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	TCLP	Solid	6010B	494547
570-203269-2	IGGESV-6	TCLP	Solid	6010B	494547
570-203269-3	GCSTD	TCLP	Solid	6010B	494547
570-203269-4	OTEWSV-4	TCLP	Solid	6010B	494547
LB 570-494172/1-B	Method Blank	TCLP	Solid	6010B	494547
LCS 570-494172/2-B	Lab Control Sample	TCLP	Solid	6010B	494547
LCSD 570-494172/3-B	Lab Control Sample Dup	TCLP	Solid	6010B	494547
570-203269-1 MS	IGGESV-0	TCLP	Solid	6010B	494547
570-203269-1 MSD	IGGESV-0	TCLP	Solid	6010B	494547

Analysis Batch: 494893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	TCLP	Solid	7470A	494592
570-203269-2	IGGESV-6	TCLP	Solid	7470A	494592
570-203269-3	GCSTD	TCLP	Solid	7470A	494592
570-203269-4	OTEWSV-4	TCLP	Solid	7470A	494592
LB 570-494172/1-C	Method Blank	TCLP	Solid	7470A	494592
LCS 570-494172/2-C	Lab Control Sample	TCLP	Solid	7470A	494592
LCSD 570-494172/3-C	Lab Control Sample Dup	TCLP	Solid	7470A	494592
570-203269-1 MS	IGGESV-0	TCLP	Solid	7470A	494592
570-203269-1 MSD	IGGESV-0	TCLP	Solid	7470A	494592

General Chemistry

Analysis Batch: 493678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-1	IGGESV-0	Total/NA	Solid	2540G	
570-203269-2	IGGESV-6	Total/NA	Solid	2540G	
570-203269-3	GCSTD	Total/NA	Solid	2540G	
570-203269-4	OTEWSV-4	Total/NA	Solid	2540G	
570-203269-5	UOSVB1-S	Total/NA	Solid	2540G	
570-203269-6	UOSVB1-I	Total/NA	Solid	2540G	
570-203269-7	UOSVB1-D	Total/NA	Solid	2540G	
570-203269-8	UOSVB2-S	Total/NA	Solid	2540G	
570-203269-9	UOSVB2-I	Total/NA	Solid	2540G	
570-203269-14	UOSVB4-S	Total/NA	Solid	2540G	
570-203269-16	UOSVB4-D	Total/NA	Solid	2540G	
MB 570-493678/1	Method Blank	Total/NA	Solid	2540G	
570-203269-5 DU	UOSVB1-S	Total/NA	Solid	2540G	

Analysis Batch: 493830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-10	UOSVB2-D	Total/NA	Solid	2540G	
570-203269-11	UOSVB3-S	Total/NA	Solid	2540G	
570-203269-12	UOSVB3-I	Total/NA	Solid	2540G	
570-203269-13	UOSVB3-D	Total/NA	Solid	2540G	
570-203269-15	UOSVB4-I	Total/NA	Solid	2540G	

QC Association Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

General Chemistry (Continued)

Analysis Batch: 493830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-19	EWVB5-I	Total/NA	Solid	2540G	
MB 570-493830/1	Method Blank	Total/NA	Solid	2540G	
570-203269-10 DU	UOSVB2-D	Total/NA	Solid	2540G	

Analysis Batch: 494120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-203269-18	EWVB5-S	Total/NA	Solid	2540G	
570-203269-20	EWVB5-D	Total/NA	Solid	2540G	
570-203269-23	EWVB6-I	Total/NA	Solid	2540G	
570-203269-24	EWVB6-D	Total/NA	Solid	2540G	
570-203269-28	IDW-S	Total/NA	Solid	2540G	
MB 570-494120/1	Method Blank	Total/NA	Solid	2540G	
570-203269-18 DU	EWVB5-S	Total/NA	Solid	2540G	
570-203269-28 DU	IDW-S	Total/NA	Solid	2540G	

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: IGGESV-0

Lab Sample ID: 570-203269-1

Date Collected: 10/15/24 08:20

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.808 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		500	5 g	5 mL	493589	10/21/24 13:45	AJ4K	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			5.03 g	10 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		20	5 mL	5 mL	493290	10/19/24 10:14	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C	DL		10.09 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx	DL	5	10 mL	10 mL	495425	10/25/24 04:41	NR	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			100.08 g	2000 mL	494172	10/22/24 10:21	D2TZ	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	494547	10/23/24 07:39	D2TZ	EET CAL 4
TCLP	Analysis	6010B		1			494758	10/23/24 12:28	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			100.08 g	2000 mL	494172	10/22/24 10:21	D2TZ	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	494592	10/23/24 09:34	VCN7	EET CAL 4
TCLP	Analysis	7470A		1			494893	10/23/24 17:40	BG9Y	EET CAL 4
Instrument ID: HG9										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: IGGESV-6

Lab Sample ID: 570-203269-2

Date Collected: 10/15/24 08:30

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.63 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		500	5 mL	5 mL	494076	10/22/24 14:21	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.0 g	10 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		20	5 mL	5 mL	493290	10/19/24 10:39	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C	DL		5.19 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx	DL	10	10 mL	10 mL	495425	10/25/24 05:02	NR	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			91.22 g	1820 mL	494172	10/22/24 10:21	D2TZ	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	494547	10/23/24 07:39	D2TZ	EET CAL 4
TCLP	Analysis	6010B		1			494758	10/23/24 12:40	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			91.22 g	1820 mL	494172	10/22/24 10:21	D2TZ	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	494592	10/23/24 09:34	VCN7	EET CAL 4
TCLP	Analysis	7470A		1			494893	10/23/24 17:50	BG9Y	EET CAL 4
Instrument ID: HG9										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: GCSTD

Lab Sample ID: 570-203269-3

Date Collected: 10/15/24 08:35

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1.617 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 g	5 mL	492773	10/17/24 22:54	NR	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			1.05 g	10 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		20	5 mL	5 mL	493290	10/19/24 11:03	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C	DL		1.16 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx	DL	10	10 mL	10 mL	495425	10/25/24 05:23	NR	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			45.09 g	900 mL	494172	10/22/24 10:21	D2TZ	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	494547	10/23/24 07:39	D2TZ	EET CAL 4
TCLP	Analysis	6010B		1			494758	10/23/24 12:43	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			45.09 g	900 mL	494172	10/22/24 10:21	D2TZ	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	494592	10/23/24 09:34	VCN7	EET CAL 4
TCLP	Analysis	7470A		1			494893	10/23/24 17:52	BG9Y	EET CAL 4
Instrument ID: HG9										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: OTEWSV-4

Lab Sample ID: 570-203269-4

Date Collected: 10/15/24 08:50

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.239 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 g	5 mL	493589	10/21/24 14:06	AJ4K	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			1.09 g	10 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		20	5 mL	5 mL	493290	10/19/24 11:27	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			1.17 g	10 mL	493094	10/18/24 11:33	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 05:44	NR	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			100.08 g	2000 mL	494172	10/22/24 10:21	D2TZ	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	494547	10/23/24 07:39	D2TZ	EET CAL 4
TCLP	Analysis	6010B		1			494758	10/23/24 12:52	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			100.08 g	2000 mL	494172	10/22/24 10:21	D2TZ	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	494592	10/23/24 09:34	VCN7	EET CAL 4
TCLP	Analysis	7470A		1			494893	10/23/24 17:54	BG9Y	EET CAL 4
Instrument ID: HG9										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB1-S

Lab Sample ID: 570-203269-5

Date Collected: 10/15/24 10:55

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.114 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 g	5 mL	493589	10/21/24 14:27	AJ4K	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			5.16 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 04:37	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.05 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 04:20	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.98 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 12:51	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.53 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:28	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: UOSVB1-I

Lab Sample ID: 570-203269-6

Date Collected: 10/15/24 11:15

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.736 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 g	5 mL	493589	10/21/24 14:49	AJ4K	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			5.04 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 05:01	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.12 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 06:04	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.98 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 12:54	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.52 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:29	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB1-D

Lab Sample ID: 570-203269-7

Date Collected: 10/15/24 12:00

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.164 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 g	5 mL	493589	10/21/24 15:10	AJ4K	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			5.05 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 05:25	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.15 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 06:25	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			2.00 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 12:56	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.53 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:31	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: UOSVB2-S

Lab Sample ID: 570-203269-8

Date Collected: 10/15/24 12:35

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.392 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 g	5 mL	493589	10/21/24 15:31	AJ4K	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			5.12 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 05:49	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.02 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 06:46	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			2.00 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 12:58	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.51 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:33	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB2-I

Lab Sample ID: 570-203269-9

Date Collected: 10/15/24 12:45

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.411 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 g	5 mL	493589	10/21/24 15:52	AJ4K	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			5.03 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 06:14	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.13 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 07:07	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.98 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 13:00	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.50 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:35	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: UOSVB2-D

Lab Sample ID: 570-203269-10

Date Collected: 10/15/24 13:20

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.897 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 g	5 mL	493589	10/21/24 16:13	AJ4K	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			5.08 g	5 mL	495650	10/25/24 11:53	A9VE	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	495695	10/25/24 13:48	A9VE	EET CAL 4
Instrument ID: GC73										
Total/NA	Prep	3550C			10.13 g	10 mL	494834	10/23/24 16:02	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	494909	10/23/24 21:19	NR	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			100.05 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	493541	10/20/24 22:15	XBO9	EET CAL 4
TCLP	Analysis	6010B		1			493897	10/21/24 13:57	P1R	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	3050B			2.00 g	50 mL	493591	10/21/24 07:12	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			493897	10/21/24 15:56	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			100.05 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	493643	10/21/24 08:57	RL6Q	EET CAL 4
TCLP	Analysis	7470A		1			494279	10/22/24 14:00	RL6Q	EET CAL 4
Instrument ID: HG9										
Total/NA	Prep	7471A			0.47 g	50 mL	494177	10/22/24 10:27	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			494147	10/22/24 13:49	RL6Q	EET CAL 4
Instrument ID: HG7										

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB2-D

Lab Sample ID: 570-203269-10

Date Collected: 10/15/24 13:20

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			493830	10/21/24 13:11	TP6R	EET CAL 4

Client Sample ID: UOSVB3-S

Lab Sample ID: 570-203269-11

Date Collected: 10/15/24 14:05

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.262 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 g	5 mL	493589	10/21/24 16:34	AJ4K	EET CAL 4
Instrument ID: GCMSLL										
Total/NA	Prep	5030C			5.07 g	5 mL	494355	10/22/24 15:46	A9VE	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	494365	10/23/24 01:05	A9VE	EET CAL 4
Instrument ID: GC73										
Total/NA	Prep	3550C			10.00 g	10 mL	494834	10/23/24 16:02	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	494909	10/23/24 21:40	NR	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			100.07 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	493541	10/20/24 22:15	XBO9	EET CAL 4
TCLP	Analysis	6010B		1			493897	10/21/24 14:06	P1R	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	3050B			2.00 g	50 mL	493591	10/21/24 07:12	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			493897	10/21/24 15:58	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			100.07 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	493643	10/21/24 08:57	RL6Q	EET CAL 4
TCLP	Analysis	7470A		1			494279	10/22/24 14:02	RL6Q	EET CAL 4
Instrument ID: HG9										
Total/NA	Prep	7471A			0.50 g	50 mL	494177	10/22/24 10:27	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			494147	10/22/24 13:51	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493830	10/21/24 13:11	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: UOSVB3-I

Lab Sample ID: 570-203269-12

Date Collected: 10/15/24 14:35

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.043 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 14:43	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.18 g	5 mL	494355	10/22/24 15:46	A9VE	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	494365	10/23/24 01:24	A9VE	EET CAL 4
Instrument ID: GC73										

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB3-I

Lab Sample ID: 570-203269-12

Date Collected: 10/15/24 14:35

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			10.01 g	10 mL	494834	10/23/24 16:02	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	494909	10/23/24 22:00	NR	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			100.05 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	493541	10/20/24 22:15	XBO9	EET CAL 4
TCLP	Analysis	6010B		1			493897	10/21/24 14:09	P1R	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	3050B			2.00 g	50 mL	493591	10/21/24 07:12	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			493897	10/21/24 16:01	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			100.05 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	493643	10/21/24 08:57	RL6Q	EET CAL 4
TCLP	Analysis	7470A		1			494279	10/22/24 14:04	RL6Q	EET CAL 4
Instrument ID: HG9										
Total/NA	Prep	7471A			0.53 g	50 mL	494177	10/22/24 10:27	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			494147	10/22/24 13:58	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493830	10/21/24 13:11	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: UOSVB3-D

Lab Sample ID: 570-203269-13

Date Collected: 10/15/24 15:35

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.529 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 15:05	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.00 g	5 mL	494355	10/22/24 15:46	A9VE	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	494365	10/23/24 01:43	A9VE	EET CAL 4
Instrument ID: GC73										
Total/NA	Prep	3550C			10.04 g	10 mL	494834	10/23/24 16:02	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	494909	10/23/24 22:21	NR	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			100.05 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	493541	10/20/24 22:15	XBO9	EET CAL 4
TCLP	Analysis	6010B		1			493897	10/21/24 14:11	P1R	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	3050B			1.97 g	50 mL	493591	10/21/24 07:12	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			493897	10/21/24 16:03	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			100.05 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	493643	10/21/24 08:57	RL6Q	EET CAL 4
TCLP	Analysis	7470A		1			494279	10/22/24 14:06	RL6Q	EET CAL 4
Instrument ID: HG9										

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB3-D

Lab Sample ID: 570-203269-13

Date Collected: 10/15/24 15:35

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.49 g	50 mL	494177	10/22/24 10:27	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			494147	10/22/24 14:00	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493830	10/21/24 13:11	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: UOSVB4-S

Lab Sample ID: 570-203269-14

Date Collected: 10/15/24 16:05

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.154 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 15:27	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.07 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 06:38	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C	DL		10.08 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx	DL	10	10 mL	10 mL	496223	10/28/24 02:47	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.99 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 13:03	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.53 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:37	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: UOSVB4-I

Lab Sample ID: 570-203269-15

Date Collected: 10/15/24 16:25

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.588 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 15:50	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.00 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 07:02	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.08 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 07:48	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			2.00 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493180	10/18/24 14:41	VZ0K	EET CAL 4
Instrument ID: ICP10										

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Lab Chronicle

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: UOSVB4-I

Lab Sample ID: 570-203269-15

Date Collected: 10/15/24 16:25

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.48 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:39	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493830	10/21/24 13:11	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: UOSVB4-D

Lab Sample ID: 570-203269-16

Date Collected: 10/15/24 17:45

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.666 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 16:12	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.08 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 07:26	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			9.99 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 08:50	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.96 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 13:28	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.47 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:41	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493678	10/21/24 09:44	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: UOSVB1-W

Lab Sample ID: 570-203269-17

Date Collected: 10/15/24 12:20

Matrix: Water

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	494033	10/22/24 17:42	PT	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	493102	10/18/24 15:01	A9VE	EET CAL 4
Instrument ID: GC75										
Total/NA	Prep	3510C			250.2 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	493475	10/20/24 01:49	E5RH	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3510C	RA		250.2 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx	RA	1	10 mL	10 mL	496223	10/28/24 01:05	NR	EET CAL 4
Instrument ID: GC48										

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: EWVB5-S

Lab Sample ID: 570-203269-18

Date Collected: 10/16/24 07:40

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.401 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 16:34	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			515 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 03:25	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3546			20.43 g	10 mL	493216	10/18/24 18:22	NJX9	EET CAL 4
Total/NA	Analysis	8081A		1	1 mL	1 mL	494951	10/24/24 12:53	N5Y3	EET CAL 4
Instrument ID: GC52A										
Total/NA	Prep	3550C			10.11 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 09:11	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.98 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 13:30	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.50 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:42	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			494120	10/22/24 09:32	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: EWVB5-I

Lab Sample ID: 570-203269-19

Date Collected: 10/16/24 07:50

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.982 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 16:56	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.12 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 07:50	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.06 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 09:31	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.97 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 13:37	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.53 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:48	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			493830	10/21/24 13:11	TP6R	EET CAL 4
Instrument ID: BAL62										

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: EWVB5-D

Lab Sample ID: 570-203269-20

Date Collected: 10/16/24 08:00

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3.624 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 17:18	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.09 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 09:02	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.13 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 09:52	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			2.03 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 13:39	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.53 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:50	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			494120	10/22/24 09:32	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: EWVB5-W

Lab Sample ID: 570-203269-21

Date Collected: 10/16/24 08:25

Matrix: Water

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	494033	10/22/24 18:05	PT	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	493102	10/18/24 15:27	A9VE	EET CAL 4
Instrument ID: GC75										
Total/NA	Prep	3510C			249.9 mL	1 mL	493619	10/21/24 08:16	OAJ3	EET CAL 4
Total/NA	Analysis	8081A		1	1 mL	1 mL	496686	10/29/24 16:15	N5Y3	EET CAL 4
Instrument ID: GC52A										
Total/NA	Prep	3510C			248.7 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	493475	10/20/24 02:10	E5RH	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3510C	RA		248.7 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx	RA	1	10 mL	10 mL	496223	10/28/24 01:25	NR	EET CAL 4
Instrument ID: GC48										

Client Sample ID: EWVB6-I

Lab Sample ID: 570-203269-23

Date Collected: 10/16/24 08:50

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.62 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 17:40	UJHB	EET CAL 4
Instrument ID: GCMSQ										

Lab Chronicle

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: EWVB6-I

Lab Sample ID: 570-203269-23

Date Collected: 10/16/24 08:50

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.18 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 09:26	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.05 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 10:12	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.98 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 13:42	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.50 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:52	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			494120	10/22/24 09:32	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: EWBV6-D

Lab Sample ID: 570-203269-24

Date Collected: 10/16/24 09:00

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.021 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 18:03	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.19 g	5 mL	493235	10/18/24 17:57	W4LC	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	493290	10/19/24 09:50	A9VE	EET CAL 4
Instrument ID: GC56										
Total/NA	Prep	3550C			10.16 g	10 mL	493094	10/18/24 11:34	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	495425	10/25/24 10:33	NR	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.99 g	50 mL	492920	10/18/24 07:08	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5	1.0 mL	1.0 mL	493149	10/18/24 13:44	VZ0K	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.48 g	50 mL	492974	10/18/24 09:30	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493092	10/18/24 15:54	RL6Q	EET CAL 4
Instrument ID: HG7										
Total/NA	Analysis	2540G		1			494120	10/22/24 09:32	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: EWBV6-W

Lab Sample ID: 570-203269-25

Date Collected: 10/16/24 09:20

Matrix: Water

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	494033	10/22/24 18:29	PT	EET CAL 4
Instrument ID: GCMSXX										

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: EWBV6-W

Lab Sample ID: 570-203269-25

Date Collected: 10/16/24 09:20

Matrix: Water

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	493102	10/18/24 19:31	A9VE	EET CAL 4
Total/NA	Prep	3510C			227.8 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx Instrument ID: GC48		1	10 mL	10 mL	493475	10/20/24 02:31	E5RH	EET CAL 4
Total/NA	Prep	3510C	RA		227.8 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx Instrument ID: GC48	RA	1	10 mL	10 mL	496223	10/28/24 01:46	NR	EET CAL 4

Client Sample ID: UOSVB4-W

Lab Sample ID: 570-203269-26

Date Collected: 10/16/24 10:00

Matrix: Water

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C Instrument ID: GCMSXX		1	5 mL	5 mL	494033	10/22/24 18:52	PT	EET CAL 4
Total/NA	Analysis	NWTPH-Gx Instrument ID: GC75		1	5 mL	5 mL	493102	10/18/24 19:57	A9VE	EET CAL 4
Total/NA	Prep	3510C			206.4 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx Instrument ID: GC48		1	10 mL	10 mL	493475	10/20/24 02:51	E5RH	EET CAL 4
Total/NA	Prep	3510C	RA		206.4 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx Instrument ID: GC48	RA	1	10 mL	10 mL	496223	10/28/24 02:06	NR	EET CAL 4

Client Sample ID: UOSVB2-W

Lab Sample ID: 570-203269-27

Date Collected: 10/16/24 10:15

Matrix: Water

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C Instrument ID: GCMSXX		1	5 mL	5 mL	494033	10/22/24 19:15	PT	EET CAL 4
Total/NA	Analysis	NWTPH-Gx Instrument ID: GC75		1	5 mL	5 mL	493102	10/18/24 20:24	A9VE	EET CAL 4
Total/NA	Prep	3510C			201.6 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx Instrument ID: GC48		1	10 mL	10 mL	493475	10/20/24 03:12	E5RH	EET CAL 4
Total/NA	Prep	3510C	RA		201.6 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx Instrument ID: GC48	RA	1	10 mL	10 mL	496223	10/28/24 02:27	NR	EET CAL 4

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: IDW-S

Lab Sample ID: 570-203269-28

Date Collected: 10/16/24 10:20

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.161 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 18:25	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.17 g	5 mL	495161	10/24/24 10:56	A9VE	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	495218	10/24/24 13:29	A9VE	EET CAL 4
Instrument ID: GC73										
Total/NA	Prep	3550C			10.01 g	10 mL	494834	10/23/24 16:02	NV8K	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	494909	10/23/24 22:42	NR	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			100.02 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	493541	10/20/24 22:15	XBO9	EET CAL 4
TCLP	Analysis	6010B		1			493897	10/21/24 14:13	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			100.02 g	2000 mL	492880	10/19/24 23:00	XBO9	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	493643	10/21/24 08:57	RL6Q	EET CAL 4
TCLP	Analysis	7470A		1			494279	10/22/24 14:13	RL6Q	EET CAL 4
Instrument ID: HG9										
Total/NA	Analysis	2540G		1			494120	10/22/24 09:32	TP6R	EET CAL 4
Instrument ID: BAL62										

Client Sample ID: IDW-W

Lab Sample ID: 570-203269-29

Date Collected: 10/16/24 10:30

Matrix: Water

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	494033	10/22/24 19:38	PT	EET CAL 4
Instrument ID: GCMSXX										
Total/NA	Analysis	NWTPH-Gx		1	5 mL	5 mL	493102	10/18/24 20:50	A9VE	EET CAL 4
Instrument ID: GC75										
Total/NA	Prep	3510C			268.7 mL	2.5 mL	493126	10/18/24 13:01	TVD6	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	493475	10/20/24 03:33	E5RH	EET CAL 4
Instrument ID: GC48										
TCLP	Leach	1311			100 g	100 mL	493552	10/21/24 05:16	XBO9	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	493617	10/21/24 07:54	D2TZ	EET CAL 4
TCLP	Analysis	6010B		1			493897	10/21/24 12:24	P1R	EET CAL 4
Instrument ID: ICP10										
TCLP	Leach	1311			100 g	100 mL	493552	10/21/24 05:16	XBO9	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	493642	10/21/24 08:56	RL6Q	EET CAL 4
TCLP	Analysis	7470A		1			494279	10/22/24 13:35	RL6Q	EET CAL 4
Instrument ID: HG9										

Lab Chronicle

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Client Sample ID: EWVB6-S

Lab Sample ID: 570-203269-30

Date Collected: 10/16/24 08:40

Matrix: Solid

Date Received: 10/17/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.697 g	5 mL	492797	10/17/24 17:41	X7LQ	EET CAL 4
Total/NA	Analysis	8260C		1	5 mL	5 mL	494076	10/22/24 18:47	UJHB	EET CAL 4
Instrument ID: GCMSQ										
Total/NA	Prep	5030C			5.07 g	5 mL	494355	10/22/24 15:46	A9VE	EET CAL 4
Total/NA	Analysis	NWTPH-Gx		1	5 g	5 mL	494365	10/22/24 22:54	A9VE	EET CAL 4
Instrument ID: GC73										
Total/NA	Prep	3550C			10.08 g	10 mL	493397	10/19/24 11:25	V3FP	EET CAL 4
Total/NA	Analysis	NWTPH-Dx		1	10 mL	10 mL	493841	10/21/24 19:04	N5Y3	EET CAL 4
Instrument ID: GC48										
Total/NA	Prep	3050B			1.97 g	50 mL	493591	10/21/24 10:00	GYR8	EET CAL 4
Total/NA	Analysis	6010B		5			494001	10/21/24 18:41	P1R	EET CAL 4
Instrument ID: ICP10										
Total/NA	Prep	7471A			0.53 g	50 mL	493683	10/21/24 09:55	VCN7	EET CAL 4
Total/NA	Analysis	7471A		1			493788	10/21/24 12:42	RL6Q	EET CAL 4
Instrument ID: HG8										

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494



Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-25

1

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Method Summary

Client: GHD Services Inc.
Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAL 4
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
8081A	Organochlorine Pesticides (GC)	SW846	EET CAL 4
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
7470A	Mercury (CVAA)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
2540G	Percent Moisture	SM	EET CAL 4
1311	TCLP Extraction	SW846	EET CAL 4
3010A	Preparation, Total Metals	SW846	EET CAL 4
3050B	Preparation, Metals	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
3546	Microwave Extraction	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
5035	Closed System Purge and Trap	SW846	EET CAL 4
7470A	Preparation, Mercury	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: GHD Services Inc.
 Project/Site: Oregon Military Dept - Glass Facility Ta

Job ID: 570-203269-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-203269-1	IGGESV-0	Solid	10/15/24 08:20	10/17/24 09:40
570-203269-2	IGGESV-6	Solid	10/15/24 08:30	10/17/24 09:40
570-203269-3	GCSTD	Solid	10/15/24 08:35	10/17/24 09:40
570-203269-4	OTESV-4	Solid	10/15/24 08:50	10/17/24 09:40
570-203269-5	UOSVB1-S	Solid	10/15/24 10:55	10/17/24 09:40
570-203269-6	UOSVB1-I	Solid	10/15/24 11:15	10/17/24 09:40
570-203269-7	UOSVB1-D	Solid	10/15/24 12:00	10/17/24 09:40
570-203269-8	UOSVB2-S	Solid	10/15/24 12:35	10/17/24 09:40
570-203269-9	UOSVB2-I	Solid	10/15/24 12:45	10/17/24 09:40
570-203269-10	UOSVB2-D	Solid	10/15/24 13:20	10/17/24 09:40
570-203269-11	UOSVB3-S	Solid	10/15/24 14:05	10/17/24 09:40
570-203269-12	UOSVB3-I	Solid	10/15/24 14:35	10/17/24 09:40
570-203269-13	UOSVB3-D	Solid	10/15/24 15:35	10/17/24 09:40
570-203269-14	UOSVB4-S	Solid	10/15/24 16:05	10/17/24 09:40
570-203269-15	UOSVB4-I	Solid	10/15/24 16:25	10/17/24 09:40
570-203269-16	UOSVB4-D	Solid	10/15/24 17:45	10/17/24 09:40
570-203269-17	UOSVB1-W	Water	10/15/24 12:20	10/17/24 09:40
570-203269-18	EWVB5-S	Solid	10/16/24 07:40	10/17/24 09:40
570-203269-19	EWVB5-I	Solid	10/16/24 07:50	10/17/24 09:40
570-203269-20	EWVB5-D	Solid	10/16/24 08:00	10/17/24 09:40
570-203269-21	EWVB5-W	Water	10/16/24 08:25	10/17/24 09:40
570-203269-23	EWVB6-I	Solid	10/16/24 08:50	10/17/24 09:40
570-203269-24	EWVB6-D	Solid	10/16/24 09:00	10/17/24 09:40
570-203269-25	EWVB6-W	Water	10/16/24 09:20	10/17/24 09:40
570-203269-26	UOSVB4-W	Water	10/16/24 10:00	10/17/24 09:40
570-203269-27	UOSVB2-W	Water	10/16/24 10:15	10/17/24 09:40
570-203269-28	IDW-S	Solid	10/16/24 10:20	10/17/24 09:40
570-203269-29	IDW-W	Water	10/16/24 10:30	10/17/24 09:40
570-203269-30	EWVB6-S	Solid	10/16/24 08:40	10/17/24 09:40

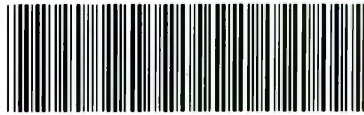




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570-203269 Chain of Custody

Loc: 570
203269

CHAIN-OF-CUSTODY RECORD

DATE: 10/15/24
PAGE: 1 OF 3

LABORATORY CLIENT: GHD					CLIENT PROJECT NAME / NO.: 12631214-0 MD-Glass Facility					P.O. NO.:															
ADDRESS: 2600 Capitol Avenue					PROJECT CONTACT: Krysta Alvarez					LAB CONTACT OR QUOTE NO.:															
CITY: Sacramento		STATE: CA		ZIP: 95816		GLOBAL ID:					LOG CODE:														
TEL: (916) 537-6905		E-MAIL: Krysta.Alvarez@ghd.com			SAMPLER(S) (PRINT): Krysta Alvarez																				
TURNAROUND TIME (Rush surcharges may apply to any TAT not STANDARD): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD																									
EDD: <input type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER																									
SPECIAL INSTRUCTIONS: (4) = 1 8oz soil jar unpreserved + 3 ⁴⁰ mL vials preserved (VOCs) (5) = 2 8oz soil jars unpreserved + 3 ⁴⁰ mL vials preserved (VOCs)																									
REQUESTED ANALYSES Please check box or fill in blank as needed.																									
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	TPH	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> SIM	T22 Metals <input checked="" type="checkbox"/> 6010/1747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	MWTPH 8015 (GAS, PA)	TCLP 1311 and 1312	
		DATE	TIME																						
	IGGESV-0	10/15/24	0820	Solid	(4)	X	X							X							X	X	X		
	IGGESV-6	10/15/24	0830	Solid	(4)	X	X							X							X	X	X		
	GCSTD		0835	Solid	(4)	X	X							X							X	X	X		
	OTEWSV-4		0850	Solid	(5)	X	X							X							X	X	X		
	UOSVB1-S		1055	solid	(4)	X	X							X							X	X			
	UOSVB1-I		1115	solid	(4)	X	X							X							X	X			
	UOSVB1-D		1200	solid	(4)	X	X							X							X	X			
	UOSVB2-S		1235	solid	(4)	X	X							X							X	X			
	UOSVB2-I		1245	solid	(4)	X	X							X							X	X			
	UOSVB2-D		1320	solid	(4)	X	X							X							X	X			
Relinquished by: (Signature)			Date: 12/5		Time: 10/16/24		Received by: (Signature/Affiliation)					Date:		Time:											
Relinquished by: (Signature)			Date:		Time:		Received by: (Signature/Affiliation)					Date: 10/17/24		Time: 0940											
Relinquished by: (Signature)			Date:		Time:		Received by: (Signature/Affiliation)					Date:		Time:											



Environment Testing
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CHAIN-OF-CUSTODY RECORD

DATE: 10/15/24

PAGE: 2 OF 3

LABORATORY CLIENT: <u>GHD</u>					CLIENT PROJECT NAME / NO.: <u>12031214-OM10-Glass Facility</u>					P.O. NO.:													
ADDRESS: <u>2600 Capitol Avenue</u>					PROJECT CONTACT: <u>Krysta Alvarez</u>					LAB CONTACT OR QUOTE NO.:													
CITY: <u>Sacramento</u>		STATE: <u>CA</u>		ZIP: <u>95816</u>		GLOBAL ID:					LOG CODE:												
TEL: <u>(916)537-6905</u>		E-MAIL: <u>krysta.alvarez@ghd.com</u>			SAMPLER(S) (PRINT): <u>Krysta Alvarez</u>																		
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):										REQUESTED ANALYSES Please check box or fill in blank as needed.													
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD																							
EDD: <input checked="" type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER																							
SPECIAL INSTRUCTIONS: <u>(8) = amber preserved (2) + plastic preserved (1) + (5) 40mL vials preserved</u>																							
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	TPH	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input checked="" type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	<u>NWTPH 88015 (6x, 1x, 1x)</u>
		DATE	TIME																				
	<u>U0SVB3-S</u>	<u>10/15/24</u>	<u>1405</u>	<u>solid</u>	<u>(4)</u>	<u>X</u>	<u>X</u>							<u>X</u>							<u>X</u>		<u>X</u>
	<u>U0SVB3-I</u>		<u>1435</u>	<u>solid</u>	<u>(4)</u>	<u>X</u>	<u>X</u>							<u>X</u>							<u>X</u>		<u>X</u>
	<u>U0SVB3-D</u>		<u>1535</u>	<u>solid</u>	<u>(4)</u>	<u>X</u>	<u>X</u>							<u>X</u>							<u>X</u>		<u>X</u>
	<u>U0SVB4-S</u>		<u>1605</u>	<u>solid</u>	<u>(4)</u>	<u>X</u>	<u>X</u>							<u>X</u>							<u>X</u>		<u>X</u>
	<u>U0SVB4-I</u>		<u>1625</u>	<u>solid</u>	<u>(4)</u>	<u>X</u>	<u>X</u>							<u>X</u>							<u>X</u>		<u>X</u>
	<u>U0SVB4-D</u>		<u>1745</u>	<u>solid</u>	<u>(4)</u>	<u>X</u>	<u>X</u>							<u>X</u>							<u>X</u>		<u>X</u>
	<u>U0SVB1-W</u>		<u>1220</u>	<u>water</u>	<u>(8)</u>	<u>X</u>	<u>X</u>							<u>X</u>							<u>X</u>		<u>X</u>
	<u>EWVB5-S</u>	<u>10/16/24</u>	<u>0740</u>	<u>solid</u>	<u>(4)</u>	<u>X</u>	<u>X</u>							<u>X</u>				<u>X</u>			<u>X</u>		<u>X</u>
	<u>EWVB5-I</u>		<u>0750</u>	<u>solid</u>	<u>(4)</u>	<u>X</u>	<u>X</u>							<u>X</u>							<u>X</u>		<u>X</u>
	<u>EWVB5-D</u>		<u>0800</u>	<u>solid</u>	<u>(4)</u>	<u>X</u>	<u>X</u>							<u>X</u>							<u>X</u>		<u>X</u>
Relinquished by: (Signature) <u>[Signature]</u>					Date: <u>12/15</u>		Time: <u>10/16/24</u>		Received by: (Signature/Affiliation) <u>Fedex tracking #817283860647</u>					Date:		Time:							
Relinquished by: (Signature) <u>[Signature]</u>					Date:		Time:		Received by: (Signature/Affiliation) <u>[Signature]</u>					Date: <u>10/17/24</u>		Time: <u>0940</u>							
Relinquished by: (Signature)					Date:		Time:		Received by: (Signature/Affiliation)					Date:		Time:							



Environment Testing
Calscience

2841 Dow Avenue, Suite 100, Tustin, CA 92780 • (714) 895-5494

For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

DATE: 10/16/24

PAGE: 3 OF 3

LABORATORY CLIENT: FHM					CLIENT PROJECT NAME / NO.: 126 31214-OMO-Glass facility					P.O. NO.:															
ADDRESS: 2600 Capitol Avenue					PROJECT CONTACT:					LAB CONTACT OR QUOTE NO.:															
CITY: sacramento		STATE: CA		ZIP: 95816			GLOBAL ID:					LOG CODE:													
TEL: (916)537-6905		E-MAIL: krysta.alvarez@ghd.com			TURNAROUND TIME (Rush surcharges may apply to any TAT not STANDARD): <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD					SAMPLER(S): (PRINT)															
EDD: <input checked="" type="checkbox"/> COELT EDF <input type="checkbox"/> OTHER					REQUESTED ANALYSES																				
SPECIAL INSTRUCTIONS: (10) = 2 amber preserved, 2 amber unpreserved, (pesticides) 1 plastic preserved, 5 (40mL) vials preserved					Please check box or fill in blank as needed.																				
LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO	<input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO	TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44	TPH	BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/>	VOCs (8260)	Oxygenates (8260)	Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM	T22 Metals <input checked="" type="checkbox"/> 6010/747X <input type="checkbox"/> 8020/747X	Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6	NNTM <input checked="" type="checkbox"/> 8015/16/18/20/21, 2X	TCLP <input checked="" type="checkbox"/> 1311	
		DATE	TIME																						
21	EWVB5-W	10/16/24	0825	water	(10)	X	X							X							X		X		
22	EWVB6-S		0840	solid	(4)	X	X							X							X		X		
23	EWVB6-I		0850	solid	(4)	X	X							X							X		X		
24	EWVB6-D		0900	solid	(4)	X	X							X							X		X		
25	EWVB6-W		0920	water	(8)	X	X							X							X		X		
26	UOSVB4-W		1000	water	(8)	X	X							X							X		X		
27	UOSVB2-W		1015	water	(8)	X	X							X							X		X		
28	IDW-S		1020	solid	(4)	X	X							X							X		X	X	
29	IDW-W		1030	water	(8)	X	X							X							X		X	X	
Relinquished by: (Signature)					Date: 12/5		Time: 10/16/24		Received by: (Signature/Affiliation) Fedex Tracking # 817283860647					Date:		Time:									
Relinquished by: (Signature)					Date:		Time:		Received by: (Signature/Affiliation)					Date: 10/17/24		Time: 0940									
Relinquished by: (Signature)					Date:		Time:		Received by: (Signature/Affiliation)					Date:		Time:									

FedEx Express **Package US Airbill**

FedEx Tracking Number **8172 8386 0647**

Form 10 No. **0200**



1A
1B
1C
fedex.com 1.800.GoFedEx 1.800.463.3339

1 From
Date **10/11/24**

Sender's Name _____ Phone _____

Company _____

Address **5000 Capital Avenue** Dept./Floor/Suite/Room _____

City **San Francisco** State **CA** ZIP **94116**

2 Your Internal Billing Reference

3 To
Recipient's Name _____ Phone _____

Company _____

Address **3411 City Parkway** Dept./Floor/Suite/Room _____

Address _____
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address _____
Use this line for the HOLD location address or for continuation of your shipping address.

City **San Francisco** State **CA** ZIP **94116**

4 Express Package Service 570-203269 Waybill

Next Business Day

FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

FedEx Priority Overnight
Next business morning. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

FedEx Standard Overnight
Next business afternoon. Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.

FedEx Envelope* **FedEx Pak***

6 Special Handling and Delivery Signs

Saturday Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or

No Signature Required **Direct Sig**
Package may be left without obtaining a signature for delivery. Someone at n may sign for d

Does this shipment contain dangerous goods?
One box must be checked.

No **Yes** **Yes**
As per attached Shipper's Declaration. Shipper's Declare not required.

Restrictions apply for dangerous goods — see the current FedEx Service C

7 Payment Bill to: Enter FedEx Acct. No. below

Sender **Recipient** **Third Party**
Acct. No. in Section I will be billed.

Total Packages _____ Total Weight _____ lbs.

Your liability is limited to US\$100 unless you declare a higher value. See the...
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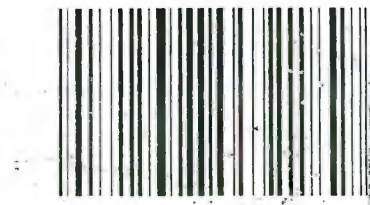


FedEx
8172 8386 0647
WZ DTHA

THU - 17 OCT AA
PRIORITY OVERNIGHT
92780
CA-US
SNA



FedEx
TRK# 8172 8386 0669
WZ DTHA



FedEx
TRK# 8172 8386 0658
WZ DTHA



THU - 17 OCT AA
PRIORITY OVERNIGHT
92780
CA-US
SN.



Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 570-203269-1

Login Number: 203269

List Source: Eurofins Calscience

List Number: 1

Creator: Ovalle, Erick

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