



Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer NE 8th
Work Order Number: 2103165

March 18, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 25 sample(s) on 3/10/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer NE 8th
Work Order: 2103165

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2103165-001	AB-08-18.5	03/09/2021 8:55 AM	03/10/2021 12:52 PM
2103165-002	AB-08-21.5	03/09/2021 9:10 AM	03/10/2021 12:52 PM
2103165-003	AB-08-36.5	03/09/2021 9:15 AM	03/10/2021 12:52 PM
2103165-004	AB-08-38	03/09/2021 9:20 AM	03/10/2021 12:52 PM
2103165-005	AB-08-42	03/09/2021 9:25 AM	03/10/2021 12:52 PM
2103165-006	AB-08-43.5	03/09/2021 9:35 AM	03/10/2021 12:52 PM
2103165-007	AB-08-45	03/09/2021 9:45 AM	03/10/2021 12:52 PM
2103165-008	AB-08-47.5	03/09/2021 10:05 AM	03/10/2021 12:52 PM
2103165-009	AB-08-52	03/09/2021 11:05 AM	03/10/2021 12:52 PM
2103165-010	AB-08-54	03/09/2021 11:00 AM	03/10/2021 12:52 PM
2103165-011	AB-08-61	03/09/2021 11:25 AM	03/10/2021 12:52 PM
2103165-012	AB-08-68	03/09/2021 11:30 AM	03/10/2021 12:52 PM
2103165-013	AB-07-21	03/09/2021 1:25 PM	03/10/2021 12:52 PM
2103165-014	AB-07-27.5	03/09/2021 1:30 PM	03/10/2021 12:52 PM
2103165-015	AB-07-33	03/09/2021 2:00 PM	03/10/2021 12:52 PM
2103165-016	AB-07-36	03/09/2021 2:05 PM	03/10/2021 12:52 PM
2103165-017	AB-07-38.5	03/09/2021 2:10 PM	03/10/2021 12:52 PM
2103165-018	AB-07-42.5	03/09/2021 2:25 PM	03/10/2021 12:52 PM
2103165-019	AB-07-55	03/09/2021 2:50 PM	03/10/2021 12:52 PM
2103165-020	AB-07-57.5	03/09/2021 3:00 PM	03/10/2021 12:52 PM
2103165-021	AB-07-60	03/09/2021 3:05 PM	03/10/2021 12:52 PM
2103165-022	AB-07-64.5	03/09/2021 3:10 PM	03/10/2021 12:52 PM
2103165-023	AB-07-67.5	03/09/2021 3:15 PM	03/10/2021 12:52 PM
2103165-024	AB-07-69	03/09/2021 3:20 PM	03/10/2021 12:52 PM
2103165-025	Trip Blank	03/04/2021 2:54 PM	03/10/2021 12:52 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103165-001

Collection Date: 3/9/2021 8:55:00 AM

Client Sample ID: AB-08-18.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0204		mg/Kg-dry	1	3/11/2021 4:54:01 PM
trans-1,2-Dichloroethene	ND	0.0204		mg/Kg-dry	1	3/11/2021 4:54:01 PM
cis-1,2-Dichloroethene	ND	0.0204		mg/Kg-dry	1	3/11/2021 4:54:01 PM
Trichloroethene (TCE)	ND	0.0204		mg/Kg-dry	1	3/11/2021 4:54:01 PM
Tetrachloroethene (PCE)	ND	0.0204		mg/Kg-dry	1	3/11/2021 4:54:01 PM
Surr: Dibromofluoromethane	95.1	82.3 - 112		%Rec	1	3/11/2021 4:54:01 PM
Surr: Toluene-d8	106	90.7 - 109		%Rec	1	3/11/2021 4:54:01 PM
Surr: 1-Bromo-4-fluorobenzene	98.6	88.4 - 109		%Rec	1	3/11/2021 4:54:01 PM

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	8.21	0.500		wt%	1	3/11/2021 10:04:30 AM
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Lab ID: 2103165-002

Collection Date: 3/9/2021 9:10:00 AM

Client Sample ID: AB-08-21.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31671

Analyst: KT

Vinyl chloride	ND	0.0222		mg/Kg-dry	1	3/16/2021 9:00:38 PM
trans-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	3/16/2021 9:00:38 PM
cis-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	3/16/2021 9:00:38 PM
Trichloroethene (TCE)	ND	0.0222		mg/Kg-dry	1	3/16/2021 9:00:38 PM
Tetrachloroethene (PCE)	0.0276	0.0222		mg/Kg-dry	1	3/16/2021 9:00:38 PM
Surr: Dibromofluoromethane	87.8	82.3 - 112		%Rec	1	3/16/2021 9:00:38 PM
Surr: Toluene-d8	109	90.7 - 109		%Rec	1	3/16/2021 9:00:38 PM
Surr: 1-Bromo-4-fluorobenzene	99.7	88.4 - 109		%Rec	1	3/16/2021 9:00:38 PM

Sample Moisture (Percent Moisture)

Batch ID: R65882

Analyst: OK

Percent Moisture	10.5	0.500		wt%	1	3/16/2021 9:22:17 AM
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Analytical Report

Work Order: 2103165
Date Reported: 3/18/2021

CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103165-003

Collection Date: 3/9/2021 9:15:00 AM

Client Sample ID: AB-08-36.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0189		mg/Kg-dry	1	3/11/2021 5:24:32 PM
trans-1,2-Dichloroethene	ND	0.0189		mg/Kg-dry	1	3/11/2021 5:24:32 PM
cis-1,2-Dichloroethene	ND	0.0189		mg/Kg-dry	1	3/11/2021 5:24:32 PM
Trichloroethene (TCE)	ND	0.0189		mg/Kg-dry	1	3/11/2021 5:24:32 PM
Tetrachloroethene (PCE)	0.0441	0.0189		mg/Kg-dry	1	3/11/2021 5:24:32 PM
Surr: Dibromofluoromethane	95.1	82.3 - 112		%Rec	1	3/11/2021 5:24:32 PM
Surr: Toluene-d8	134	90.7 - 109	S	%Rec	1	3/11/2021 5:24:32 PM
Surr: 1-Bromo-4-fluorobenzene	97.4	88.4 - 109		%Rec	1	3/11/2021 5:24:32 PM

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	10.4	0.500		wt%	1	3/11/2021 10:04:30 AM
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Lab ID: 2103165-004

Collection Date: 3/9/2021 9:20:00 AM

Client Sample ID: AB-08-38

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0239		mg/Kg-dry	1	3/11/2021 5:55:00 PM
trans-1,2-Dichloroethene	ND	0.0239		mg/Kg-dry	1	3/11/2021 5:55:00 PM
cis-1,2-Dichloroethene	ND	0.0239		mg/Kg-dry	1	3/11/2021 5:55:00 PM
Trichloroethene (TCE)	ND	0.0239		mg/Kg-dry	1	3/11/2021 5:55:00 PM
Tetrachloroethene (PCE)	0.187	0.0239		mg/Kg-dry	1	3/11/2021 5:55:00 PM
Surr: Dibromofluoromethane	93.6	82.3 - 112		%Rec	1	3/11/2021 5:55:00 PM
Surr: Toluene-d8	106	90.7 - 109		%Rec	1	3/11/2021 5:55:00 PM
Surr: 1-Bromo-4-fluorobenzene	96.5	88.4 - 109		%Rec	1	3/11/2021 5:55:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	11.5	0.500		wt%	1	3/11/2021 10:04:30 AM
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CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103165-009

Collection Date: 3/9/2021 11:05:00 AM

Client Sample ID: AB-08-52

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0278		mg/Kg-dry	1	3/11/2021 6:55:42 PM
trans-1,2-Dichloroethene	ND	0.0278		mg/Kg-dry	1	3/11/2021 6:55:42 PM
cis-1,2-Dichloroethene	ND	0.0278		mg/Kg-dry	1	3/11/2021 6:55:42 PM
Trichloroethene (TCE)	ND	0.0278		mg/Kg-dry	1	3/11/2021 6:55:42 PM
Tetrachloroethene (PCE)	0.161	0.0278		mg/Kg-dry	1	3/11/2021 6:55:42 PM
Surr: Dibromofluoromethane	94.1	82.3 - 112		%Rec	1	3/11/2021 6:55:42 PM
Surr: Toluene-d8	107	90.7 - 109		%Rec	1	3/11/2021 6:55:42 PM
Surr: 1-Bromo-4-fluorobenzene	97.0	88.4 - 109		%Rec	1	3/11/2021 6:55:42 PM

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	8.16	0.500		wt%	1	3/11/2021 10:04:30 AM
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Lab ID: 2103165-010

Collection Date: 3/9/2021 11:00:00 AM

Client Sample ID: AB-08-54

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0215		mg/Kg-dry	1	3/11/2021 7:26:08 PM
trans-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	3/11/2021 7:26:08 PM
cis-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	3/11/2021 7:26:08 PM
Trichloroethene (TCE)	ND	0.0215		mg/Kg-dry	1	3/11/2021 7:26:08 PM
Tetrachloroethene (PCE)	ND	0.0215		mg/Kg-dry	1	3/11/2021 7:26:08 PM
Surr: Dibromofluoromethane	93.0	82.3 - 112		%Rec	1	3/11/2021 7:26:08 PM
Surr: Toluene-d8	105	90.7 - 109		%Rec	1	3/11/2021 7:26:08 PM
Surr: 1-Bromo-4-fluorobenzene	79.7	88.4 - 109	S	%Rec	1	3/11/2021 7:26:08 PM

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	6.92	0.500		wt%	1	3/11/2021 10:04:30 AM
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CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103165-012

Collection Date: 3/9/2021 11:30:00 AM

Client Sample ID: AB-08-68

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0234		mg/Kg-dry	1	3/11/2021 7:56:29 PM
trans-1,2-Dichloroethene	ND	0.0234		mg/Kg-dry	1	3/11/2021 7:56:29 PM
cis-1,2-Dichloroethene	ND	0.0234		mg/Kg-dry	1	3/11/2021 7:56:29 PM
Trichloroethene (TCE)	ND	0.0234		mg/Kg-dry	1	3/11/2021 7:56:29 PM
Tetrachloroethene (PCE)	ND	0.0234		mg/Kg-dry	1	3/11/2021 7:56:29 PM
Surr: Dibromofluoromethane	94.4	82.3 - 112		%Rec	1	3/11/2021 7:56:29 PM
Surr: Toluene-d8	106	90.7 - 109		%Rec	1	3/11/2021 7:56:29 PM
Surr: 1-Bromo-4-fluorobenzene	96.4	88.4 - 109		%Rec	1	3/11/2021 7:56:29 PM

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	18.9	0.500		wt%	1	3/11/2021 10:04:30 AM
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Lab ID: 2103165-013

Collection Date: 3/9/2021 1:25:00 PM

Client Sample ID: AB-07-21

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0217		mg/Kg-dry	1	3/11/2021 8:26:58 PM
trans-1,2-Dichloroethene	ND	0.0217		mg/Kg-dry	1	3/11/2021 8:26:58 PM
cis-1,2-Dichloroethene	ND	0.0217		mg/Kg-dry	1	3/11/2021 8:26:58 PM
Trichloroethene (TCE)	ND	0.0217		mg/Kg-dry	1	3/11/2021 8:26:58 PM
Tetrachloroethene (PCE)	ND	0.0217		mg/Kg-dry	1	3/11/2021 8:26:58 PM
Surr: Dibromofluoromethane	107	82.3 - 112		%Rec	1	3/11/2021 8:26:58 PM
Surr: Toluene-d8	91.7	90.7 - 109		%Rec	1	3/11/2021 8:26:58 PM
Surr: 1-Bromo-4-fluorobenzene	97.0	88.4 - 109		%Rec	1	3/11/2021 8:26:58 PM

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	10.3	0.500		wt%	1	3/11/2021 10:04:30 AM
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CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103165-014

Collection Date: 3/9/2021 1:30:00 PM

Client Sample ID: AB-07-27.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31671

Analyst: KT

Vinyl chloride	ND	0.0213		mg/Kg-dry	1	3/16/2021 9:30:59 PM
trans-1,2-Dichloroethene	ND	0.0213		mg/Kg-dry	1	3/16/2021 9:30:59 PM
cis-1,2-Dichloroethene	ND	0.0213		mg/Kg-dry	1	3/16/2021 9:30:59 PM
Trichloroethene (TCE)	ND	0.0213		mg/Kg-dry	1	3/16/2021 9:30:59 PM
Tetrachloroethene (PCE)	0.0805	0.0213		mg/Kg-dry	1	3/16/2021 9:30:59 PM
Surr: Dibromofluoromethane	95.6	82.3 - 112		%Rec	1	3/16/2021 9:30:59 PM
Surr: Toluene-d8	93.8	90.7 - 109		%Rec	1	3/16/2021 9:30:59 PM
Surr: 1-Bromo-4-fluorobenzene	101	88.4 - 109		%Rec	1	3/16/2021 9:30:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R65882

Analyst: OK

Percent Moisture	9.20	0.500		wt%	1	3/16/2021 9:22:17 AM
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Lab ID: 2103165-017

Collection Date: 3/9/2021 2:10:00 PM

Client Sample ID: AB-07-38.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0189		mg/Kg-dry	1	3/11/2021 8:57:13 PM
trans-1,2-Dichloroethene	ND	0.0189		mg/Kg-dry	1	3/11/2021 8:57:13 PM
cis-1,2-Dichloroethene	ND	0.0189		mg/Kg-dry	1	3/11/2021 8:57:13 PM
Trichloroethene (TCE)	ND	0.0189		mg/Kg-dry	1	3/11/2021 8:57:13 PM
Tetrachloroethene (PCE)	0.132	0.0189		mg/Kg-dry	1	3/11/2021 8:57:13 PM
Surr: Dibromofluoromethane	105	82.3 - 112		%Rec	1	3/11/2021 8:57:13 PM
Surr: Toluene-d8	91.4	90.7 - 109		%Rec	1	3/11/2021 8:57:13 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	88.4 - 109		%Rec	1	3/11/2021 8:57:13 PM

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	10.1	0.500		wt%	1	3/11/2021 10:04:30 AM
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CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103165-018

Collection Date: 3/9/2021 2:25:00 PM

Client Sample ID: AB-07-42.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0192		mg/Kg-dry	1	3/11/2021 9:27:36 PM
trans-1,2-Dichloroethene	ND	0.0192		mg/Kg-dry	1	3/11/2021 9:27:36 PM
cis-1,2-Dichloroethene	ND	0.0192		mg/Kg-dry	1	3/11/2021 9:27:36 PM
Trichloroethene (TCE)	ND	0.0192		mg/Kg-dry	1	3/11/2021 9:27:36 PM
Tetrachloroethene (PCE)	0.213	0.0192		mg/Kg-dry	1	3/11/2021 9:27:36 PM
Surr: Dibromofluoromethane	102	82.3 - 112		%Rec	1	3/11/2021 9:27:36 PM
Surr: Toluene-d8	94.1	90.7 - 109		%Rec	1	3/11/2021 9:27:36 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	88.4 - 109		%Rec	1	3/11/2021 9:27:36 PM

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	6.44	0.500		wt%	1	3/11/2021 10:04:30 AM
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Lab ID: 2103165-020

Collection Date: 3/9/2021 3:00:00 PM

Client Sample ID: AB-07-57.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0244		mg/Kg-dry	1	3/11/2021 9:57:52 PM
trans-1,2-Dichloroethene	ND	0.0244		mg/Kg-dry	1	3/11/2021 9:57:52 PM
cis-1,2-Dichloroethene	ND	0.0244		mg/Kg-dry	1	3/11/2021 9:57:52 PM
Trichloroethene (TCE)	ND	0.0244		mg/Kg-dry	1	3/11/2021 9:57:52 PM
Tetrachloroethene (PCE)	ND	0.0244		mg/Kg-dry	1	3/11/2021 9:57:52 PM
Surr: Dibromofluoromethane	103	82.3 - 112		%Rec	1	3/11/2021 9:57:52 PM
Surr: Toluene-d8	90.8	90.7 - 109		%Rec	1	3/11/2021 9:57:52 PM
Surr: 1-Bromo-4-fluorobenzene	95.6	88.4 - 109		%Rec	1	3/11/2021 9:57:52 PM

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	7.80	0.500		wt%	1	3/11/2021 10:04:30 AM
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CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103165-023

Collection Date: 3/9/2021 3:15:00 PM

Client Sample ID: AB-07-67.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31628

Analyst: CR

Vinyl chloride	ND	0.0259		mg/Kg-dry	1	3/11/2021 10:28:08 PM
trans-1,2-Dichloroethene	ND	0.0259		mg/Kg-dry	1	3/11/2021 10:28:08 PM
cis-1,2-Dichloroethene	ND	0.0259		mg/Kg-dry	1	3/11/2021 10:28:08 PM
Trichloroethene (TCE)	ND	0.0259		mg/Kg-dry	1	3/11/2021 10:28:08 PM
Tetrachloroethene (PCE)	ND	0.0259		mg/Kg-dry	1	3/11/2021 10:28:08 PM
Surr: Dibromofluoromethane	99.9	82.3 - 112		%Rec	1	3/11/2021 10:28:08 PM
Surr: Toluene-d8	89.9	90.7 - 109	S	%Rec	1	3/11/2021 10:28:08 PM
Surr: 1-Bromo-4-fluorobenzene	100	88.4 - 109		%Rec	1	3/11/2021 10:28:08 PM

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample Moisture (Percent Moisture)

Batch ID: R65794

Analyst: RL

Percent Moisture	16.8	0.500		wt%	1	3/11/2021 10:04:30 AM
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Work Order: 2103165
CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31628	SampType: LCS	Units: mg/Kg	Prep Date: 3/11/2021	RunNo: 65827							
Client ID: LCSS	Batch ID: 31628		Analysis Date: 3/11/2021	SeqNo: 1324581							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	2.17	0.0200	2.000	0	109	80	120				
trans-1,2-Dichloroethene	2.26	0.0200	2.000	0	113	80	120				
cis-1,2-Dichloroethene	1.72	0.0200	2.000	0	86.2	80	120				
Trichloroethene (TCE)	1.98	0.0200	2.000	0	99.1	80	120				
Tetrachloroethene (PCE)	2.08	0.0200	2.000	0	104	80	120				
Surr: Dibromofluoromethane	1.25		1.250		100	80	116				
Surr: Toluene-d8	1.32		1.250		106	84.8	113				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	82.8	113				

Sample ID: MB-31628	SampType: MBLK	Units: mg/Kg	Prep Date: 3/11/2021	RunNo: 65827							
Client ID: MBLKS	Batch ID: 31628		Analysis Date: 3/11/2021	SeqNo: 1324552							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Surr: Dibromofluoromethane	1.33		1.250		107	82.3	112				
Surr: Toluene-d8	1.12		1.250		89.5	90.7	109				S
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		98.0	88.4	109				

NOTES:
S - Outlying surrogate recovery(ies) observed.

Sample ID: 2103165-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/11/2021	RunNo: 65827							
Client ID: AB-08-38	Batch ID: 31628		Analysis Date: 3/11/2021	SeqNo: 1324540							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0239						0		30	
trans-1,2-Dichloroethene	ND	0.0239						0		30	

Work Order: 2103165
CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103165-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/11/2021	RunNo: 65827							
Client ID: AB-08-38	Batch ID: 31628		Analysis Date: 3/11/2021	SeqNo: 1324540							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	ND	0.0239						0		30	
Trichloroethene (TCE)	ND	0.0239						0		30	
Tetrachloroethene (PCE)	0.196	0.0239						0.1867	4.93	30	
Surr: Dibromofluoromethane	1.41		1.494		94.1	82.3	112		0		
Surr: Toluene-d8	1.58		1.494		106	90.7	109		0		
Surr: 1-Bromo-4-fluorobenzene	1.45		1.494		96.9	88.4	109		0		

Sample ID: 2103165-012BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/11/2021	RunNo: 65827							
Client ID: AB-08-68	Batch ID: 31628		Analysis Date: 3/11/2021	SeqNo: 1324544							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.17	0.0234	1.170	0	99.7	49.9	147				
trans-1,2-Dichloroethene	0.845	0.0234	1.170	0	72.2	73.5	130				S
cis-1,2-Dichloroethene	1.16	0.0234	1.170	0.01039	98.0	77.5	127				
Trichloroethene (TCE)	1.33	0.0234	1.170	0	114	70.5	140				
Tetrachloroethene (PCE)	1.02	0.0234	1.170	0	86.9	70.7	131				
Surr: Dibromofluoromethane	1.51		1.463		103	82.3	112				
Surr: Toluene-d8	1.32		1.463		90.0	90.7	109				S
Surr: 1-Bromo-4-fluorobenzene	1.46		1.463		100	88.4	109				

NOTES:

- S - Outlying spike recovery observed (low bias).
- S - Outlying surrogate recovery(ies) observed.

Sample ID: LCS-31671	SampType: LCS	Units: mg/Kg	Prep Date: 3/16/2021	RunNo: 65914							
Client ID: LCSS	Batch ID: 31671		Analysis Date: 3/16/2021	SeqNo: 1326416							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.930	0.0200	1.000	0	93.0	80	120				
trans-1,2-Dichloroethene	1.02	0.0200	1.000	0	102	80	120				
cis-1,2-Dichloroethene	0.832	0.0200	1.000	0	83.2	80	120				

Work Order: 2103165
CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31671	SampType: LCS	Units: mg/Kg	Prep Date: 3/16/2021	RunNo: 65914							
Client ID: LCSS	Batch ID: 31671		Analysis Date: 3/16/2021	SeqNo: 1326416							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	1.09	0.0200	1.000	0	109	80	120				
Tetrachloroethene (PCE)	0.805	0.0200	1.000	0	80.5	80	120				
Surr: Dibromofluoromethane	1.35		1.250		108	80	120				
Surr: Toluene-d8	0.976		1.250		78.1	80	120				S
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	80	120				

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample ID: MB-31671	SampType: MBLK	Units: mg/Kg	Prep Date: 3/16/2021	RunNo: 65914							
Client ID: MBLKS	Batch ID: 31671		Analysis Date: 3/16/2021	SeqNo: 1326417							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Surr: Dibromofluoromethane	1.22		1.250		97.9	82.3	112				
Surr: Toluene-d8	1.17		1.250		93.5	90.7	109				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.4	88.4	109				

Sample ID: 2103165-014BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/16/2021	RunNo: 65914							
Client ID: AB-07-27.5	Batch ID: 31671		Analysis Date: 3/16/2021	SeqNo: 1326406							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0220						0		30	
trans-1,2-Dichloroethene	ND	0.0220						0		30	
cis-1,2-Dichloroethene	ND	0.0220						0		30	
Trichloroethene (TCE)	ND	0.0220						0		30	
Tetrachloroethene (PCE)	0.0743	0.0220						0.08052	8.05	30	

Work Order: 2103165
CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103165-014BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/16/2021	RunNo: 65914							
Client ID: AB-07-27.5	Batch ID: 31671		Analysis Date: 3/16/2021	SeqNo: 1326406							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	1.46		1.376		106	82.3	112		0		
Surr: Toluene-d8	1.16		1.376		84.2	90.7	109		0		S
Surr: 1-Bromo-4-fluorobenzene	1.35		1.376		98.0	88.4	109		0		

NOTES:
S - Outlying surrogate recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Sample ID: 2103254-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/16/2021	RunNo: 65914							
Client ID: BATCH	Batch ID: 31671		Analysis Date: 3/17/2021	SeqNo: 1326411							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.0247						0		30	
trans-1,2-Dichloroethene	ND	0.0247						0		30	
cis-1,2-Dichloroethene	ND	0.0247						0		30	
Trichloroethene (TCE)	ND	0.0247						0		30	
Tetrachloroethene (PCE)	ND	0.0247						0		30	
Surr: Dibromofluoromethane	1.66		1.547		107	82.3	112		0		
Surr: Toluene-d8	1.31		1.547		85.0	90.7	109		0		S
Surr: 1-Bromo-4-fluorobenzene	1.54		1.547		99.8	88.4	109		0		

NOTES:
S - Outlying surrogate recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Sample ID: 2103165-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/16/2021	RunNo: 65914							
Client ID: AB-08-21.5	Batch ID: 31671		Analysis Date: 3/17/2021	SeqNo: 1326404							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	1.17	0.0222	1.109	0	105	49.9	147				
trans-1,2-Dichloroethene	1.31	0.0222	1.109	0	118	73.5	130				
cis-1,2-Dichloroethene	1.13	0.0222	1.109	0	102	77.5	127				
Trichloroethene (TCE)	1.13	0.0222	1.109	0	102	70.5	140				
Tetrachloroethene (PCE)	1.32	0.0222	1.109	0.02765	117	70.7	131				
Surr: Dibromofluoromethane	1.35		1.387		97.3	82.3	112				

Work Order: 2103165
CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103165-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/16/2021	RunNo: 65914							
Client ID: AB-08-21.5	Batch ID: 31671		Analysis Date: 3/17/2021	SeqNo: 1326404							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	1.53		1.387		110	90.7	109				S
Surr: 1-Bromo-4-fluorobenzene	1.11		1.387		79.7	88.4	109				S

NOTES:
 S - Outlying surrogate recovery(ies) observed.

Client Name: **AC**

 Work Order Number: **2103165**

 Logged by: **Gabrielle Coeuille**

 Date Received: **3/10/2021 12:52:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	1.2
Temp Blank 1	4.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/10/21 Page: 2 of 3

Project Name: *Schmitz at 8th*

Project No: 190298

Collected by: *JRS*

Location:

Report To (PM): *All Colson*

PM Email:

Laboratory Project No (Internal): *203105*
Special Remarks:
Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: *Aspect Consulting*
Address:
City, State, Zip:
Telephone: *316 617 0499*
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DW)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 AB-D8-61	3/9/21	1125	Soil	3													Hold
2 AB-D8-68		1130															
3 AB-07-21		1325															
4 AB-07-27.5		1330															
5 AB-07-33		1400															
6 AB-07-36		1405															
7 AB-07-38.5		1410															
8 AB-07-42.5		1425															
9 AB-07-55		1450															
10 AB-07-57.5		1500															

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) *[Signature]* Print Name *David Brock* Date/Time *3/10/21 1223*
 Relinquished (Signature) *[Signature]* Print Name *Ryan Stahl* Date/Time *3/10/21 1252*



3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/10/21 Page: 2 of 3

Project Name: *Schmitz at 8th*

Project No: 190298

Collected by: *JRS*

Location:

Report To (PM): *All Colson*

PM Email:

Laboratory Project No (Internal): *203105*

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: *Aspect Consulting*

City, State, Zip: *316 617 0499*

Telephone: *316 617 0499*

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DW)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 602 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 AB-08-61	3/9/21	1125	Soil	3													Hold
2 AB-08-68		1130															
3 AB-07-21		1325															
4 AB-07-27.5		1330															
5 AB-07-33		1400															
6 AB-07-36		1405															
7 AB-07-38.5		1410															
8 AB-07-42.5		1425															
9 AB-07-55		1450															
10 AB-07-57.5		1500															

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Metals (Circle): MICA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature) *[Signature]* Print Name *David Brock* Date/Time *3/10/21 1223*

Relinquished (Signature) *[Signature]* Print Name *Ryan Stahl* Date/Time *3/10/21 1252*



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/10/21 Page: 2 of 3

Project Name: *Schmitz at 8th*

Project No: 190298

Collected by: *JRS*

Location:

Report To (PM): *All Colson*

PM Email:

Laboratory Project No (Internal): *203105*
Special Remarks:
Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: *Aspect Consulting*

Address:

City, State, Zip:

Telephone: *316 617 0499*

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DW)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 AB-08-61	3/9/21	1125	Soil	3													Hold
2 AB-08-68		1130															
3 AB-07-21		1325															
4 AB-07-27.5		1330															
5 AB-07-33		1400															
6 AB-07-36		1405															
7 AB-07-38.5		1410															
8 AB-07-42.5		1425															
9 AB-07-55		1450															
10 AB-07-57.5		1500															

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature) *[Signature]* Print Name *David Brock* Date/Time *3/10/21 1223*
 Relinquished (Signature) *[Signature]* Print Name *Ryan Stahl* Date/Time *3/10/21 1252*



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

**RE: Schnitzer NE 8th
Work Order Number: 2103166**

March 23, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 24 sample(s) on 3/10/2021 for the analyses presented in the following report.

***Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer NE 8th
Work Order: 2103166

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2103166-001	AB-09-18.5	03/10/2021 9:00 AM	03/10/2021 12:52 PM
2103166-002	AB-09-22.5	03/10/2021 9:15 AM	03/10/2021 12:52 PM
2103166-003	AB-09-29	03/10/2021 9:10 AM	03/10/2021 12:52 PM
2103166-004	AB-09-31.5	03/11/2021 9:00 AM	03/11/2021 3:00 PM
2103166-005	AB-09-34	03/11/2021 9:05 AM	03/11/2021 3:00 PM
2103166-006	AB-09-36.5	03/11/2021 9:15 AM	03/11/2021 3:00 PM
2103166-007	AB-09-38.5	03/11/2021 9:20 AM	03/11/2021 3:00 PM
2103166-008	AB-09-41	03/11/2021 9:25 AM	03/11/2021 3:00 PM
2103166-009	AB-09-52	03/11/2021 9:35 AM	03/11/2021 3:00 PM
2103166-010	AB-09-54	03/11/2021 9:40 AM	03/11/2021 3:00 PM
2103166-011	AB-09-59	03/11/2021 9:45 AM	03/11/2021 3:00 PM
2103166-012	AB-10-16.5	03/11/2021 10:35 AM	03/11/2021 3:00 PM
2103166-013	AB-10-22	03/11/2021 10:45 AM	03/11/2021 3:00 PM
2103166-014	AB-10-34	03/11/2021 11:05 AM	03/11/2021 3:00 PM
2103166-015	AB-10-39	03/11/2021 11:10 AM	03/11/2021 3:00 PM
2103166-016	AB-10-42	03/11/2021 11:35 AM	03/11/2021 3:00 PM
2103166-017	AB-10-45	03/11/2021 11:40 AM	03/11/2021 3:00 PM
2103166-018	AB-10-49	03/11/2021 11:30 AM	03/11/2021 3:00 PM
2103166-019	AB-10-52	03/11/2021 12:20 PM	03/11/2021 3:00 PM
2103166-020	AB-10-55	03/11/2021 12:25 PM	03/11/2021 3:00 PM
2103166-021	AB-10-59	03/11/2021 12:15 PM	03/11/2021 3:00 PM
2103166-022	AB-10-61.5	03/11/2021 12:30 PM	03/11/2021 3:00 PM
2103166-023	AB-10-67.5	03/11/2021 12:40 PM	03/11/2021 3:00 PM
2103166-024	Trip Blank	03/04/2021 2:54 PM	03/11/2021 3:00 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

3/23/21: Revision 1 includes additional analyses requested by client.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103166-001

Collection Date: 3/10/2021 9:00:00 AM

Client Sample ID: AB-09-18.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31639

Analyst: CR

Vinyl chloride	ND	0.0263		mg/Kg-dry	1	3/12/2021 10:54:43 PM
trans-1,2-Dichloroethene	ND	0.0263		mg/Kg-dry	1	3/12/2021 10:54:43 PM
cis-1,2-Dichloroethene	ND	0.0263		mg/Kg-dry	1	3/12/2021 10:54:43 PM
Trichloroethene (TCE)	ND	0.0263		mg/Kg-dry	1	3/12/2021 10:54:43 PM
Tetrachloroethene (PCE)	ND	0.0263		mg/Kg-dry	1	3/12/2021 10:54:43 PM
Surr: Dibromofluoromethane	90.7	82.3 - 112		%Rec	1	3/12/2021 10:54:43 PM
Surr: Toluene-d8	101	90.7 - 109		%Rec	1	3/12/2021 10:54:43 PM
Surr: 1-Bromo-4-fluorobenzene	96.2	88.4 - 109		%Rec	1	3/12/2021 10:54:43 PM

Sample Moisture (Percent Moisture)

Batch ID: R65828

Analyst: RL

Percent Moisture	9.01	0.500		wt%	1	3/12/2021 9:51:15 AM
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Lab ID: 2103166-002

Collection Date: 3/10/2021 9:15:00 AM

Client Sample ID: AB-09-22.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31639

Analyst: CR

Vinyl chloride	ND	0.0218		mg/Kg-dry	1	3/12/2021 11:25:01 PM
trans-1,2-Dichloroethene	ND	0.0218		mg/Kg-dry	1	3/12/2021 11:25:01 PM
cis-1,2-Dichloroethene	ND	0.0218		mg/Kg-dry	1	3/12/2021 11:25:01 PM
Trichloroethene (TCE)	ND	0.0218		mg/Kg-dry	1	3/12/2021 11:25:01 PM
Tetrachloroethene (PCE)	0.0390	0.0218		mg/Kg-dry	1	3/12/2021 11:25:01 PM
Surr: Dibromofluoromethane	89.7	82.3 - 112		%Rec	1	3/12/2021 11:25:01 PM
Surr: Toluene-d8	100	90.7 - 109		%Rec	1	3/12/2021 11:25:01 PM
Surr: 1-Bromo-4-fluorobenzene	96.5	88.4 - 109		%Rec	1	3/12/2021 11:25:01 PM

Sample Moisture (Percent Moisture)

Batch ID: R65828

Analyst: RL

Percent Moisture	7.00	0.500		wt%	1	3/12/2021 9:51:15 AM
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Analytical Report

Work Order: 2103166
Date Reported: 3/23/2021

CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103166-006

Collection Date: 3/11/2021 9:15:00 AM

Client Sample ID: AB-09-36.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31639

Analyst: CR

Vinyl chloride	ND	0.0195		mg/Kg-dry	1	3/12/2021 11:55:18 PM
trans-1,2-Dichloroethene	ND	0.0195		mg/Kg-dry	1	3/12/2021 11:55:18 PM
cis-1,2-Dichloroethene	ND	0.0195		mg/Kg-dry	1	3/12/2021 11:55:18 PM
Trichloroethene (TCE)	ND	0.0195		mg/Kg-dry	1	3/12/2021 11:55:18 PM
Tetrachloroethene (PCE)	0.0559	0.0195		mg/Kg-dry	1	3/12/2021 11:55:18 PM
Surr: Dibromofluoromethane	82.1	82.3 - 112	S	%Rec	1	3/12/2021 11:55:18 PM
Surr: Toluene-d8	99.2	90.7 - 109		%Rec	1	3/12/2021 11:55:18 PM
Surr: 1-Bromo-4-fluorobenzene	96.4	88.4 - 109		%Rec	1	3/12/2021 11:55:18 PM

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample Moisture (Percent Moisture)

Batch ID: R65828

Analyst: RL

Percent Moisture	9.22	0.500		wt%	1	3/12/2021 9:51:15 AM
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Lab ID: 2103166-008

Collection Date: 3/11/2021 9:25:00 AM

Client Sample ID: AB-09-41

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31639

Analyst: CR

Vinyl chloride	ND	0.0231		mg/Kg-dry	1	3/13/2021 12:25:32 AM
trans-1,2-Dichloroethene	ND	0.0231		mg/Kg-dry	1	3/13/2021 12:25:32 AM
cis-1,2-Dichloroethene	ND	0.0231		mg/Kg-dry	1	3/13/2021 12:25:32 AM
Trichloroethene (TCE)	ND	0.0231		mg/Kg-dry	1	3/13/2021 12:25:32 AM
Tetrachloroethene (PCE)	0.0737	0.0231		mg/Kg-dry	1	3/13/2021 12:25:32 AM
Surr: Dibromofluoromethane	79.9	82.3 - 112	S	%Rec	1	3/13/2021 12:25:32 AM
Surr: Toluene-d8	99.6	90.7 - 109		%Rec	1	3/13/2021 12:25:32 AM
Surr: 1-Bromo-4-fluorobenzene	96.5	88.4 - 109		%Rec	1	3/13/2021 12:25:32 AM

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample Moisture (Percent Moisture)

Batch ID: R65828

Analyst: RL

Percent Moisture	7.38	0.500		wt%	1	3/12/2021 9:51:15 AM
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CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103166-009

Collection Date: 3/11/2021 9:35:00 AM

Client Sample ID: AB-09-52

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 31639		Analyst: CR
Vinyl chloride	ND	0.0232		mg/Kg-dry	1	3/13/2021 1:26:11 AM
trans-1,2-Dichloroethene	ND	0.0232		mg/Kg-dry	1	3/13/2021 1:26:11 AM
cis-1,2-Dichloroethene	ND	0.0232		mg/Kg-dry	1	3/13/2021 1:26:11 AM
Trichloroethene (TCE)	ND	0.0232		mg/Kg-dry	1	3/13/2021 1:26:11 AM
Tetrachloroethene (PCE)	0.198	0.0232		mg/Kg-dry	1	3/13/2021 1:26:11 AM
Surr: Dibromofluoromethane	90.7	82.3 - 112		%Rec	1	3/13/2021 1:26:11 AM
Surr: Toluene-d8	102	90.7 - 109		%Rec	1	3/13/2021 1:26:11 AM
Surr: 1-Bromo-4-fluorobenzene	97.2	88.4 - 109		%Rec	1	3/13/2021 1:26:11 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R65828		Analyst: RL
Percent Moisture	7.78	0.500		wt%	1	3/12/2021 9:51:15 AM

Lab ID: 2103166-011

Collection Date: 3/11/2021 9:45:00 AM

Client Sample ID: AB-09-59

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 31639		Analyst: CR
Vinyl chloride	ND	0.0222		mg/Kg-dry	1	3/13/2021 1:56:24 AM
trans-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	3/13/2021 1:56:24 AM
cis-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	3/13/2021 1:56:24 AM
Trichloroethene (TCE)	ND	0.0222		mg/Kg-dry	1	3/13/2021 1:56:24 AM
Tetrachloroethene (PCE)	ND	0.0222		mg/Kg-dry	1	3/13/2021 1:56:24 AM
Surr: Dibromofluoromethane	85.5	82.3 - 112		%Rec	1	3/13/2021 1:56:24 AM
Surr: Toluene-d8	101	90.7 - 109		%Rec	1	3/13/2021 1:56:24 AM
Surr: 1-Bromo-4-fluorobenzene	96.4	88.4 - 109		%Rec	1	3/13/2021 1:56:24 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R65828		Analyst: RL
Percent Moisture	7.14	0.500		wt%	1	3/12/2021 9:51:15 AM



CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103166-012

Collection Date: 3/11/2021 10:35:00 AM

Client Sample ID: AB-10-16.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31639

Analyst: CR

Vinyl chloride	ND	0.0209		mg/Kg-dry	1	3/13/2021 2:26:41 AM
trans-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	3/13/2021 2:26:41 AM
cis-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	3/13/2021 2:26:41 AM
Trichloroethene (TCE)	ND	0.0209		mg/Kg-dry	1	3/13/2021 2:26:41 AM
Tetrachloroethene (PCE)	ND	0.0209		mg/Kg-dry	1	3/13/2021 2:26:41 AM
Surr: Dibromofluoromethane	91.5	82.3 - 112		%Rec	1	3/13/2021 2:26:41 AM
Surr: Toluene-d8	103	90.7 - 109		%Rec	1	3/13/2021 2:26:41 AM
Surr: 1-Bromo-4-fluorobenzene	97.0	88.4 - 109		%Rec	1	3/13/2021 2:26:41 AM

Sample Moisture (Percent Moisture)

Batch ID: R65828

Analyst: RL

Percent Moisture	8.10	0.500		wt%	1	3/12/2021 9:51:15 AM
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Lab ID: 2103166-013

Collection Date: 3/11/2021 10:45:00 AM

Client Sample ID: AB-10-22

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31639

Analyst: CR

Vinyl chloride	ND	0.0206		mg/Kg-dry	1	3/13/2021 2:56:57 AM
trans-1,2-Dichloroethene	ND	0.0206		mg/Kg-dry	1	3/13/2021 2:56:57 AM
cis-1,2-Dichloroethene	ND	0.0206		mg/Kg-dry	1	3/13/2021 2:56:57 AM
Trichloroethene (TCE)	ND	0.0206		mg/Kg-dry	1	3/13/2021 2:56:57 AM
Tetrachloroethene (PCE)	ND	0.0206		mg/Kg-dry	1	3/13/2021 2:56:57 AM
Surr: Dibromofluoromethane	86.2	82.3 - 112		%Rec	1	3/13/2021 2:56:57 AM
Surr: Toluene-d8	101	90.7 - 109		%Rec	1	3/13/2021 2:56:57 AM
Surr: 1-Bromo-4-fluorobenzene	96.2	88.4 - 109		%Rec	1	3/13/2021 2:56:57 AM

Sample Moisture (Percent Moisture)

Batch ID: R65828

Analyst: RL

Percent Moisture	10.8	0.500		wt%	1	3/12/2021 9:51:15 AM
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CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103166-014

Collection Date: 3/11/2021 11:05:00 AM

Client Sample ID: AB-10-34

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31639

Analyst: CR

Vinyl chloride	ND	0.0184		mg/Kg-dry	1	3/13/2021 3:27:14 AM
trans-1,2-Dichloroethene	ND	0.0184		mg/Kg-dry	1	3/13/2021 3:27:14 AM
cis-1,2-Dichloroethene	ND	0.0184		mg/Kg-dry	1	3/13/2021 3:27:14 AM
Trichloroethene (TCE)	ND	0.0184		mg/Kg-dry	1	3/13/2021 3:27:14 AM
Tetrachloroethene (PCE)	ND	0.0184		mg/Kg-dry	1	3/13/2021 3:27:14 AM
Surr: Dibromofluoromethane	87.6	82.3 - 112		%Rec	1	3/13/2021 3:27:14 AM
Surr: Toluene-d8	101	90.7 - 109		%Rec	1	3/13/2021 3:27:14 AM
Surr: 1-Bromo-4-fluorobenzene	97.9	88.4 - 109		%Rec	1	3/13/2021 3:27:14 AM

Sample Moisture (Percent Moisture)

Batch ID: R65828

Analyst: RL

Percent Moisture	8.12	0.500		wt%	1	3/12/2021 9:51:15 AM
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Lab ID: 2103166-016

Collection Date: 3/11/2021 11:35:00 AM

Client Sample ID: AB-10-42

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31639

Analyst: CR

Vinyl chloride	ND	0.0212		mg/Kg-dry	1	3/13/2021 3:57:30 AM
trans-1,2-Dichloroethene	ND	0.0212		mg/Kg-dry	1	3/13/2021 3:57:30 AM
cis-1,2-Dichloroethene	ND	0.0212		mg/Kg-dry	1	3/13/2021 3:57:30 AM
Trichloroethene (TCE)	ND	0.0212		mg/Kg-dry	1	3/13/2021 3:57:30 AM
Tetrachloroethene (PCE)	0.0906	0.0212		mg/Kg-dry	1	3/13/2021 3:57:30 AM
Surr: Dibromofluoromethane	89.5	82.3 - 112		%Rec	1	3/13/2021 3:57:30 AM
Surr: Toluene-d8	102	90.7 - 109		%Rec	1	3/13/2021 3:57:30 AM
Surr: 1-Bromo-4-fluorobenzene	98.2	88.4 - 109		%Rec	1	3/13/2021 3:57:30 AM

Sample Moisture (Percent Moisture)

Batch ID: R65828

Analyst: RL

Percent Moisture	6.90	0.500		wt%	1	3/12/2021 9:51:15 AM
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CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103166-018

Collection Date: 3/11/2021 11:30:00 AM

Client Sample ID: AB-10-49

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31639

Analyst: CR

Vinyl chloride	ND	0.0209		mg/Kg-dry	1	3/13/2021 4:27:41 AM
trans-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	3/13/2021 4:27:41 AM
cis-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	3/13/2021 4:27:41 AM
Trichloroethene (TCE)	ND	0.0209		mg/Kg-dry	1	3/13/2021 4:27:41 AM
Tetrachloroethene (PCE)	0.0678	0.0209		mg/Kg-dry	1	3/13/2021 4:27:41 AM
Surr: Dibromofluoromethane	86.2	82.3 - 112		%Rec	1	3/13/2021 4:27:41 AM
Surr: Toluene-d8	102	90.7 - 109		%Rec	1	3/13/2021 4:27:41 AM
Surr: 1-Bromo-4-fluorobenzene	96.3	88.4 - 109		%Rec	1	3/13/2021 4:27:41 AM

Sample Moisture (Percent Moisture)

Batch ID: R65828

Analyst: RL

Percent Moisture	7.52	0.500		wt%	1	3/12/2021 9:51:15 AM
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Lab ID: 2103166-019

Collection Date: 3/11/2021 12:20:00 PM

Client Sample ID: AB-10-52

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31727

Analyst: CR

Vinyl chloride	ND	0.0169		mg/Kg-dry	1	3/23/2021 1:14:17 PM
trans-1,2-Dichloroethene	ND	0.0169		mg/Kg-dry	1	3/23/2021 1:14:17 PM
cis-1,2-Dichloroethene	ND	0.0169		mg/Kg-dry	1	3/23/2021 1:14:17 PM
Trichloroethene (TCE)	ND	0.0169		mg/Kg-dry	1	3/23/2021 1:14:17 PM
Tetrachloroethene (PCE)	0.0643	0.0169		mg/Kg-dry	1	3/23/2021 1:14:17 PM
Surr: Dibromofluoromethane	105	82.3 - 112		%Rec	1	3/23/2021 1:14:17 PM
Surr: Toluene-d8	94.5	90.7 - 109		%Rec	1	3/23/2021 1:14:17 PM
Surr: 1-Bromo-4-fluorobenzene	94.6	88.4 - 109		%Rec	1	3/23/2021 1:14:17 PM

Sample Moisture (Percent Moisture)

Batch ID: R66039

Analyst: RL

Percent Moisture	10.6	0.500		wt%	1	3/23/2021 11:45:00 AM
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CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

Lab ID: 2103166-022

Collection Date: 3/11/2021 12:30:00 PM

Client Sample ID: AB-10-61.5

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 31639		Analyst: CR
Vinyl chloride	ND	0.0258		mg/Kg-dry	1	3/13/2021 4:57:58 AM
trans-1,2-Dichloroethene	ND	0.0258		mg/Kg-dry	1	3/13/2021 4:57:58 AM
cis-1,2-Dichloroethene	ND	0.0258		mg/Kg-dry	1	3/13/2021 4:57:58 AM
Trichloroethene (TCE)	ND	0.0258		mg/Kg-dry	1	3/13/2021 4:57:58 AM
Tetrachloroethene (PCE)	0.114	0.0258		mg/Kg-dry	1	3/13/2021 4:57:58 AM
Surr: Dibromofluoromethane	88.0	82.3 - 112		%Rec	1	3/13/2021 4:57:58 AM
Surr: Toluene-d8	101	90.7 - 109		%Rec	1	3/13/2021 4:57:58 AM
Surr: 1-Bromo-4-fluorobenzene	96.9	88.4 - 109		%Rec	1	3/13/2021 4:57:58 AM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R65828		Analyst: RL
Percent Moisture	14.7	0.500		wt%	1	3/12/2021 9:51:15 AM

Work Order: 2103166
CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31639	SampType: LCS	Units: mg/Kg	Prep Date: 3/12/2021	RunNo: 65854							
Client ID: LCSS	Batch ID: 31639		Analysis Date: 3/12/2021	SeqNo: 1325242							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.23	0.0200	1.000	0	123	80	120				S
trans-1,2-Dichloroethene	0.873	0.0200	1.000	0	87.3	80	120				
cis-1,2-Dichloroethene	0.939	0.0200	1.000	0	93.9	80	120				
Trichloroethene (TCE)	0.995	0.0200	1.000	0	99.5	80	120				
Tetrachloroethene (PCE)	0.958	0.0200	1.000	0	95.8	80	120				
Surr: Dibromofluoromethane	1.24		1.250		99.4	80	120				
Surr: Toluene-d8	1.26		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	80	120				

NOTES:

S - Outlying spike recovery observed (high bias). Samples are non-detect for this analyte; no further action required.

Sample ID: MB-31639	SampType: MBLK	Units: mg/Kg	Prep Date: 3/12/2021	RunNo: 65854							
Client ID: MBLKS	Batch ID: 31639		Analysis Date: 3/12/2021	SeqNo: 1325243							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Surr: Dibromofluoromethane	1.28		1.250		102	82.3	112				
Surr: Toluene-d8	1.07		1.250		85.7	90.7	109				S
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	88.4	109				

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample ID: 2103166-008BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/12/2021	RunNo: 65854							
Client ID: AB-09-41	Batch ID: 31639		Analysis Date: 3/13/2021	SeqNo: 1325229							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0231						0		30	

Work Order: 2103166
CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103166-008BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 3/12/2021		RunNo: 65854			
Client ID: AB-09-41		Batch ID: 31639				Analysis Date: 3/13/2021		SeqNo: 1325229			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0231						0		30	
cis-1,2-Dichloroethene	ND	0.0231						0		30	
Trichloroethene (TCE)	ND	0.0231						0		30	
Tetrachloroethene (PCE)	0.0824	0.0231						0.07375	11.1	30	
Surr: Dibromofluoromethane	1.29		1.447		89.2	82.3	112		0		
Surr: Toluene-d8	1.46		1.447		101	90.7	109		0		
Surr: 1-Bromo-4-fluorobenzene	1.43		1.447		99.0	88.4	109		0		

Sample ID: 2103166-013BMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 3/12/2021		RunNo: 65854			
Client ID: AB-10-22		Batch ID: 31639				Analysis Date: 3/13/2021		SeqNo: 1325234			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.804	0.0206	1.029	0	78.1	49.9	147				
trans-1,2-Dichloroethene	1.04	0.0206	1.029	0	101	73.5	130				
cis-1,2-Dichloroethene	0.957	0.0206	1.029	0	93.0	77.5	127				
Trichloroethene (TCE)	1.18	0.0206	1.029	0	114	70.5	140				
Tetrachloroethene (PCE)	0.998	0.0206	1.029	0.01020	96.0	70.7	131				
Surr: Dibromofluoromethane	1.38		1.286		107	82.3	112				
Surr: Toluene-d8	1.35		1.286		105	90.7	109				
Surr: 1-Bromo-4-fluorobenzene	1.38		1.286		107	88.4	109				

Sample ID: LCS-31727		SampType: LCS		Units: mg/Kg		Prep Date: 3/23/2021		RunNo: 66049			
Client ID: LCSS		Batch ID: 31727				Analysis Date: 3/23/2021		SeqNo: 1328868			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.855	0.0200	1.000	0	85.5	80	120				
trans-1,2-Dichloroethene	1.32	0.0200	1.000	0	132	80	120				S
cis-1,2-Dichloroethene	1.04	0.0200	1.000	0	104	80	120				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	80	120				B

Work Order: 2103166
CLIENT: Aspect Consulting
Project: Schnitzer NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31727	SampType: LCS	Units: mg/Kg	Prep Date: 3/23/2021	RunNo: 66049							
Client ID: LCSS	Batch ID: 31727		Analysis Date: 3/23/2021	SeqNo: 1328868							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.983	0.0200	1.000	0	98.3	80	120				
Surr: Dibromofluoromethane	1.35		1.250		108	80	120				
Surr: Toluene-d8	1.19		1.250		95.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.20		1.250		95.7	80	120				

NOTES:

S - Outlying spike recovery observed (high bias). Samples are non-detect for this analyte; no further action required.
 B - Detection in sample is 10x greater than detection in Method Blank. No further action required.

Sample ID: MB-31727	SampType: MBLK	Units: mg/Kg	Prep Date: 3/23/2021	RunNo: 66049							
Client ID: MBLKS	Batch ID: 31727		Analysis Date: 3/23/2021	SeqNo: 1328869							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Trichloroethene (TCE)	0.0921	0.0200									
Tetrachloroethene (PCE)	ND	0.0200									
Surr: Dibromofluoromethane	1.32		1.250		106	82.3	112				
Surr: Toluene-d8	1.20		1.250		95.6	90.7	109				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.1	88.4	109				

Sample ID: 2103166-019BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/23/2021	RunNo: 66049							
Client ID: AB-10-52	Batch ID: 31727		Analysis Date: 3/23/2021	SeqNo: 1328865							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0169						0		30	
trans-1,2-Dichloroethene	ND	0.0169						0		30	
cis-1,2-Dichloroethene	ND	0.0169						0		30	
Trichloroethene (TCE)	ND	0.0169						0		30	
Tetrachloroethene (PCE)	0.0673	0.0169						0.06429	4.52	30	

Work Order: 2103166
 CLIENT: Aspect Consulting
 Project: Schnitzer NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103166-019BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/23/2021	RunNo: 66049							
Client ID: AB-10-52	Batch ID: 31727		Analysis Date: 3/23/2021	SeqNo: 1328865							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	1.11		1.055		106	82.3	112		0		
Surr: Toluene-d8	1.01		1.055		96.2	90.7	109		0		
Surr: 1-Bromo-4-fluorobenzene	1.00		1.055		94.9	88.4	109		0		

Sample ID: 2103166-019BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/23/2021	RunNo: 66049							
Client ID: AB-10-52	Batch ID: 31727		Analysis Date: 3/23/2021	SeqNo: 1328866							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	0.733	0.0169	0.8441	0	86.8	49.9	147				
trans-1,2-Dichloroethene	1.11	0.0169	0.8441	0	131	73.5	130				S
cis-1,2-Dichloroethene	0.914	0.0169	0.8441	0	108	77.5	127				
Trichloroethene (TCE)	0.897	0.0169	0.8441	0.009466	105	70.5	140				B
Tetrachloroethene (PCE)	0.889	0.0169	0.8441	0.06429	97.8	70.7	131				
Surr: Dibromofluoromethane	1.16		1.055		110	82.3	112				
Surr: Toluene-d8	1.02		1.055		96.9	90.7	109				
Surr: 1-Bromo-4-fluorobenzene	1.02		1.055		96.5	88.4	109				

NOTES:

- S - Outlying spike recovery observed (high bias).
- B - Detection in sample is 10x greater than detection in Method Blank. No further action required.

Client Name: AC	Work Order Number: 2103166
Logged by: Clare Griggs	Date Received: 3/10/2021 12:52:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Client Name: AC	Work Order Number: 2103166
Logged by: Gabrielle Coeuille	Date Received: 3/10/2021 12:52:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Picked up by FAI

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	0.6
Sample 2	0.5
Temp Blank 1	2.1
Temp Blank 2	0.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/10/21 Page: 1 of 1

Project Name: SHM125 NR 81a

Project No: 190298

Collected by: JRTS

Location:

Report To (PM): All Cochran

PM Email: cochran@astoranalytical.com

Laboratory Project No (Internal): 210311010

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

City, State, Zip:

Telephone: 316.617.0499

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (801)	Comments
1. AB-09-18.5	3/10/21	0900	Soil	3													Held
2. AB-09-22.5		0915															
3. AB-09-29		0910															
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Dave Blawie	3/10/21	<i>[Signature]</i>	Ryan Thull	3/10/21
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Dave Blawie	3/10/21	<i>[Signature]</i>	Ryan Thull	3/10/21



Fremont
ANALYTICAL

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Client: *Aspect Consulting*

City, State, Zip: _____
Telephone: *316.617.0499*

Fax: _____

Date: *3/11/21* Page: *1* of *2*

Project Name: *SUNBELT NE 8th*

Collected by: *FRB*

Report To (PM): *All Coltrane*

PM Email: *cechance@spartanenergy.com*

Laboratory Project No (Internal): *210921610*

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/heavy Oil Range Organics (DRO)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - 5/11)	PCBs (EPA 8270 - 5/11)	Metals** (EPA 8082 / 608)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
<i>1 AB-09-31.5</i>	<i>3/11/21</i>	<i>0900</i>	<i>Soil</i>	<i>3</i>													<i>Hold</i>
<i>2 AB-09-34</i>		<i>0905</i>															
<i>3 AB-09-36.5</i>		<i>0915</i>															
<i>4 AB-09-38.5</i>		<i>0920</i>															
<i>5 AB-09-41</i>		<i>0925</i>															
<i>6 AB-09-52</i>		<i>0935</i>															
<i>7 AB-09-54</i>		<i>0940</i>															
<i>8 AB-09-54</i>		<i>0945</i>															
<i>9 AB-10-16.5</i>		<i>1035</i>															
<i>10 AB-10-22</i>		<i>1045</i>															

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 (specify) _____

Relinquished (Signature) *[Signature]* Print Name *Fane Blosard* Date/Time *3/11/21 14:10*

Relinquished (Signature) *[Signature]* Print Name *[Signature]* Date/Time *3/11/21 15:58*



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/11/21 Page: 2 of 2

Project Name: Schmidt's NE 8th

Project No: 190248

Collected by: DJR/B

Location:

Report To (PM): A. Cahore

PM Email: acahore@aspectconsulting.com

Laboratory Project No (Internal): 2103104

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HClD)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270-SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 AB-10-34	3/11/21	1105	Soil	3													Hold
2 AB-10-39		1110															
3 AB-10-42		1135															
4 AB-10-45		1140															
5 AB-10-49		1150															
6 AB-10-52		1220															
7 AB-10-55		1225															
8 AB-10-59		1215															
9 AB-10-61		1230															
10 AB-10-67.5		1240															

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify) _____

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Dave Edwards	3/11/21 1410	<i>[Signature]</i>	Carla Jensen	3/11/21 1500



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/11/21 Page: 2 of 2

Project Name: Schmidt's NE 8th

Project No: 190248

Collected by: DZB

Location:

Report To (PM): A. Cahore

PM Email: acahore@aspectconsulting.com

Laboratory Project No (Internal): 2103104

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HClD)	Diesel/Heavy Oil Range Organics (Dx)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270-SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.9)	Total (T) / Dissolved (D)	Anions (IC)**	EDB (801)	PCE Breakdown	Comments
1 AB-10-34	3/11/21	1105	Soil	3														Hold
2 AB-10-39		1110																
3 AB-10-42		1135																
4 AB-10-45		1140																
5 AB-10-49		1150																
6 AB-10-52		1220																
7 AB-10-55		1225																
8 AB-10-59		1215																
9 AB-10-61		1230																
10 AB-10-67.5		1240																

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Date/Time _____

Print Name _____ Date/Time _____

Relinquished (Signature) _____ Date/Time _____

Print Name _____ Date/Time _____

Received (Signature) _____ Date/Time _____

Print Name _____ Date/Time _____

Received (Signature) _____ Date/Time _____

Print Name _____ Date/Time _____

Turn-around Time:

Standard Next Day

3 Day Same Day

2 Day _____ (specify)



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/11/21 Page: 2 of 2

Project Name: Schmidt's NE 8th

Project No: 190248

Collected by: DRS

Location:

Report To (PM): A. Cahore

PM Email: acahore@aspedconsulting.com

Laboratory Project No (Internal): 2103104

Special Remarks: Update per MLK 3/12/21 - gac

X - Add on per MLK 3/22/21 @ 5:45PM

24 hour TAT - BB

Sample Disposal: Return to client Disposal by lab (after 30 days)

City, State, Zip:

Telephone: 316 677 0449

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.9)	Total (T) / Dissolved (D)	Anions (IC)**	EDB (801)	PCE Breakdown	Comments
1 AB-10-34	3/11/21	1105	Soil	3												X		Hold
2 AB-10-39		1110																
3 AB-10-42		1135														X		
4 AB-10-45		1140														X		
5 AB-10-49		1150														X		
6 AB-10-52		1220														X		
7 AB-10-55		1225																
8 AB-10-59		1215																
9 AB-10-61.5		1230														X		
10 AB-10-67.5		1240																

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Date/Time _____

Print Name _____ Date/Time _____

Relinquished (Signature) _____ Date/Time _____

Print Name _____ Date/Time _____

Relinquished (Signature) _____ Date/Time _____

Print Name _____ Date/Time _____

Turn-around Time:

Standard Next Day

3 Day Same Day

2 Day _____ (specify)

Remedial Investigation

Table D-1. Soil Data Qualifiers

Project No. 190298-A, The Artise Redevelopment, Bellevue, Washington

Sample ID	Analyte	Lab Flag	Data Quality Review Results	
			Data Qualifier	Qual Reason
ART-N01-N04-102	1,1-Dichloroethene	U	UJ	MS %R Low, Surrogate Out Low
ART-N01-N04-102	cis-1,2-Dichloroethene (DCE)	U	UJ	Surrogate Out Low
ART-N01-N04-102	Tetrachloroethene (PCE)		J	Surrogate Out Low
ART-N01-N04-102	trans-1,2-Dichloroethene	U	UJ	Surrogate Out Low
ART-N01-N04-102	Trichloroethene (TCE)	U	UJ	Surrogate Out Low
ART-N01-N04-102	Vinyl Chloride	U	UJ	Surrogate Out Low
ART-N01-W24-102	1,1-Dichloroethene	U	UJ	MS %R Low, Surrogate Out Low
ART-N01-W24-102	cis-1,2-Dichloroethene (DCE)	U	UJ	Surrogate Out Low
ART-N01-W24-102	Tetrachloroethene (PCE)		J	Surrogate Out Low
ART-N01-W24-102	trans-1,2-Dichloroethene	U	UJ	Surrogate Out Low
ART-N01-W24-102	Trichloroethene (TCE)		J	Surrogate Out Low
ART-N01-W24-102	Vinyl Chloride	U	UJ	Surrogate Out Low
ART-N04-W10-149	Gasoline Range Organics	D	X	Chromatographic pattern did not match fuel standard
ART-N06-W06-140	Gasoline Range Organics	D	X	Chromatographic pattern did not match fuel standard
ART-N07-W22-100	Tetrachloroethene (PCE)		J	MS %R Low
ART-N08-W07-92	Tetrachloroethene (PCE)		J	Surrogate Out High
ART-N13-W04-89	Vinyl Chloride	QU	UJ	LCS %R Low, Calibration Standard Out
ART-N13-W07-92	Tetrachloroethene (PCE)		J	Surrogate Out High
ART-N17-W14-110	Tetrachloroethene (PCE)	J	J	Reported as a detection between MDL and RL
ART-N18-W04-88	Vinyl Chloride	QU	UJ	LCS %R Low, Calibration Standard Out
ART-N19-W03-148	1,1,2,2-Tetrachloroethane	QU	UJ	Calibration standard out
ART-N19-W03-148	2-Hexanone	QU	UJ	Calibration standard out
ART-N19-W03-148	Chloromethane	QU	UJ	Calibration standard out
ART-N19-W03-148	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N21-W01-148	1,1,2,2-Tetrachloroethane	QU	UJ	Calibration standard out
ART-N21-W01-148	2-Hexanone	QU	UJ	Calibration standard out
ART-N21-W01-148	Chloromethane	QU	UJ	Calibration standard out
ART-N21-W01-148	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N23-W02-88	Vinyl Chloride	QU	UJ	LCS %R Low, Calibration Standard Out
ART-N25-W02-151	1,1,2,2-Tetrachloroethane	QU	UJ	Calibration standard out
ART-N25-W02-151	2-Hexanone	QU	UJ	Calibration standard out
ART-N25-W02-151	Chloromethane	QU	UJ	Calibration standard out
ART-N25-W02-151	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N25-W02-92	Tetrachloroethene (PCE)	U	UJ	Dup RPD Out, Surrogate Out Low
ART-N26-W01-150	Bromomethane	QU	UJ	Calibration standard out
ART-N26-W01-150	Chloroethane	QU	UJ	Calibration standard out
ART-N27-W03-92	Tetrachloroethene (PCE)	U	UJ	Dup RPD Out, Surrogate Out Low
ART-N28-W02-150	Bromomethane	QU	UJ	Calibration standard out
ART-N28-W02-150	Chloroethane	QU	UJ	Calibration standard out
ART-N28-W03-151	1,1,2,2-Tetrachloroethane	QU	UJ	Calibration standard out
ART-N28-W03-151	2-Hexanone	QU	UJ	Calibration standard out
ART-N28-W03-151	Chloromethane	QU	UJ	Calibration standard out
ART-N28-W03-151	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N31-W02-92	Tetrachloroethene (PCE)		J	Surrogate Out Low
ART-N33-W03-92	Tetrachloroethene (PCE)		J	Dup RPD Out, Surrogate Out Low
ART-N34-W02-92	Tetrachloroethene (PCE)	U	UJ	Dup RPD Out, Surrogate Out Low
ART-N40-W08-153	Chloromethane	QU	UJ	Calibration standard out
ART-N40-W08-153	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N40-W12-153	Chloromethane	QU	UJ	Calibration standard out
ART-N40-W12-153	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N40-W12-159	Chloromethane	QU	UJ	Calibration standard out
ART-N40-W12-159	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N44-W05-153	Chloromethane	QU	UJ	Calibration standard out
ART-N44-W05-153	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N47-W06-153	Chloromethane	QU	UJ	Calibration standard out
ART-N47-W06-153	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N47-W08-156	Chloromethane	QU	UJ	Calibration standard out
ART-N47-W08-156	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N50-W08-156	Chloromethane	QU	UJ	Calibration standard out
ART-N50-W08-156	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-N53-W08-156	Chloromethane	QU	UJ	Calibration standard out
ART-N53-W08-156	Dichlorodifluoromethane	QU	UJ	Calibration standard out
ART-W09-W10-100	1,1-Dichloroethene	U	UJ	Surrogate Out Low
ART-W09-W10-100	cis-1,2-Dichloroethene (DCE)	U	UJ	Surrogate Out Low
ART-W09-W10-100	Tetrachloroethene (PCE)		J	Surrogate Out Low
ART-W09-W10-100	trans-1,2-Dichloroethene	U	UJ	Surrogate Out Low
ART-W09-W10-100	Trichloroethene (TCE)	U	UJ	Surrogate Out Low
ART-W09-W10-100	Vinyl Chloride	U	UJ	Surrogate Out Low
ART-W22-W22-102	1,1-Dichloroethene	U	UJ	MS %R Low, Surrogate Out Low
ART-W22-W22-102	cis-1,2-Dichloroethene (DCE)	U	UJ	Surrogate Out Low
ART-W22-W22-102	Tetrachloroethene (PCE)		J	Surrogate Out Low
ART-W22-W22-102	trans-1,2-Dichloroethene	U	UJ	Surrogate Out Low
ART-W22-W22-102	Trichloroethene (TCE)	U	UJ	Surrogate Out Low
ART-W22-W22-102	Vinyl Chloride	U	UJ	Surrogate Out Low

Notes:

- J - The analyte was detected above the reported quantitation limit, and the reported concentration was an estimated value.
- E - The analyte is clearly a high detection, but the result exceeded the calibration range and is considered an estimated value.
- R - Do not report. If possible, the result should be reported from an alternative analysis. The sample results are unusable due to the quality of the data generated because certain criteria were not met.
- U - The analyte was analyzed for, but was considered not detected at the reporting limit or reported value.
- UJ - The analyte was analyzed for, and the associated quantitation limit was an estimated value.
- X - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- C - The analyte concentration was flagged by the laboratory as the result of laboratory contamination.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 7, 2021

Ali Cochrane, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Cochrane:

Included are the results from the testing of material submitted on December 3, 2021 from the Schnitzer Artise 190298, F&BI 112064 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Aspect Data
ASP1207R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 3, 2021 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Schnitzer Artise 190298, F&BI 112064 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
112064 -01	ART-W03-NO3-100.0
112064 -02	ART-W03-NO2-100.0

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	ART-W03-NO3-100.0	Client:	Aspect Consulting, LLC
Date Received:	12/03/21	Project:	Schnitzer Artise 190298, F&BI 112064
Date Extracted:	12/06/21	Lab ID:	112064-01 1/3
Date Analyzed:	12/06/21	Data File:	120613.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	90	109
Toluene-d8	103	89	112
4-Bromofluorobenzene	98	84	115

Compounds:	Concentration mg/kg (ppm)
Tetrachloroethene	0.10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	ART-W03-NO2-100.0	Client:	Aspect Consulting, LLC
Date Received:	12/03/21	Project:	Schnitzer Artise 190298, F&BI 112064
Date Extracted:	12/06/21	Lab ID:	112064-02 1/3
Date Analyzed:	12/06/21	Data File:	120614.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	90	109
Toluene-d8	102	89	112
4-Bromofluorobenzene	94	84	115

Compounds:	Concentration mg/kg (ppm)
Tetrachloroethene	0.045 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Schnitzer Artise 190298, F&BI 112064
Date Extracted:	12/06/21	Lab ID:	01-2774 mb
Date Analyzed:	12/06/21	Data File:	120605.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	90	109
Toluene-d8	102	89	112
4-Bromofluorobenzene	100	84	115

Compounds:	Concentration mg/kg (ppm)
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/07/21

Date Received: 12/03/21

Project: Schnitzer Artise 190298, F&BI 112064

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D**

Laboratory Code: 111324-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Tetrachloroethene	mg/kg (ppm)	1	<0.025	89	96	20-133	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Tetrachloroethene	mg/kg (ppm)	1	109	72-114

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer NE8

Work Order Number: 2106402

June 23, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 3 sample(s) on 6/22/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Mercury by EPA Method 7471

Sample Moisture (Percent Moisture)

Total Metals by EPA Method 6020B

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Jessica Smith

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

CLIENT: Aspect Consulting
Project: Schnitzer NE8
Work Order: 2106402

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106402-001	ART-N26-W1-150	06/22/2021 9:40 AM	06/22/2021 2:51 PM
2106402-002	ART-N28-W2-150	06/22/2021 9:50 AM	06/22/2021 2:51 PM
2106402-003	ART-TB-01	06/22/2021 12:00 AM	06/22/2021 2:51 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned



Client: Aspect Consulting

Collection Date: 6/22/2021 9:40:00 AM

Project: Schnitzer NE8

Lab ID: 2106402-001

Matrix: Soil

Client Sample ID: ART-N26-W1-150

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32750 Analyst: MM

Diesel (Fuel Oil)	ND	51.0		mg/Kg-dry	1	6/23/2021 4:36:22 AM
Heavy Oil	ND	102		mg/Kg-dry	1	6/23/2021 4:36:22 AM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	6/23/2021 4:36:22 AM
Surr: 2-Fluorobiphenyl	50.2	50 - 150		%Rec	1	6/23/2021 4:36:22 AM
Surr: o-Terphenyl	64.4	50 - 150		%Rec	1	6/23/2021 4:36:22 AM

Gasoline by NWTPH-Gx

Batch ID: 32743 Analyst: CR

Gasoline	ND	5.99		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Surr: Toluene-d8	98.3	65 - 135		%Rec	1	6/23/2021 7:53:44 AM
Surr: 4-Bromofluorobenzene	99.3	65 - 135		%Rec	1	6/23/2021 7:53:44 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0599		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Chloromethane	ND	0.0959		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Vinyl chloride	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Bromomethane	ND	0.180	Q	mg/Kg-dry	1	6/23/2021 7:53:44 AM
Trichlorofluoromethane (CFC-11)	ND	0.0599		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Chloroethane	ND	0.144	Q	mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,1-Dichloroethene	ND	0.120		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Acetone	ND	0.599		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Methylene chloride	ND	0.0180		mg/Kg-dry	1	6/23/2021 7:53:44 AM
trans-1,2-Dichloroethene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Methyl tert-butyl ether (MTBE)	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,1-Dichloroethane	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
cis-1,2-Dichloroethene	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
(MEK) 2-Butanone	ND	0.539		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Chloroform	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,1,1-Trichloroethane (TCA)	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,1-Dichloropropene	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Carbon tetrachloride	ND	0.0899		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,2-Dichloroethane (EDC)	ND	0.0276		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Benzene	ND	0.0240		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Trichloroethene (TCE)	ND	0.0240		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,2-Dichloropropane	ND	0.0240		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Bromodichloromethane	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Dibromomethane	ND	0.0240		mg/Kg-dry	1	6/23/2021 7:53:44 AM
cis-1,3-Dichloropropene	ND	0.0959		mg/Kg-dry	1	6/23/2021 7:53:44 AM



Analytical Report

Work Order: 2106402
Date Reported: 6/23/2021

Client: Aspect Consulting

Collection Date: 6/22/2021 9:40:00 AM

Project: Schnitzer NE8

Lab ID: 2106402-001

Matrix: Soil

Client Sample ID: ART-N26-W1-150

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743

Analyst: CR

Toluene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Trans-1,3-Dichloropropylene	ND	0.0599		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0899		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,1,2-Trichloroethane	ND	0.0204		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,3-Dichloropropane	ND	0.0240		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Tetrachloroethene (PCE)	0.223	0.0480		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Dibromochloromethane	ND	0.0240		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,2-Dibromoethane (EDB)	ND	0.0120		mg/Kg-dry	1	6/23/2021 7:53:44 AM
2-Hexanone (MBK)	ND	0.0719		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Chlorobenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,1,1,2-Tetrachloroethane	ND	0.0240		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Ethylbenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
m,p-Xylene	ND	0.0599		mg/Kg-dry	1	6/23/2021 7:53:44 AM
o-Xylene	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Styrene	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Isopropylbenzene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Bromoform	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,1,2,2-Tetrachloroethane	ND	0.0180		mg/Kg-dry	1	6/23/2021 7:53:44 AM
n-Propylbenzene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Bromobenzene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,3,5-Trimethylbenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
2-Chlorotoluene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
4-Chlorotoluene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
tert-Butylbenzene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,2,3-Trichloropropane	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,2,4-Trichlorobenzene	ND	0.0480		mg/Kg-dry	1	6/23/2021 7:53:44 AM
sec-Butylbenzene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
4-Isopropyltoluene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,3-Dichlorobenzene	ND	0.0420		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,4-Dichlorobenzene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
n-Butylbenzene	ND	0.0480		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,2-Dichlorobenzene	ND	0.0360		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,2-Dibromo-3-chloropropane	ND	0.0719		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,2,4-Trimethylbenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Hexachloro-1,3-butadiene	ND	0.0599		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Naphthalene	ND	0.120		mg/Kg-dry	1	6/23/2021 7:53:44 AM
1,2,3-Trichlorobenzene	ND	0.0599		mg/Kg-dry	1	6/23/2021 7:53:44 AM
Surr: Dibromofluoromethane	94.8	80 - 120		%Rec	1	6/23/2021 7:53:44 AM
Surr: Toluene-d8	96.2	80 - 120		%Rec	1	6/23/2021 7:53:44 AM



Client: Aspect Consulting

Collection Date: 6/22/2021 9:40:00 AM

Project: Schnitzer NE8

Lab ID: 2106402-001

Matrix: Soil

Client Sample ID: ART-N26-W1-150

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	98.6	80 - 120		%Rec	1	6/23/2021 7:53:44 AM
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NOTES:

Q- Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 32753 Analyst: LB

Mercury	ND	0.284		mg/Kg-dry	1	6/23/2021 3:07:47 PM
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Total Metals by EPA Method 6020B

Batch ID: 32758 Analyst: EH

Arsenic	2.78	0.892		mg/Kg-dry	1	6/23/2021 3:26:54 PM
Barium	54.1	0.535		mg/Kg-dry	1	6/23/2021 3:26:54 PM
Cadmium	ND	0.178		mg/Kg-dry	1	6/23/2021 3:26:54 PM
Chromium	24.7	0.357		mg/Kg-dry	1	6/23/2021 3:26:54 PM
Lead	6.02	0.178		mg/Kg-dry	1	6/23/2021 3:26:54 PM
Selenium	0.799	0.178		mg/Kg-dry	1	6/23/2021 3:26:54 PM
Silver	ND	0.892		mg/Kg-dry	1	6/23/2021 3:26:54 PM

Sample Moisture (Percent Moisture)

Batch ID: R68126 Analyst: OK

Percent Moisture	10.3	0.500		wt%	1	6/22/2021 3:57:14 PM
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Client: Aspect Consulting

Collection Date: 6/22/2021 9:50:00 AM

Project: Schnitzer NE8

Lab ID: 2106402-002

Matrix: Soil

Client Sample ID: ART-N28-W2-150

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32750

Analyst: MM

Diesel (Fuel Oil)	ND	49.6		mg/Kg-dry	1	6/23/2021 4:49:09 AM
Heavy Oil	ND	99.1		mg/Kg-dry	1	6/23/2021 4:49:09 AM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	6/23/2021 4:49:09 AM
Surr: 2-Fluorobiphenyl	51.8	50 - 150		%Rec	1	6/23/2021 4:49:09 AM
Surr: o-Terphenyl	70.3	50 - 150		%Rec	1	6/23/2021 4:49:09 AM

Gasoline by NWTPH-Gx

Batch ID: 32743

Analyst: CR

Gasoline	ND	9.45		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	6/23/2021 8:24:10 AM
Surr: 4-Bromofluorobenzene	97.9	65 - 135		%Rec	1	6/23/2021 8:24:10 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0945		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Chloromethane	ND	0.151		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Vinyl chloride	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Bromomethane	ND	0.284	Q	mg/Kg-dry	1	6/23/2021 8:24:10 AM
Trichlorofluoromethane (CFC-11)	ND	0.0945		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Chloroethane	ND	0.227	Q	mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,1-Dichloroethene	ND	0.189		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Acetone	ND	0.945		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Methylene chloride	ND	0.0284		mg/Kg-dry	1	6/23/2021 8:24:10 AM
trans-1,2-Dichloroethene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Methyl tert-butyl ether (MTBE)	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,1-Dichloroethane	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
cis-1,2-Dichloroethene	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
(MEK) 2-Butanone	ND	0.851		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Chloroform	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,1,1-Trichloroethane (TCA)	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,1-Dichloropropene	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Carbon tetrachloride	ND	0.142		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,2-Dichloroethane (EDC)	ND	0.0435		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Benzene	ND	0.0378		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Trichloroethene (TCE)	ND	0.0378		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,2-Dichloropropane	ND	0.0378		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Bromodichloromethane	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Dibromomethane	ND	0.0378		mg/Kg-dry	1	6/23/2021 8:24:10 AM
cis-1,3-Dichloropropene	ND	0.151		mg/Kg-dry	1	6/23/2021 8:24:10 AM



Client: Aspect Consulting

Collection Date: 6/22/2021 9:50:00 AM

Project: Schnitzer NE8

Lab ID: 2106402-002

Matrix: Soil

Client Sample ID: ART-N28-W2-150

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743

Analyst: CR

Toluene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Trans-1,3-Dichloropropylene	ND	0.0945		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.142		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,1,2-Trichloroethane	ND	0.0321		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,3-Dichloropropane	ND	0.0378		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Tetrachloroethene (PCE)	0.262	0.0756		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Dibromochloromethane	ND	0.0378		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,2-Dibromoethane (EDB)	ND	0.0189		mg/Kg-dry	1	6/23/2021 8:24:10 AM
2-Hexanone (MBK)	ND	0.113		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Chlorobenzene	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,1,1,2-Tetrachloroethane	ND	0.0378		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Ethylbenzene	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
m,p-Xylene	ND	0.0945		mg/Kg-dry	1	6/23/2021 8:24:10 AM
o-Xylene	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Styrene	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Isopropylbenzene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Bromoform	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,1,2,2-Tetrachloroethane	ND	0.0284		mg/Kg-dry	1	6/23/2021 8:24:10 AM
n-Propylbenzene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Bromobenzene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,3,5-Trimethylbenzene	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
2-Chlorotoluene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
4-Chlorotoluene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
tert-Butylbenzene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,2,3-Trichloropropane	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,2,4-Trichlorobenzene	ND	0.0756		mg/Kg-dry	1	6/23/2021 8:24:10 AM
sec-Butylbenzene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
4-Isopropyltoluene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,3-Dichlorobenzene	ND	0.0662		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,4-Dichlorobenzene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
n-Butylbenzene	ND	0.0756		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,2-Dichlorobenzene	ND	0.0567		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,2-Dibromo-3-chloropropane	ND	0.113		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,2,4-Trimethylbenzene	ND	0.0473		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Hexachloro-1,3-butadiene	ND	0.0945		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Naphthalene	ND	0.189		mg/Kg-dry	1	6/23/2021 8:24:10 AM
1,2,3-Trichlorobenzene	ND	0.0945		mg/Kg-dry	1	6/23/2021 8:24:10 AM
Surr: Dibromofluoromethane	94.4	80 - 120		%Rec	1	6/23/2021 8:24:10 AM
Surr: Toluene-d8	97.5	80 - 120		%Rec	1	6/23/2021 8:24:10 AM



Client: Aspect Consulting

Collection Date: 6/22/2021 9:50:00 AM

Project: Schnitzer NE8

Lab ID: 2106402-002

Matrix: Soil

Client Sample ID: ART-N28-W2-150

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	97.2	80 - 120		%Rec	1	6/23/2021 8:24:10 AM
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NOTES:

Q- Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 32753 Analyst: LB

Mercury	ND	0.285		mg/Kg-dry	1	6/23/2021 3:09:24 PM
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Total Metals by EPA Method 6020B

Batch ID: 32758 Analyst: EH

Arsenic	3.39	0.879		mg/Kg-dry	1	6/23/2021 3:32:28 PM
Barium	69.5	0.527		mg/Kg-dry	1	6/23/2021 3:32:28 PM
Cadmium	ND	0.176		mg/Kg-dry	1	6/23/2021 3:32:28 PM
Chromium	26.9	0.352		mg/Kg-dry	1	6/23/2021 3:32:28 PM
Lead	5.46	0.176		mg/Kg-dry	1	6/23/2021 3:32:28 PM
Selenium	0.825	0.176		mg/Kg-dry	1	6/23/2021 3:32:28 PM
Silver	ND	0.879		mg/Kg-dry	1	6/23/2021 3:32:28 PM

Sample Moisture (Percent Moisture)

Batch ID: R68126 Analyst: OK

Percent Moisture	10.4	0.500		wt%	1	6/22/2021 3:57:14 PM
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Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-32758	SampType: MBLK	Units: mg/Kg	Prep Date: 6/23/2021	RunNo: 68160							
Client ID: MBLKS	Batch ID: 32758		Analysis Date: 6/23/2021	SeqNo: 1375863							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.800									
Barium	ND	0.480									
Cadmium	0.240	0.160									
Chromium	ND	0.320									
Lead	ND	0.160									
Selenium	ND	0.160									
Silver	ND	0.800									

NOTES:

Detection in the method blank due to sample carryover. All associated samples are non-detect; therefore the data are acceptable.

Sample ID: LCS-32758	SampType: LCS	Units: mg/Kg	Prep Date: 6/23/2021	RunNo: 68160							
Client ID: LCSS	Batch ID: 32758		Analysis Date: 6/23/2021	SeqNo: 1375864							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	40.6	0.0976	40.65	0	99.9	80	120				
Barium	41.3	0.488	40.65	0	102	80	120				
Cadmium	2.13	0.163	2.033	0	105	80	120				
Chromium	43.2	0.325	40.65	0	106	80	120				
Lead	19.5	0.163	20.33	0	96.2	80	120				
Selenium	3.95	0.163	4.065	0	97.2	80	120				
Silver	2.27	0.122	2.033	0	111	80	120				

Sample ID: 2106401-003AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68160							
Client ID: BATCH	Batch ID: 32758		Analysis Date: 6/23/2021	SeqNo: 1375867							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	42.7	0.0970	40.43	4.096	95.6	75	125				
Barium	113	0.485	40.43	75.45	91.8	75	125				
Cadmium	2.21	0.162	2.021	0.2074	98.9	75	125				
Chromium	69.1	0.323	40.43	26.17	106	75	125				

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2106401-003AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68160							
Client ID: BATCH	Batch ID: 32758	Analysis Date: 6/23/2021	SeqNo: 1375867								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	51.1	0.162	20.21	34.54	82.2	75	125				
Selenium	4.56	0.162	4.043	0.7313	94.8	75	125				
Silver	1.88	0.121	2.021	0.3177	77.2	75	125				

Sample ID: 2106401-003AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68160							
Client ID: BATCH	Batch ID: 32758	Analysis Date: 6/23/2021	SeqNo: 1375885								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	44.8	0.0963	40.13	4.096	101	75	125	42.73	4.65	20	
Barium	126	0.482	40.13	75.45	126	75	125	112.6	11.2	20	S
Cadmium	2.18	0.161	2.007	0.2074	98.5	75	125	2.206	0.999	20	
Chromium	77.3	0.321	40.13	26.17	127	75	125	69.07	11.2	20	S
Lead	55.2	0.161	20.07	34.54	103	75	125	51.15	7.56	20	
Selenium	4.60	0.161	4.013	0.7313	96.5	75	125	4.565	0.849	20	
Silver	1.88	0.120	2.007	0.3177	77.6	75	125	1.879	0.207	20	

NOTES:

S - Analyte concentration was too high for accurate spike recovery(ies).

Work Order: 2106402
CLIENT: Aspect Consulting
Project: Schnitzer NE8

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-32753	SampType: MBLK	Units: mg/Kg	Prep Date: 6/23/2021	RunNo: 68161							
Client ID: MBLKS	Batch ID: 32753		Analysis Date: 6/23/2021	SeqNo: 1375896							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-32753	SampType: LCS	Units: mg/Kg	Prep Date: 6/23/2021	RunNo: 68161							
Client ID: LCSS	Batch ID: 32753		Analysis Date: 6/23/2021	SeqNo: 1375897							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.529 0.250 0.5000 0 106 80 120

Sample ID: 2106401-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68161							
Client ID: BATCH	Batch ID: 32753		Analysis Date: 6/23/2021	SeqNo: 1375899							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.290 0 20

Sample ID: 2106401-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68161							
Client ID: BATCH	Batch ID: 32753		Analysis Date: 6/23/2021	SeqNo: 1375900							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.547 0.269 0.5370 0.02189 97.7 70 130

Sample ID: 2106401-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68161							
Client ID: BATCH	Batch ID: 32753		Analysis Date: 6/23/2021	SeqNo: 1375901							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.590 0.290 0.5809 0.02189 97.8 70 130 0.5467 7.65 20

Work Order: 2106402
CLIENT: Aspect Consulting
Project: Schnitzer NE8

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-32750	SampType: MBLK	Units: mg/Kg				Prep Date: 6/22/2021	RunNo: 68135				
Client ID: MBLKS	Batch ID: 32750					Analysis Date: 6/23/2021	SeqNo: 1375047				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	7.89		10.00		78.9	50	150				
Surr: o-Terphenyl	8.59		10.00		85.9	50	150				

Sample ID: LCS-32750	SampType: LCS	Units: mg/Kg				Prep Date: 6/22/2021	RunNo: 68135				
Client ID: LCSS	Batch ID: 32750					Analysis Date: 6/23/2021	SeqNo: 1375048				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	471	150	500.0	0	94.3	75.7	116				
Surr: 2-Fluorobiphenyl	7.76		10.00		77.6	50	150				
Surr: o-Terphenyl	10.6		10.00		106	50	150				

Sample ID: 2106401-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 6/22/2021	RunNo: 68135				
Client ID: BATCH	Batch ID: 32750					Analysis Date: 6/23/2021	SeqNo: 1375050				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	497	151	503.8	0	98.7	59.6	134				
Surr: 2-Fluorobiphenyl	5.86		10.08		58.2	50	150				
Surr: o-Terphenyl	8.27		10.08		82.1	50	150				

Sample ID: 2106401-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 6/22/2021	RunNo: 68135				
Client ID: BATCH	Batch ID: 32750					Analysis Date: 6/23/2021	SeqNo: 1375051				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	515	158	525.6	0	97.9	59.6	134	497.1	3.46	30	
Surr: 2-Fluorobiphenyl	5.40		10.51		51.4	50	150		0		
Surr: o-Terphenyl	7.78		10.51		74.0	50	150		0		

Work Order: 2106402
CLIENT: Aspect Consulting
Project: Schnitzer NE8

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2106401-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/22/2021	RunNo: 68135							
Client ID: BATCH	Batch ID: 32750		Analysis Date: 6/23/2021	SeqNo: 1375051							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2106402
CLIENT: Aspect Consulting
Project: Schnitzer NE8

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32743	SampType: LCS	Units: mg/Kg			Prep Date: 6/22/2021	RunNo: 68139					
Client ID: LCSS	Batch ID: 32743				Analysis Date: 6/22/2021	SeqNo: 1375524					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.2	5.00	25.00	0	92.6	65	135				
Surr: Toluene-d8	1.23		1.250		98.5	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		99.9	65	135				

Sample ID: MB-32743	SampType: MBLK	Units: mg/Kg			Prep Date: 6/22/2021	RunNo: 68139					
Client ID: MBLKS	Batch ID: 32743				Analysis Date: 6/22/2021	SeqNo: 1375525					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.23		1.250		98.3	65	135				
Surr: 4-Bromofluorobenzene	1.22		1.250		97.7	65	135				

Sample ID: 2106391-001BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 6/22/2021	RunNo: 68139					
Client ID: BATCH	Batch ID: 32743				Analysis Date: 6/22/2021	SeqNo: 1375531					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.02						0		30	
Surr: Toluene-d8	1.25		1.255		99.8	65	135		0		
Surr: 4-Bromofluorobenzene	1.22		1.255		97.3	65	135		0		

Sample ID: 2106376-003BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/22/2021	RunNo: 68139					
Client ID: BATCH	Batch ID: 32743				Analysis Date: 6/23/2021	SeqNo: 1375538					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	21.4	4.53	22.65	0	94.4	65	135				
Surr: Toluene-d8	1.11		1.132		97.9	65	135				
Surr: 4-Bromofluorobenzene	1.15		1.132		102	65	135				

Work Order: 2106402
CLIENT: Aspect Consulting
Project: Schnitzer NE8

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2106401-006BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/22/2021	RunNo: 68139							
Client ID: BATCH	Batch ID: 32743	Analysis Date: 6/23/2021	SeqNo: 1375545								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.39						0		30	
Surr: Toluene-d8	1.32		1.348		98.1	65	135		0		
Surr: 4-Bromofluorobenzene	1.34		1.348		99.7	65	135		0		

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32743	SampType: LCS	Units: mg/Kg				Prep Date: 6/22/2021	RunNo: 68138				
Client ID: LCSS	Batch ID: 32743					Analysis Date: 6/22/2021	SeqNo: 1375311				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.25	0.0500	1.000	0	125	80	120				S
Chloromethane	0.977	0.0800	1.000	0	97.7	80	120				
Vinyl chloride	1.05	0.0250	1.000	0	105	80	120				
Bromomethane	0.765	0.150	1.000	0	76.5	80	120				S
Trichlorofluoromethane (CFC-11)	0.991	0.0500	1.000	0	99.1	80	120				
Chloroethane	0.726	0.120	1.000	0	72.6	80	120				S
1,1-Dichloroethene	0.983	0.100	1.000	0	98.3	80	120				
Acetone	2.81	0.500	2.500	0	112	80	120				
Methylene chloride	0.963	0.0150	1.000	0	96.3	80	120				
trans-1,2-Dichloroethene	0.980	0.0300	1.000	0	98.0	80	120				
Methyl tert-butyl ether (MTBE)	1.13	0.0300	1.000	0	113	80	120				
1,1-Dichloroethane	0.943	0.0250	1.000	0	94.3	80	120				
cis-1,2-Dichloroethene	0.982	0.0250	1.000	0	98.2	80	120				
(MEK) 2-Butanone	2.92	0.450	2.500	0	117	80	120				
Chloroform	0.965	0.0250	1.000	0	96.5	80	120				
1,1,1-Trichloroethane (TCA)	0.986	0.0250	1.000	0	98.6	80	120				
1,1-Dichloropropene	0.995	0.0250	1.000	0	99.5	80	120				
Carbon tetrachloride	0.995	0.0750	1.000	0	99.5	80	120				
1,2-Dichloroethane (EDC)	0.984	0.0230	1.000	0	98.4	80	120				
Benzene	0.958	0.0200	1.000	0	95.8	80	120				
Trichloroethene (TCE)	1.00	0.0200	1.000	0	100	80	120				
1,2-Dichloropropane	0.969	0.0200	1.000	0	96.9	80	120				
Bromodichloromethane	0.981	0.0250	1.000	0	98.1	80	120				
Dibromomethane	1.05	0.0200	1.000	0	105	80	120				
cis-1,3-Dichloropropene	1.04	0.0800	1.000	0	104	80	120				
Toluene	0.992	0.0300	1.000	0	99.2	80	120				
Trans-1,3-Dichloropropylene	1.06	0.0500	1.000	0	106	80	120				
Methyl Isobutyl Ketone (MIBK)	2.91	0.0750	2.500	0	116	80	120				
1,1,2-Trichloroethane	1.05	0.0170	1.000	0	105	80	120				
1,3-Dichloropropane	1.03	0.0200	1.000	0	103	80	120				

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32743	SampType: LCS	Units: mg/Kg	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: LCSS	Batch ID: 32743		Analysis Date: 6/22/2021	SeqNo: 1375311							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.02	0.0400	1.000	0	102	80	120				
Dibromochloromethane	1.04	0.0200	1.000	0	104	80	120				
1,2-Dibromoethane (EDB)	1.06	0.0100	1.000	0	106	80	120				
2-Hexanone (MBK)	2.97	0.0600	2.500	0	119	80	120				
Chlorobenzene	1.01	0.0250	1.000	0	101	80	120				
1,1,1,2-Tetrachloroethane	1.01	0.0200	1.000	0	101	80	120				
Ethylbenzene	1.01	0.0250	1.000	0	101	80	120				
m,p-Xylene	2.02	0.0500	2.000	0	101	80	120				
o-Xylene	1.01	0.0250	1.000	0	101	80	120				
Styrene	0.999	0.0250	1.000	0	99.9	80	120				
Isopropylbenzene	1.01	0.0300	1.000	0	101	80	120				
Bromoform	1.09	0.0250	1.000	0	109	80	120				
1,1,2,2-Tetrachloroethane	1.09	0.0150	1.000	0	109	80	120				
n-Propylbenzene	0.996	0.0300	1.000	0	99.6	80	120				
Bromobenzene	1.02	0.0300	1.000	0	102	80	120				
1,3,5-Trimethylbenzene	1.01	0.0250	1.000	0	101	80	120				
2-Chlorotoluene	0.987	0.0300	1.000	0	98.7	80	120				
4-Chlorotoluene	0.986	0.0300	1.000	0	98.6	80	120				
tert-Butylbenzene	1.03	0.0300	1.000	0	103	80	120				
1,2,3-Trichloropropane	1.09	0.0250	1.000	0	109	80	120				
1,2,4-Trichlorobenzene	1.09	0.0400	1.000	0	109	80	120				
sec-Butylbenzene	1.03	0.0300	1.000	0	103	80	120				
4-Isopropyltoluene	1.04	0.0300	1.000	0	104	80	120				
1,3-Dichlorobenzene	1.06	0.0350	1.000	0	106	80	120				
1,4-Dichlorobenzene	1.04	0.0300	1.000	0	104	80	120				
n-Butylbenzene	1.05	0.0400	1.000	0	105	80	120				
1,2-Dichlorobenzene	1.05	0.0300	1.000	0	105	80	120				
1,2-Dibromo-3-chloropropane	1.18	0.0600	1.000	0	118	80	120				
1,2,4-Trimethylbenzene	1.02	0.0250	1.000	0	102	80	120				
Hexachloro-1,3-butadiene	1.04	0.0500	1.000	0	104	80	120				

Work Order: 2106402
CLIENT: Aspect Consulting
Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32743	SampType: LCS	Units: mg/Kg	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: LCSS	Batch ID: 32743		Analysis Date: 6/22/2021	SeqNo: 1375311							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.10	0.100	1.000	0	110	80	120				
1,2,3-Trichlorobenzene	0.972	0.0500	1.000	0	97.2	80	120				
Surr: Dibromofluoromethane	1.22		1.250		97.5	80	120				
Surr: Toluene-d8	1.23		1.250		98.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	80	120				

NOTES:

- S - Outlying spike recovery observed (high bias). Samples are non-detect for this analyte; no further action required.
- S - Outlying spike recovery observed (low bias) for Chloroethane and Bromomethane. Samples will be qualified with a Q.

Sample ID: MB-32743	SampType: MBLK	Units: mg/Kg	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: MBLKS	Batch ID: 32743		Analysis Date: 6/22/2021	SeqNo: 1375312							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									Q
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									Q
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									

Work Order: 2106402
CLIENT: Aspect Consulting
Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32743	SampType: MBLK	Units: mg/Kg	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: MBLKS	Batch ID: 32743		Analysis Date: 6/22/2021	SeqNo: 1375312							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32743	SampType: MBLK	Units: mg/Kg	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: MBLKS	Batch ID: 32743		Analysis Date: 6/22/2021	SeqNo: 1375312							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

tert-Butylbenzene	ND	0.0300									
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.17		1.250		93.6	80	120				
Surr: Toluene-d8	1.20		1.250		95.9	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250		97.0	80	120				

Sample ID: 2106391-001BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: BATCH	Batch ID: 32743		Analysis Date: 6/22/2021	SeqNo: 1375315							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0502						0		30	
Chloromethane	ND	0.0803						0		30	
Vinyl chloride	ND	0.0251						0		30	
Bromomethane	ND	0.151						0		30	Q
Trichlorofluoromethane (CFC-11)	ND	0.0502						0		30	
Chloroethane	ND	0.120						0		30	Q
1,1-Dichloroethene	ND	0.100						0		30	
Acetone	ND	0.502						0		30	

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106391-001BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: BATCH	Batch ID: 32743		Analysis Date: 6/22/2021	SeqNo: 1375315							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methylene chloride	ND	0.0151						0		30	
trans-1,2-Dichloroethene	ND	0.0301						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0301						0		30	
1,1-Dichloroethane	ND	0.0251						0		30	
cis-1,2-Dichloroethene	ND	0.0251						0		30	
(MEK) 2-Butanone	ND	0.452						0		30	
Chloroform	ND	0.0251						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0251						0		30	
1,1-Dichloropropene	ND	0.0251						0		30	
Carbon tetrachloride	ND	0.0753						0		30	
1,2-Dichloroethane (EDC)	ND	0.0231						0		30	
Benzene	ND	0.0201						0		30	
Trichloroethene (TCE)	ND	0.0201						0		30	
1,2-Dichloropropane	ND	0.0201						0		30	
Bromodichloromethane	ND	0.0251						0		30	
Dibromomethane	ND	0.0201						0		30	
cis-1,3-Dichloropropene	ND	0.0803						0		30	
Toluene	ND	0.0301						0		30	
Trans-1,3-Dichloropropylene	ND	0.0502						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0753						0		30	
1,1,2-Trichloroethane	ND	0.0171						0		30	
1,3-Dichloropropane	ND	0.0201						0		30	
Tetrachloroethene (PCE)	ND	0.0402						0		30	
Dibromochloromethane	ND	0.0201						0		30	
1,2-Dibromoethane (EDB)	ND	0.0100						0		30	
2-Hexanone (MBK)	ND	0.0602						0		30	
Chlorobenzene	ND	0.0251						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0201						0		30	
Ethylbenzene	ND	0.0251						0		30	
m,p-Xylene	ND	0.0502						0		30	

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106391-001BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: BATCH	Batch ID: 32743		Analysis Date: 6/22/2021	SeqNo: 1375315							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

o-Xylene	ND	0.0251						0		30	
Styrene	ND	0.0251						0		30	
Isopropylbenzene	ND	0.0301						0		30	
Bromoform	ND	0.0251						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0151						0		30	
n-Propylbenzene	ND	0.0301						0		30	
Bromobenzene	ND	0.0301						0		30	
1,3,5-Trimethylbenzene	ND	0.0251						0		30	
2-Chlorotoluene	ND	0.0301						0		30	
4-Chlorotoluene	ND	0.0301						0		30	
tert-Butylbenzene	ND	0.0301						0		30	
1,2,3-Trichloropropane	ND	0.0251						0		30	
1,2,4-Trichlorobenzene	ND	0.0402						0		30	
sec-Butylbenzene	ND	0.0301						0		30	
4-Isopropyltoluene	ND	0.0301						0		30	
1,3-Dichlorobenzene	ND	0.0351						0		30	
1,4-Dichlorobenzene	ND	0.0301						0		30	
n-Butylbenzene	ND	0.0402						0		30	
1,2-Dichlorobenzene	ND	0.0301						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0602						0		30	
1,2,4-Trimethylbenzene	ND	0.0251						0		30	
Hexachloro-1,3-butadiene	ND	0.0502						0		30	
Naphthalene	ND	0.100						0		30	
1,2,3-Trichlorobenzene	ND	0.0502						0		30	
Surr: Dibromofluoromethane	1.20		1.255		95.5	80	120		0		
Surr: Toluene-d8	1.22		1.255		96.9	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.21		1.255		96.5	80	120		0		

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106281-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: BATCH	Batch ID: 32743		Analysis Date: 6/23/2021	SeqNo: 1375322							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.636	0.0693	1.386	0	45.9	5	173				
Chloromethane	0.846	0.111	1.386	0	61.0	39.5	138				
Vinyl chloride	1.00	0.0346	1.386	0	72.1	41.9	145				
Bromomethane	1.02	0.208	1.386	0	73.4	63.4	160				
Trichlorofluoromethane (CFC-11)	1.15	0.0693	1.386	0	82.8	32.4	158				
Chloroethane	1.05	0.166	1.386	0	75.6	40.1	160				
1,1-Dichloroethene	1.18	0.139	1.386	0	84.8	62.1	135				
Acetone	3.16	0.693	3.465	0	91.1	45.8	168				
Methylene chloride	1.24	0.0208	1.386	0	89.4	65.6	137				
trans-1,2-Dichloroethene	1.24	0.0416	1.386	0	89.6	65.4	137				
Methyl tert-butyl ether (MTBE)	1.47	0.0416	1.386	0	106	48.1	157				
1,1-Dichloroethane	1.23	0.0346	1.386	0	88.5	61.9	142				
cis-1,2-Dichloroethene	1.28	0.0346	1.386	0	92.7	81.9	124				
(MEK) 2-Butanone	3.56	0.624	3.465	0	103	56	144				
Chloroform	1.26	0.0346	1.386	0	91.1	79.3	127				
1,1,1-Trichloroethane (TCA)	1.28	0.0346	1.386	0	92.2	80	121				
1,1-Dichloropropene	1.28	0.0346	1.386	0	92.1	76.4	127				
Carbon tetrachloride	1.26	0.104	1.386	0	90.6	68.6	130				
1,2-Dichloroethane (EDC)	1.28	0.0319	1.386	0	92.6	70.1	137				
Benzene	1.26	0.0277	1.386	0	91.2	80	123				
Trichloroethene (TCE)	1.31	0.0277	1.386	0	94.7	79	130				
1,2-Dichloropropane	1.30	0.0277	1.386	0	93.6	80	121				
Bromodichloromethane	1.28	0.0346	1.386	0	92.2	72.8	124				
Dibromomethane	1.35	0.0277	1.386	0	97.1	77.2	122				
cis-1,3-Dichloropropene	1.31	0.111	1.386	0	94.8	75.1	121				
Toluene	1.31	0.0416	1.386	0	94.2	80	125				
Trans-1,3-Dichloropropylene	1.33	0.0693	1.386	0	96.1	73.9	122				
Methyl Isobutyl Ketone (MIBK)	3.74	0.104	3.465	0	108	47.1	154				
1,1,2-Trichloroethane	1.35	0.0236	1.386	0	97.0	76.2	123				
1,3-Dichloropropane	1.33	0.0277	1.386	0	96.2	67.2	131				

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106281-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: BATCH	Batch ID: 32743		Analysis Date: 6/23/2021	SeqNo: 1375322							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.33	0.0554	1.386	0	96.2	77.2	128				
Dibromochloromethane	1.28	0.0277	1.386	0	92.5	63.3	129				
1,2-Dibromoethane (EDB)	1.36	0.0139	1.386	0	98.2	75.1	124				
2-Hexanone (MBK)	3.76	0.0832	3.465	0	109	40.5	170				
Chlorobenzene	1.35	0.0346	1.386	0	97.4	80	120				
1,1,1,2-Tetrachloroethane	1.35	0.0277	1.386	0	97.2	80	120				
Ethylbenzene	1.35	0.0346	1.386	0	97.5	80	133				
m,p-Xylene	2.69	0.0693	2.772	0	97.0	80	129				
o-Xylene	1.37	0.0346	1.386	0	99.0	73.4	131				
Styrene	1.39	0.0346	1.386	0	100	77.4	125				
Isopropylbenzene	1.38	0.0416	1.386	0	99.4	76.7	132				
Bromoform	1.42	0.0346	1.386	0	103	69.7	127				
1,1,2,2-Tetrachloroethane	1.43	0.0208	1.386	0	103	62.8	132				
n-Propylbenzene	1.43	0.0416	1.386	0	103	77.2	134				
Bromobenzene	1.41	0.0416	1.386	0	102	77.2	125				
1,3,5-Trimethylbenzene	1.43	0.0346	1.386	0	103	79.8	125				
2-Chlorotoluene	1.41	0.0416	1.386	0	102	78.3	127				
4-Chlorotoluene	1.39	0.0416	1.386	0	100	79.9	123				
tert-Butylbenzene	1.46	0.0416	1.386	0	105	74.7	132				
1,2,3-Trichloropropane	1.57	0.0346	1.386	0	113	65.9	128				
1,2,4-Trichlorobenzene	1.48	0.0554	1.386	0	107	78.5	129				
sec-Butylbenzene	1.41	0.0416	1.386	0	102	73.8	135				
4-Isopropyltoluene	1.41	0.0416	1.386	0	102	73.9	134				
1,3-Dichlorobenzene	1.42	0.0485	1.386	0	103	80	123				
1,4-Dichlorobenzene	1.39	0.0416	1.386	0	101	80	122				
n-Butylbenzene	1.38	0.0554	1.386	0	99.3	80	130				
1,2-Dichlorobenzene	1.41	0.0416	1.386	0	102	80	120				
1,2-Dibromo-3-chloropropane	1.47	0.0832	1.386	0	106	66.1	131				
1,2,4-Trimethylbenzene	1.41	0.0346	1.386	0	102	80	124				
Hexachloro-1,3-butadiene	1.38	0.0693	1.386	0	99.8	70.9	135				

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106281-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: BATCH	Batch ID: 32743		Analysis Date: 6/23/2021	SeqNo: 1375322							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.55	0.139	1.386	0	112	53.8	164				
1,2,3-Trichlorobenzene	1.44	0.0693	1.386	0	104	75.8	131				
Surr: Dibromofluoromethane	1.66		1.732		95.7	80	120				
Surr: Toluene-d8	1.66		1.732		95.8	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.80		1.732		104	80	120				

Sample ID: 2106401-006BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: BATCH	Batch ID: 32743		Analysis Date: 6/23/2021	SeqNo: 1375329							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0539						0		30	
Chloromethane	ND	0.0863						0		30	
Vinyl chloride	ND	0.0270						0		30	
Bromomethane	ND	0.162						0		30	Q
Trichlorofluoromethane (CFC-11)	ND	0.0539						0		30	
Chloroethane	ND	0.129						0		30	Q
1,1-Dichloroethene	ND	0.108						0		30	
Acetone	ND	0.539						0		30	
Methylene chloride	ND	0.0162						0		30	
trans-1,2-Dichloroethene	ND	0.0323						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0323						0		30	
1,1-Dichloroethane	ND	0.0270						0		30	
cis-1,2-Dichloroethene	ND	0.0270						0		30	
(MEK) 2-Butanone	ND	0.485						0		30	
Chloroform	ND	0.0270						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0270						0		30	
1,1-Dichloropropene	ND	0.0270						0		30	
Carbon tetrachloride	ND	0.0809						0		30	
1,2-Dichloroethane (EDC)	ND	0.0248						0		30	
Benzene	ND	0.0216						0		30	

Work Order: 2106402
CLIENT: Aspect Consulting
Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106401-006BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/22/2021	RunNo: 68138							
Client ID: BATCH	Batch ID: 32743		Analysis Date: 6/23/2021	SeqNo: 1375329							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	ND	0.0216						0		30	
1,2-Dichloropropane	ND	0.0216						0		30	
Bromodichloromethane	ND	0.0270						0		30	
Dibromomethane	ND	0.0216						0		30	
cis-1,3-Dichloropropene	ND	0.0863						0		30	
Toluene	ND	0.0323						0		30	
Trans-1,3-Dichloropropylene	ND	0.0539						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0809						0		30	
1,1,2-Trichloroethane	ND	0.0183						0		30	
1,3-Dichloropropane	ND	0.0216						0		30	
Tetrachloroethene (PCE)	ND	0.0431						0		30	
Dibromochloromethane	ND	0.0216						0		30	
1,2-Dibromoethane (EDB)	ND	0.0108						0		30	
2-Hexanone (MBK)	ND	0.0647						0		30	
Chlorobenzene	ND	0.0270						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0216						0		30	
Ethylbenzene	ND	0.0270						0		30	
m,p-Xylene	ND	0.0539						0		30	
o-Xylene	ND	0.0270						0		30	
Styrene	ND	0.0270						0		30	
Isopropylbenzene	ND	0.0323						0		30	
Bromoform	ND	0.0270						0		30	
1,1,1,2,2-Tetrachloroethane	ND	0.0162						0		30	
n-Propylbenzene	ND	0.0323						0		30	
Bromobenzene	ND	0.0323						0		30	
1,3,5-Trimethylbenzene	ND	0.0270						0		30	
2-Chlorotoluene	ND	0.0323						0		30	
4-Chlorotoluene	ND	0.0323						0		30	
tert-Butylbenzene	ND	0.0323						0		30	
1,2,3-Trichloropropane	ND	0.0270						0		30	

Work Order: 2106402
 CLIENT: Aspect Consulting
 Project: Schnitzer NE8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106401-006BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/22/2021	RunNo: 68138					
Client ID: BATCH	Batch ID: 32743				Analysis Date: 6/23/2021	SeqNo: 1375329					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.0431						0		30	
sec-Butylbenzene	ND	0.0323						0		30	
4-Isopropyltoluene	ND	0.0323						0		30	
1,3-Dichlorobenzene	ND	0.0377						0		30	
1,4-Dichlorobenzene	ND	0.0323						0		30	
n-Butylbenzene	ND	0.0431						0		30	
1,2-Dichlorobenzene	ND	0.0323						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0647						0		30	
1,2,4-Trimethylbenzene	ND	0.0270						0		30	
Hexachloro-1,3-butadiene	ND	0.0539						0		30	
Naphthalene	ND	0.108						0		30	
1,2,3-Trichlorobenzene	ND	0.0539						0		30	
Surr: Dibromofluoromethane	1.28		1.348		94.7	80	120		0		
Surr: Toluene-d8	1.29		1.348		95.6	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.33		1.348		98.9	80	120		0		

Client Name: **AC**

 Work Order Number: **2106402**

 Logged by: **Clare Griggs**

 Date Received: **6/22/2021 2:51:24 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Picked up by FAI

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	4.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 6-22-2021 Page: 1 of 1
 Project Name: Schnitzer NE8
 Project No: 190298
 Laboratory Project No (Internal): 2066402
 Special Remarks: 24 hr TAT

Client: Aspet Consulting
 Address: [Redacted]
 City, State, Zip: [Redacted]
 Telephone: (831) 588-235D Mei Cell
 Fax: [Redacted]
 Collected by: Meilani Lanier-Karnahalo
 Location: 106th + NE8 Bellevue
 Report To (PM): Mikamahal aspect consulting
 PM Email: Jess Smith Jsmith@aspectconsulting

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (C)***	EDB (8011)	PCPA & Metals	Comments
1 AET-N26-W1-15D	6/22/21	0940	S	3	X	X	X											PCPA & SN HOLD
2 AET-N28-W2-15D	6/22/21	0950	S	3	X	X	X											PCPA & SN HOLD
3 AET-TB-01	6/22/21	--		1														
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature) [Signature] Print Name [Name] Date/Time [Date]
 Relinquished (Signature) [Signature] Print Name [Name] Date/Time [Date]
 Received (Signature) [Signature] Print Name [Name] Date/Time [Date]



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 6-22-2021 Page: 1 of 1
Project Name: Schnitzer NE8
Project No: 190298
Collected by: Meilani Lanier-Karnahalo

Location: 106th + NE8 Bellevue
Report To (PM): M/Karnahalo@aspectconsulting
PM Email: Jess Smith Jsmith@aspectconsulting

Laboratory Project No (Internal): 266402
Special Remarks:
24 hr TAT
X = Run per MLK 6/23/21 - CG

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 - 625)	Metals** (EPA 8082 / 608)	Total (T) / Dissolved (D)	Anions (C)***	EDB (8011)	REPA 8 Metals	Comments
1 AET-N26-W1-15D	6/22/21	0940	S	3	X	X	X	X	X	X	X	X	X	X	X	X		REPA 8 on HOLD
2 AET-N28-W2-15D	6/22/21	0950	S	3	X	X	X	X	X	X	X	X	X	X	X	X		REPA 8 on HOLD
3 AET-TB-01	6/22/21	--	--	1														
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 Metals (Circle): MTCA-5 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) *Mikamalah* Print Name Mikamalah Date/Time 6/22/21
 Relinquished (Signature) *Jess Smith* Print Name Jess Smith Date/Time 6/22/21 15:37
 Received (Signature) *Mikamalah* Print Name Mikamalah Date/Time 6/22/21 14:40
 Received (Signature) *Jess Smith* Print Name Jess Smith Date/Time 6/22/21 15:37

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artiste

Work Order Number: 2106461

June 28, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 5 sample(s) on 6/24/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Mercury by EPA Method 7471

Sample Moisture (Percent Moisture)

Total Metals by EPA Method 6020B

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Jessica Smith

CLIENT: Aspect Consulting
Project: Schnitzer Artiste
Work Order: 2106461

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106461-001	Art-SE-SP-01	06/24/2021 9:10 AM	06/24/2021 3:17 PM
2106461-002	Art-SE-SP-Comp-01	06/24/2021 11:00 AM	06/24/2021 3:17 PM
2106461-003	Art-SE-SP-Comp-02	06/24/2021 11:10 AM	06/24/2021 3:17 PM
2106461-004	Art-N45-W06-153	06/24/2021 12:00 PM	06/24/2021 3:17 PM
2106461-005	Art-N43-W06-153	06/24/2021 12:26 PM	06/24/2021 3:17 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 6/24/2021 11:00:00 AM

Project: Schnitzer Artiste

Lab ID: 2106461-002

Matrix: Soil

Client Sample ID: Art-SE-SP-Comp-01

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32778

Analyst: MM

Diesel (Fuel Oil)	349	48.8		mg/Kg-dry	1	6/24/2021 5:39:17 PM
Heavy Oil	ND	97.7		mg/Kg-dry	1	6/24/2021 5:39:17 PM
Total Petroleum Hydrocarbons	349	147		mg/Kg-dry	1	6/24/2021 5:39:17 PM
Surr: 2-Fluorobiphenyl	71.6	50 - 150		%Rec	1	6/24/2021 5:39:17 PM
Surr: o-Terphenyl	88.3	50 - 150		%Rec	1	6/24/2021 5:39:17 PM

Gasoline by NWTPH-Gx

Batch ID: 32783

Analyst: CR

Gasoline	ND	3.93		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Surr: Toluene-d8	98.5	65 - 135		%Rec	1	6/25/2021 9:04:14 AM
Surr: 4-Bromofluorobenzene	102	65 - 135		%Rec	1	6/25/2021 9:04:14 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0393		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Chloromethane	ND	0.0629		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Vinyl chloride	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Bromomethane	ND	0.118		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Trichlorofluoromethane (CFC-11)	ND	0.0393		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Chloroethane	ND	0.0943		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,1-Dichloroethene	ND	0.0786		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Acetone	ND	0.393		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Methylene chloride	ND	0.0118		mg/Kg-dry	1	6/25/2021 9:04:14 AM
trans-1,2-Dichloroethene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Methyl tert-butyl ether (MTBE)	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,1-Dichloroethane	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
cis-1,2-Dichloroethene	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
(MEK) 2-Butanone	ND	0.354		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Chloroform	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,1,1-Trichloroethane (TCA)	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,1-Dichloropropene	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Carbon tetrachloride	ND	0.0590		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,2-Dichloroethane (EDC)	ND	0.0181		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Benzene	ND	0.0157		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Trichloroethene (TCE)	ND	0.0157		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,2-Dichloropropane	ND	0.0157		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Bromodichloromethane	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Dibromomethane	ND	0.0157		mg/Kg-dry	1	6/25/2021 9:04:14 AM
cis-1,3-Dichloropropene	ND	0.0629		mg/Kg-dry	1	6/25/2021 9:04:14 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 11:00:00 AM

Project: Schnitzer Artiste

Lab ID: 2106461-002

Matrix: Soil

Client Sample ID: Art-SE-SP-Comp-01

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Toluene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Trans-1,3-Dichloropropylene	ND	0.0393		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0590		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,1,2-Trichloroethane	ND	0.0134		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,3-Dichloropropane	ND	0.0157		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Tetrachloroethene (PCE)	ND	0.0314		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Dibromochloromethane	ND	0.0157		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,2-Dibromoethane (EDB)	ND	0.00786		mg/Kg-dry	1	6/25/2021 9:04:14 AM
2-Hexanone (MBK)	ND	0.0472		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Chlorobenzene	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,1,1,2-Tetrachloroethane	ND	0.0157		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Ethylbenzene	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
m,p-Xylene	ND	0.0393		mg/Kg-dry	1	6/25/2021 9:04:14 AM
o-Xylene	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Styrene	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Isopropylbenzene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Bromoform	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,1,1,2,2-Tetrachloroethane	ND	0.0118		mg/Kg-dry	1	6/25/2021 9:04:14 AM
n-Propylbenzene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Bromobenzene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,3,5-Trimethylbenzene	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
2-Chlorotoluene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
4-Chlorotoluene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
tert-Butylbenzene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,2,3-Trichloropropane	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,2,4-Trichlorobenzene	ND	0.0314		mg/Kg-dry	1	6/25/2021 9:04:14 AM
sec-Butylbenzene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
4-Isopropyltoluene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,3-Dichlorobenzene	ND	0.0275		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,4-Dichlorobenzene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
n-Butylbenzene	ND	0.0314		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,2-Dichlorobenzene	ND	0.0236		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,2-Dibromo-3-chloropropane	ND	0.0472		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,2,4-Trimethylbenzene	ND	0.0197		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Hexachloro-1,3-butadiene	ND	0.0393		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Naphthalene	ND	0.0786		mg/Kg-dry	1	6/25/2021 9:04:14 AM
1,2,3-Trichlorobenzene	ND	0.0393		mg/Kg-dry	1	6/25/2021 9:04:14 AM
Surr: Dibromofluoromethane	98.3	80 - 120		%Rec	1	6/25/2021 9:04:14 AM
Surr: Toluene-d8	97.2	80 - 120		%Rec	1	6/25/2021 9:04:14 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 11:00:00 AM

Project: Schnitzer Artiste

Lab ID: 2106461-002

Matrix: Soil

Client Sample ID: Art-SE-SP-Comp-01

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	102	80 - 120		%Rec	1	6/25/2021 9:04:14 AM
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Mercury by EPA Method 7471

Batch ID: 32789 Analyst: LB

Mercury	ND	0.242		mg/Kg-dry	1	6/25/2021 2:05:39 PM
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Total Metals by EPA Method 6020B

Batch ID: 32787 Analyst: EH

Arsenic	2.60	0.105		mg/Kg-dry	1	6/25/2021 5:28:44 PM
Barium	51.3	0.526		mg/Kg-dry	1	6/25/2021 5:28:44 PM
Cadmium	ND	0.175		mg/Kg-dry	1	6/25/2021 5:28:44 PM
Chromium	26.8	0.350		mg/Kg-dry	1	6/25/2021 5:28:44 PM
Lead	2.44	0.175		mg/Kg-dry	1	6/25/2021 5:28:44 PM
Selenium	0.902	0.175		mg/Kg-dry	1	6/25/2021 5:28:44 PM
Silver	ND	0.131		mg/Kg-dry	1	6/25/2021 5:28:44 PM

Sample Moisture (Percent Moisture)

Batch ID: R68209 Analyst: OK

Percent Moisture	7.95			wt%	1	6/25/2021 8:07:14 AM
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Client: Aspect Consulting

Collection Date: 6/24/2021 11:10:00 AM

Project: Schnitzer Artiste

Lab ID: 2106461-003

Matrix: Soil

Client Sample ID: Art-SE-SP-Comp-02

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32778

Analyst: MM

Diesel (Fuel Oil)	121	51.2		mg/Kg-dry	1	6/24/2021 6:04:57 PM
Heavy Oil	ND	102		mg/Kg-dry	1	6/24/2021 6:04:57 PM
Total Petroleum Hydrocarbons	ND	154		mg/Kg-dry	1	6/24/2021 6:04:57 PM
Surr: 2-Fluorobiphenyl	92.3	50 - 150		%Rec	1	6/24/2021 6:04:57 PM
Surr: o-Terphenyl	103	50 - 150		%Rec	1	6/24/2021 6:04:57 PM

Gasoline by NWTPH-Gx

Batch ID: 32783

Analyst: CR

Gasoline	ND	4.43		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Surr: Toluene-d8	93.3	65 - 135		%Rec	1	6/25/2021 9:34:50 AM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	6/25/2021 9:34:50 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0443		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Chloromethane	ND	0.0709		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Vinyl chloride	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Bromomethane	ND	0.133		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Trichlorofluoromethane (CFC-11)	ND	0.0443		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Chloroethane	ND	0.106		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,1-Dichloroethene	ND	0.0886		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Acetone	ND	0.443		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Methylene chloride	ND	0.0133		mg/Kg-dry	1	6/25/2021 9:34:50 AM
trans-1,2-Dichloroethene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Methyl tert-butyl ether (MTBE)	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,1-Dichloroethane	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
cis-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
(MEK) 2-Butanone	ND	0.399		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Chloroform	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,1,1-Trichloroethane (TCA)	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,1-Dichloropropene	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Carbon tetrachloride	ND	0.0665		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,2-Dichloroethane (EDC)	ND	0.0204		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Benzene	ND	0.0177		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Trichloroethene (TCE)	ND	0.0177		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,2-Dichloropropane	ND	0.0177		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Bromodichloromethane	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Dibromomethane	ND	0.0177		mg/Kg-dry	1	6/25/2021 9:34:50 AM
cis-1,3-Dichloropropene	ND	0.0709		mg/Kg-dry	1	6/25/2021 9:34:50 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 11:10:00 AM

Project: Schnitzer Artiste

Lab ID: 2106461-003

Matrix: Soil

Client Sample ID: Art-SE-SP-Comp-02

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Toluene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Trans-1,3-Dichloropropylene	ND	0.0443		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0665		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,1,2-Trichloroethane	ND	0.0151		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,3-Dichloropropane	ND	0.0177		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Tetrachloroethene (PCE)	ND	0.0354		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Dibromochloromethane	ND	0.0177		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,2-Dibromoethane (EDB)	ND	0.00886		mg/Kg-dry	1	6/25/2021 9:34:50 AM
2-Hexanone (MBK)	ND	0.0532		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Chlorobenzene	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,1,1,2-Tetrachloroethane	ND	0.0177		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Ethylbenzene	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
m,p-Xylene	ND	0.0443		mg/Kg-dry	1	6/25/2021 9:34:50 AM
o-Xylene	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Styrene	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Isopropylbenzene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Bromoform	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,1,2,2-Tetrachloroethane	ND	0.0133		mg/Kg-dry	1	6/25/2021 9:34:50 AM
n-Propylbenzene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Bromobenzene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,3,5-Trimethylbenzene	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
2-Chlorotoluene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
4-Chlorotoluene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
tert-Butylbenzene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,2,3-Trichloropropane	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,2,4-Trichlorobenzene	ND	0.0354		mg/Kg-dry	1	6/25/2021 9:34:50 AM
sec-Butylbenzene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
4-Isopropyltoluene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,3-Dichlorobenzene	ND	0.0310		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,4-Dichlorobenzene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
n-Butylbenzene	ND	0.0354		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,2-Dichlorobenzene	ND	0.0266		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,2-Dibromo-3-chloropropane	ND	0.0532		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,2,4-Trimethylbenzene	ND	0.0222		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Hexachloro-1,3-butadiene	ND	0.0443		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Naphthalene	ND	0.0886		mg/Kg-dry	1	6/25/2021 9:34:50 AM
1,2,3-Trichlorobenzene	ND	0.0443		mg/Kg-dry	1	6/25/2021 9:34:50 AM
Surr: Dibromofluoromethane	98.1	80 - 120		%Rec	1	6/25/2021 9:34:50 AM
Surr: Toluene-d8	101	80 - 120		%Rec	1	6/25/2021 9:34:50 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 11:10:00 AM

Project: Schnitzer Artiste

Lab ID: 2106461-003

Matrix: Soil

Client Sample ID: Art-SE-SP-Comp-02

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	103	80 - 120		%Rec	1	6/25/2021 9:34:50 AM
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Mercury by EPA Method 7471

Batch ID: 32805 Analyst: LB

Mercury	ND	0.266		mg/Kg-dry	1	6/28/2021 4:09:20 PM
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Total Metals by EPA Method 6020B

Batch ID: 32787 Analyst: EH

Arsenic	2.55	0.0978		mg/Kg-dry	1	6/25/2021 5:34:18 PM
Barium	51.6	0.489		mg/Kg-dry	1	6/25/2021 5:34:18 PM
Cadmium	ND	0.163		mg/Kg-dry	1	6/25/2021 5:34:18 PM
Chromium	26.5	0.326		mg/Kg-dry	1	6/25/2021 5:34:18 PM
Lead	3.01	0.163		mg/Kg-dry	1	6/25/2021 5:34:18 PM
Selenium	1.05	0.163		mg/Kg-dry	1	6/25/2021 5:34:18 PM
Silver	ND	0.122		mg/Kg-dry	1	6/25/2021 5:34:18 PM

Sample Moisture (Percent Moisture)

Batch ID: R68209 Analyst: OK

Percent Moisture	7.72			wt%	1	6/25/2021 8:07:14 AM
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Client: Aspect Consulting

Collection Date: 6/24/2021 12:00:00 PM

Project: Schnitzer Artiste

Lab ID: 2106461-004

Matrix: Soil

Client Sample ID: Art-N45-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32778

Analyst: MM

Diesel (Fuel Oil)	3,910	49.5		mg/Kg-dry	1	6/24/2021 6:17:43 PM
Heavy Oil	ND	99.0		mg/Kg-dry	1	6/24/2021 6:17:43 PM
Total Petroleum Hydrocarbons	3,910	148		mg/Kg-dry	1	6/24/2021 6:17:43 PM
Surr: 2-Fluorobiphenyl	61.8	50 - 150		%Rec	1	6/24/2021 6:17:43 PM
Surr: o-Terphenyl	106	50 - 150		%Rec	1	6/24/2021 6:17:43 PM

Gasoline by NWTPH-Gx

Batch ID: 32783

Analyst: CR

Gasoline	ND	4.34		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Surr: Toluene-d8	93.0	65 - 135		%Rec	1	6/25/2021 10:05:31 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	6/25/2021 10:05:31 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0434		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Chloromethane	ND	0.0695		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Vinyl chloride	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Bromomethane	ND	0.130		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Trichlorofluoromethane (CFC-11)	ND	0.0434		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Chloroethane	ND	0.104		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,1-Dichloroethene	ND	0.0868		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Acetone	ND	0.434		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Methylene chloride	ND	0.0130		mg/Kg-dry	1	6/25/2021 10:05:31 AM
trans-1,2-Dichloroethene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Methyl tert-butyl ether (MTBE)	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,1-Dichloroethane	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
cis-1,2-Dichloroethene	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
(MEK) 2-Butanone	ND	0.391		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Chloroform	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,1,1-Trichloroethane (TCA)	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,1-Dichloropropene	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Carbon tetrachloride	ND	0.0651		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,2-Dichloroethane (EDC)	ND	0.0200		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Benzene	ND	0.0174		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Trichloroethene (TCE)	ND	0.0174		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,2-Dichloropropane	ND	0.0174		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Bromodichloromethane	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Dibromomethane	ND	0.0174		mg/Kg-dry	1	6/25/2021 10:05:31 AM
cis-1,3-Dichloropropene	ND	0.0695		mg/Kg-dry	1	6/25/2021 10:05:31 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 12:00:00 PM

Project: Schnitzer Artiste

Lab ID: 2106461-004

Matrix: Soil

Client Sample ID: Art-N45-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Toluene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Trans-1,3-Dichloropropylene	ND	0.0434		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0651		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,1,2-Trichloroethane	ND	0.0148		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,3-Dichloropropane	ND	0.0174		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Tetrachloroethene (PCE)	ND	0.0347		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Dibromochloromethane	ND	0.0174		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,2-Dibromoethane (EDB)	ND	0.00868		mg/Kg-dry	1	6/25/2021 10:05:31 AM
2-Hexanone (MBK)	ND	0.0521		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Chlorobenzene	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,1,1,2-Tetrachloroethane	ND	0.0174		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Ethylbenzene	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
m,p-Xylene	ND	0.0434		mg/Kg-dry	1	6/25/2021 10:05:31 AM
o-Xylene	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Styrene	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Isopropylbenzene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Bromoform	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,1,2,2-Tetrachloroethane	ND	0.0130		mg/Kg-dry	1	6/25/2021 10:05:31 AM
n-Propylbenzene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Bromobenzene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,3,5-Trimethylbenzene	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
2-Chlorotoluene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
4-Chlorotoluene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
tert-Butylbenzene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,2,3-Trichloropropane	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,2,4-Trichlorobenzene	ND	0.0347		mg/Kg-dry	1	6/25/2021 10:05:31 AM
sec-Butylbenzene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
4-Isopropyltoluene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,3-Dichlorobenzene	ND	0.0304		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,4-Dichlorobenzene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
n-Butylbenzene	ND	0.0347		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,2-Dichlorobenzene	ND	0.0260		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,2-Dibromo-3-chloropropane	ND	0.0521		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,2,4-Trimethylbenzene	ND	0.0217		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Hexachloro-1,3-butadiene	ND	0.0434		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Naphthalene	ND	0.0868		mg/Kg-dry	1	6/25/2021 10:05:31 AM
1,2,3-Trichlorobenzene	ND	0.0434		mg/Kg-dry	1	6/25/2021 10:05:31 AM
Surr: Dibromofluoromethane	96.4	80 - 120		%Rec	1	6/25/2021 10:05:31 AM
Surr: Toluene-d8	99.2	80 - 120		%Rec	1	6/25/2021 10:05:31 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 12:00:00 PM

Project: Schnitzer Artiste

Lab ID: 2106461-004

Matrix: Soil

Client Sample ID: Art-N45-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 32783		Analyst: CR
Surr: 1-Bromo-4-fluorobenzene	99.2	80 - 120		%Rec	1	6/25/2021 10:05:31 AM
<u>Mercury by EPA Method 7471</u>				Batch ID: 32789		Analyst: LB
Mercury	ND	0.236		mg/Kg-dry	1	6/25/2021 2:17:30 PM
<u>Total Metals by EPA Method 6020B</u>				Batch ID: 32787		Analyst: EH
Arsenic	2.53	0.103		mg/Kg-dry	1	6/25/2021 5:39:52 PM
Barium	46.3	0.513		mg/Kg-dry	1	6/25/2021 5:39:52 PM
Cadmium	ND	0.171		mg/Kg-dry	1	6/25/2021 5:39:52 PM
Chromium	26.9	0.342		mg/Kg-dry	1	6/25/2021 5:39:52 PM
Lead	1.98	0.171		mg/Kg-dry	1	6/25/2021 5:39:52 PM
Selenium	0.981	0.171		mg/Kg-dry	1	6/25/2021 5:39:52 PM
Silver	ND	0.128		mg/Kg-dry	1	6/25/2021 5:39:52 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68209		Analyst: OK
Percent Moisture	8.54			wt%	1	6/25/2021 8:07:14 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 12:26:00 PM

Project: Schnitzer Artiste

Lab ID: 2106461-005

Matrix: Soil

Client Sample ID: Art-N43-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32778

Analyst: MM

Diesel (Fuel Oil)	3,970	50.2		mg/Kg-dry	1	6/24/2021 6:30:28 PM
Heavy Oil	ND	100		mg/Kg-dry	1	6/24/2021 6:30:28 PM
Total Petroleum Hydrocarbons	3,970	151		mg/Kg-dry	1	6/24/2021 6:30:28 PM
Surr: 2-Fluorobiphenyl	63.4	50 - 150		%Rec	1	6/24/2021 6:30:28 PM
Surr: o-Terphenyl	102	50 - 150		%Rec	1	6/24/2021 6:30:28 PM

Gasoline by NWTPH-Gx

Batch ID: 32783

Analyst: CR

Gasoline	ND	5.50		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Surr: Toluene-d8	106	65 - 135		%Rec	1	6/25/2021 10:36:19 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	6/25/2021 10:36:19 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0550		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Chloromethane	ND	0.0881		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Vinyl chloride	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Bromomethane	ND	0.165		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Trichlorofluoromethane (CFC-11)	ND	0.0550		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Chloroethane	ND	0.132		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,1-Dichloroethene	ND	0.110		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Acetone	ND	0.550		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Methylene chloride	ND	0.0165		mg/Kg-dry	1	6/25/2021 10:36:19 AM
trans-1,2-Dichloroethene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Methyl tert-butyl ether (MTBE)	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,1-Dichloroethane	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
cis-1,2-Dichloroethene	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
(MEK) 2-Butanone	ND	0.495		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Chloroform	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,1,1-Trichloroethane (TCA)	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,1-Dichloropropene	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Carbon tetrachloride	ND	0.0826		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,2-Dichloroethane (EDC)	ND	0.0253		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Benzene	ND	0.0220		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Trichloroethene (TCE)	ND	0.0220		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,2-Dichloropropane	ND	0.0220		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Bromodichloromethane	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Dibromomethane	ND	0.0220		mg/Kg-dry	1	6/25/2021 10:36:19 AM
cis-1,3-Dichloropropene	ND	0.0881		mg/Kg-dry	1	6/25/2021 10:36:19 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 12:26:00 PM

Project: Schnitzer Artiste

Lab ID: 2106461-005

Matrix: Soil

Client Sample ID: Art-N43-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Toluene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Trans-1,3-Dichloropropylene	ND	0.0550		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0826		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,1,2-Trichloroethane	ND	0.0187		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,3-Dichloropropane	ND	0.0220		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Tetrachloroethene (PCE)	ND	0.0440		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Dibromochloromethane	ND	0.0220		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,2-Dibromoethane (EDB)	ND	0.0110		mg/Kg-dry	1	6/25/2021 10:36:19 AM
2-Hexanone (MBK)	ND	0.0660		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Chlorobenzene	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,1,1,2-Tetrachloroethane	ND	0.0220		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Ethylbenzene	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
m,p-Xylene	ND	0.0550		mg/Kg-dry	1	6/25/2021 10:36:19 AM
o-Xylene	0.0384	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Styrene	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Isopropylbenzene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Bromoform	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,1,1,2-Tetrachloroethane	ND	0.0165		mg/Kg-dry	1	6/25/2021 10:36:19 AM
n-Propylbenzene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Bromobenzene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,3,5-Trimethylbenzene	0.184	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
2-Chlorotoluene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
4-Chlorotoluene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
tert-Butylbenzene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,2,3-Trichloropropane	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,2,4-Trichlorobenzene	ND	0.0440		mg/Kg-dry	1	6/25/2021 10:36:19 AM
sec-Butylbenzene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
4-Isopropyltoluene	0.173	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,3-Dichlorobenzene	ND	0.0385		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,4-Dichlorobenzene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
n-Butylbenzene	ND	0.0440		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,2-Dichlorobenzene	ND	0.0330		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,2-Dibromo-3-chloropropane	ND	0.0660		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,2,4-Trimethylbenzene	ND	0.0275		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Hexachloro-1,3-butadiene	ND	0.0550		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Naphthalene	ND	0.110		mg/Kg-dry	1	6/25/2021 10:36:19 AM
1,2,3-Trichlorobenzene	ND	0.0550		mg/Kg-dry	1	6/25/2021 10:36:19 AM
Surr: Dibromofluoromethane	92.0	80 - 120		%Rec	1	6/25/2021 10:36:19 AM
Surr: Toluene-d8	89.7	80 - 120		%Rec	1	6/25/2021 10:36:19 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 12:26:00 PM

Project: Schnitzer Artiste

Lab ID: 2106461-005

Matrix: Soil

Client Sample ID: Art-N43-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 32783		Analyst: CR
Surr: 1-Bromo-4-fluorobenzene	101	80 - 120		%Rec	1	6/25/2021 10:36:19 AM
<u>Mercury by EPA Method 7471</u>				Batch ID: 32789		Analyst: LB
Mercury	ND	0.250		mg/Kg-dry	1	6/25/2021 2:19:06 PM
<u>Total Metals by EPA Method 6020B</u>				Batch ID: 32787		Analyst: EH
Arsenic	2.38	0.107		mg/Kg-dry	1	6/25/2021 5:45:26 PM
Barium	48.7	0.533		mg/Kg-dry	1	6/25/2021 5:45:26 PM
Cadmium	ND	0.178		mg/Kg-dry	1	6/25/2021 5:45:26 PM
Chromium	23.2	0.355		mg/Kg-dry	1	6/25/2021 5:45:26 PM
Lead	1.80	0.178		mg/Kg-dry	1	6/25/2021 5:45:26 PM
Selenium	0.892	0.178		mg/Kg-dry	1	6/25/2021 5:45:26 PM
Silver	ND	0.133		mg/Kg-dry	1	6/25/2021 5:45:26 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68209		Analyst: OK
Percent Moisture	9.15			wt%	1	6/25/2021 8:07:14 AM

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-32787	SampType: MBLK	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68231							
Client ID: MBLKS	Batch ID: 32787		Analysis Date: 6/25/2021	SeqNo: 1377707							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0923									
Barium	ND	0.462									
Cadmium	ND	0.154									
Chromium	ND	0.308									
Lead	ND	0.154									
Selenium	ND	0.154									
Silver	ND	0.115									

Sample ID: LCS-32787	SampType: LCS	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68231							
Client ID: LCSS	Batch ID: 32787		Analysis Date: 6/25/2021	SeqNo: 1377708							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	36.9	0.0902	37.59	0	98.1	80	120				
Barium	34.6	0.451	37.59	0	92.2	80	120				
Cadmium	1.86	0.150	1.880	0	99.2	80	120				
Chromium	39.1	0.301	37.59	0	104	80	120				
Lead	18.7	0.150	18.80	0	99.6	80	120				
Selenium	3.60	0.150	3.759	0	95.7	80	120				
Silver	1.77	0.113	1.880	0	93.9	80	120				

Sample ID: 2106456-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68231							
Client ID: BATCH	Batch ID: 32787		Analysis Date: 6/25/2021	SeqNo: 1377713							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	64.5	0.165	68.95	0.7335	92.5	75	125				
Barium	66.9	0.827	68.95	6.597	87.4	75	125				
Cadmium	3.23	0.276	3.447	0	93.7	75	125				
Chromium	63.0	0.552	68.95	1.383	89.4	75	125				
Lead	32.1	0.276	34.47	0.06690	92.9	75	125				

Work Order: 2106461
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2106456-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68231							
Client ID: BATCH	Batch ID: 32787	Analysis Date: 6/25/2021	SeqNo: 1377713								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	6.14	0.276	6.895	0	89.1	75	125				
Silver	2.15	0.207	3.447	0	62.4	75	125				S

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: 2106456-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68231							
Client ID: BATCH	Batch ID: 32787	Analysis Date: 6/25/2021	SeqNo: 1377714								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	63.2	0.165	68.95	0.7335	90.6	75	125	64.54	2.06	20	
Barium	67.8	0.827	68.95	6.597	88.7	75	125	66.89	1.32	20	
Cadmium	3.18	0.276	3.447	0	92.3	75	125	3.229	1.48	20	
Chromium	63.2	0.552	68.95	1.383	89.7	75	125	63.04	0.335	20	
Lead	31.6	0.276	34.47	0.06690	91.4	75	125	32.11	1.67	20	
Selenium	6.42	0.276	6.895	0	93.1	75	125	6.145	4.36	20	
Silver	2.22	0.207	3.447	0	64.5	75	125	2.152	3.31	20	S

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: 2106456-002APDS	SampType: PDS	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68231							
Client ID: BATCH	Batch ID: 32787	Analysis Date: 6/25/2021	SeqNo: 1377715								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	1.71	0.214	3.56	0	48.1	75	125				S
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NOTES:

S - Outlying spike recovery observed (low bias).

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-32789	SampType: MBLK	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68225							
Client ID: MBLKS	Batch ID: 32789	Analysis Date: 6/25/2021	SeqNo: 1377540								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-32789	SampType: LCS	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68225							
Client ID: LCSS	Batch ID: 32789	Analysis Date: 6/25/2021	SeqNo: 1377541								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.533 0.250 0.5000 0 107 80 120

Sample ID: 2106461-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68225							
Client ID: Art-SE-SP-Comp-01	Batch ID: 32789	Analysis Date: 6/25/2021	SeqNo: 1377543								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.251 0 20

Sample ID: 2106461-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68225							
Client ID: Art-SE-SP-Comp-01	Batch ID: 32789	Analysis Date: 6/25/2021	SeqNo: 1377544								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.242 0.4850 0.01455 -0.640 70 130 S

NOTES:

S - Spike was inadvertently omitted from this sample. MSD recovered within range.

Sample ID: 2106461-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68225							
Client ID: Art-SE-SP-Comp-01	Batch ID: 32789	Analysis Date: 6/25/2021	SeqNo: 1377545								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.557 0.256 0.5124 0.01455 106 70 130 0.01145 192 20 R

NOTES:

R - High RPD observed. The method is in control as indicated by the LCS.

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-32805	SampType: MBLK	Units: mg/Kg	Prep Date: 6/28/2021	RunNo: 68260							
Client ID: MBLKS	Batch ID: 32805	Analysis Date: 6/28/2021	SeqNo: 1378428								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-32805	SampType: LCS	Units: mg/Kg	Prep Date: 6/28/2021	RunNo: 68260							
Client ID: LCSS	Batch ID: 32805	Analysis Date: 6/28/2021	SeqNo: 1378429								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.494 0.250 0.5000 0 98.8 80 120

Sample ID: 2106156-015ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/28/2021	RunNo: 68260							
Client ID: BATCH	Batch ID: 32805	Analysis Date: 6/28/2021	SeqNo: 1378431								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.243 0 20

Sample ID: 2106156-015AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/28/2021	RunNo: 68260							
Client ID: BATCH	Batch ID: 32805	Analysis Date: 6/28/2021	SeqNo: 1378432								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.508 0.235 0.4701 0.01528 105 70 130

Sample ID: 2106156-015AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/28/2021	RunNo: 68260							
Client ID: BATCH	Batch ID: 32805	Analysis Date: 6/28/2021	SeqNo: 1378433								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.543 0.262 0.5233 0.01528 101 70 130 0.5077 6.76 20

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-32778	SampType: MBLK	Units: mg/Kg				Prep Date: 6/24/2021	RunNo: 68183				
Client ID: MBLKS	Batch ID: 32778					Analysis Date: 6/24/2021	SeqNo: 1376653				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.63		10.00		86.3	50	150				
Surr: o-Terphenyl	9.55		10.00		95.5	50	150				

Sample ID: LCS-32778	SampType: LCS	Units: mg/Kg				Prep Date: 6/24/2021	RunNo: 68183				
Client ID: LCSS	Batch ID: 32778					Analysis Date: 6/24/2021	SeqNo: 1376654				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	528	150	500.0	0	106	75.7	116				
Surr: 2-Fluorobiphenyl	9.10		10.00		91.0	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: 2106448-002AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 6/24/2021	RunNo: 68183				
Client ID: BATCH	Batch ID: 32778					Analysis Date: 6/24/2021	SeqNo: 1376655				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	550	158	528.2	0	104	59.6	134				
Surr: 2-Fluorobiphenyl	9.66		10.56		91.4	50	150				
Surr: o-Terphenyl	12.5		10.56		118	50	150				

Sample ID: 2106448-002AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 6/24/2021	RunNo: 68183				
Client ID: BATCH	Batch ID: 32778					Analysis Date: 6/24/2021	SeqNo: 1376657				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	588	156	521.7	0	113	59.6	134	550.2	6.65	30	
Surr: 2-Fluorobiphenyl	10.6		10.43		101	50	150		0		
Surr: o-Terphenyl	13.6		10.43		130	50	150		0		

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2106448-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68183							
Client ID: BATCH	Batch ID: 32778	Analysis Date: 6/24/2021	SeqNo: 1376657								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2106461-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68183							
Client ID: Art-SE-SP-Comp-01	Batch ID: 32778	Analysis Date: 6/24/2021	SeqNo: 1377160								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	392	47.7						349.2	11.7	30	
Heavy Oil	ND	95.4						0		30	
Total Petroleum Hydrocarbons	392	143						349.2	11.7	30	
Surr: 2-Fluorobiphenyl	6.50		9.538		68.2	50	150		0		
Surr: o-Terphenyl	7.99		9.538		83.8	50	150		0		

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32783	SampType: LCS	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68221							
Client ID: LCSS	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377454							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	25.1	5.00	25.00	0	100	65	135				
Surr: Toluene-d8	1.22		1.250		97.9	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		103	65	135				

Sample ID: MB-32783	SampType: MBLK	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68221							
Client ID: MBLKS	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377455							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.24		1.250		99.2	65	135				
Surr: 4-Bromofluorobenzene	1.19		1.250		95.1	65	135				

Sample ID: 2106396-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68221							
Client ID: BATCH	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377457							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	0.641						0		30	
Surr: Toluene-d8	0.156		0.1603		97.4	65	135		0		
Surr: 4-Bromofluorobenzene	0.311		0.1603		194	65	135		0		S

NOTES:

S - Outlying surrogate recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: 2106448-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68221							
Client ID: BATCH	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377460							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.15						0		30	
Surr: Toluene-d8	1.58		1.537		103	65	135		0		
Surr: 4-Bromofluorobenzene	1.46		1.537		94.9	65	135		0		

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2106448-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68221							
Client ID: BATCH	Batch ID: 32783	Analysis Date: 6/25/2021	SeqNo: 1377461								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	24.3	5.22	26.12	0	93.0	65	135				
Surr: Toluene-d8	1.28		1.306		98.1	65	135				
Surr: 4-Bromofluorobenzene	1.35		1.306		104	65	135				

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32783	SampType: LCS	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68220
Client ID: LCSS	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377451

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.03	0.0500	1.000	0	103	80	120				
Chloromethane	0.889	0.0800	1.000	0	88.9	80	120				
Vinyl chloride	0.978	0.0250	1.000	0	97.8	80	120				
Bromomethane	0.838	0.150	1.000	0	83.8	80	120				
Trichlorofluoromethane (CFC-11)	1.00	0.0500	1.000	0	100	80	120				
Chloroethane	0.805	0.120	1.000	0	80.5	80	120				
1,1-Dichloroethene	0.971	0.100	1.000	0	97.1	80	120				
Acetone	2.98	0.500	2.500	0	119	80	120				
Methylene chloride	0.975	0.0150	1.000	0	97.5	80	120				
trans-1,2-Dichloroethene	0.970	0.0300	1.000	0	97.0	80	120				
Methyl tert-butyl ether (MTBE)	1.14	0.0300	1.000	0	114	80	120				
1,1-Dichloroethane	0.980	0.0250	1.000	0	98.0	80	120				
cis-1,2-Dichloroethene	0.964	0.0250	1.000	0	96.4	80	120				
(MEK) 2-Butanone	2.89	0.450	2.500	0	116	80	120				
Chloroform	0.979	0.0250	1.000	0	97.9	80	120				
1,1,1-Trichloroethane (TCA)	0.991	0.0250	1.000	0	99.1	80	120				
1,1-Dichloropropene	0.992	0.0250	1.000	0	99.2	80	120				
Carbon tetrachloride	0.996	0.0750	1.000	0	99.6	80	120				
1,2-Dichloroethane (EDC)	1.04	0.0230	1.000	0	104	80	120				
Benzene	0.968	0.0200	1.000	0	96.8	80	120				
Trichloroethene (TCE)	0.963	0.0200	1.000	0	96.3	80	120				
1,2-Dichloropropane	0.966	0.0200	1.000	0	96.6	80	120				
Bromodichloromethane	0.998	0.0250	1.000	0	99.8	80	120				
Dibromomethane	1.06	0.0200	1.000	0	106	80	120				
cis-1,3-Dichloropropene	1.01	0.0800	1.000	0	101	80	120				
Toluene	0.985	0.0300	1.000	0	98.5	80	120				
Trans-1,3-Dichloropropylene	1.06	0.0500	1.000	0	106	80	120				
Methyl Isobutyl Ketone (MIBK)	3.00	0.0750	2.500	0	120	80	120				
1,1,2-Trichloroethane	1.08	0.0170	1.000	0	108	80	120				
1,3-Dichloropropane	1.06	0.0200	1.000	0	106	80	120				

Work Order: 2106461
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32783	SampType: LCS	Units: mg/Kg				Prep Date: 6/24/2021	RunNo: 68220				
Client ID: LCSS	Batch ID: 32783					Analysis Date: 6/24/2021	SeqNo: 1377451				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.02	0.0400	1.000	0	102	80	120				
Dibromochloromethane	1.06	0.0200	1.000	0	106	80	120				
1,2-Dibromoethane (EDB)	1.09	0.0100	1.000	0	109	80	120				
2-Hexanone (MBK)	3.08	0.0600	2.500	0	123	80	120				S
Chlorobenzene	0.988	0.0250	1.000	0	98.8	80	120				
1,1,1,2-Tetrachloroethane	1.01	0.0200	1.000	0	101	80	120				
Ethylbenzene	0.976	0.0250	1.000	0	97.6	80	120				
m,p-Xylene	1.99	0.0500	2.000	0	99.5	80	120				
o-Xylene	0.987	0.0250	1.000	0	98.7	80	120				
Styrene	1.01	0.0250	1.000	0	101	80	120				
Isopropylbenzene	0.992	0.0300	1.000	0	99.2	80	120				
Bromoform	1.12	0.0250	1.000	0	112	80	120				
1,1,2,2-Tetrachloroethane	1.16	0.0150	1.000	0	116	80	120				
n-Propylbenzene	1.01	0.0300	1.000	0	101	80	120				
Bromobenzene	1.03	0.0300	1.000	0	103	80	120				
1,3,5-Trimethylbenzene	1.01	0.0250	1.000	0	101	80	120				
2-Chlorotoluene	1.00	0.0300	1.000	0	100	80	120				
4-Chlorotoluene	1.00	0.0300	1.000	0	100	80	120				
tert-Butylbenzene	1.02	0.0300	1.000	0	102	80	120				
1,2,3-Trichloropropane	1.17	0.0250	1.000	0	117	80	120				
1,2,4-Trichlorobenzene	0.998	0.0400	1.000	0	99.8	80	120				
sec-Butylbenzene	1.03	0.0300	1.000	0	103	80	120				
4-Isopropyltoluene	1.04	0.0300	1.000	0	104	80	120				
1,3-Dichlorobenzene	1.01	0.0350	1.000	0	101	80	120				
1,4-Dichlorobenzene	0.997	0.0300	1.000	0	99.7	80	120				
n-Butylbenzene	0.995	0.0400	1.000	0	99.5	80	120				
1,2-Dichlorobenzene	1.02	0.0300	1.000	0	102	80	120				
1,2-Dibromo-3-chloropropane	1.16	0.0600	1.000	0	116	80	120				
1,2,4-Trimethylbenzene	1.02	0.0250	1.000	0	102	80	120				
Hexachloro-1,3-butadiene	0.974	0.0500	1.000	0	97.4	80	120				

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32783	SampType: LCS	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: LCSS	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377451							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.01	0.100	1.000	0	101	80	120				
1,2,3-Trichlorobenzene	0.919	0.0500	1.000	0	91.9	80	120				
Surr: Dibromofluoromethane	1.28		1.250		102	80	120				
Surr: Toluene-d8	1.28		1.250		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.32		1.250		106	80	120				

NOTES:

S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: MB-32783	SampType: MBLK	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: MBLKS	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377430							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32783	SampType: MBLK	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: MBLKS	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377430							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									

Work Order: 2106461
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32783	SampType: MBLK	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: MBLKS	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377430							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.24		1.250		99.6	80	120				
Surr: Toluene-d8	1.22		1.250		97.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.3	80	120				

Sample ID: 2106396-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: BATCH	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377436							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0321						0		30	
Chloromethane	ND	0.0513						0		30	
Vinyl chloride	ND	0.0160						0		30	
Bromomethane	ND	0.0962						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0321						0		30	
Chloroethane	ND	0.0769						0		30	
1,1-Dichloroethene	ND	0.0641						0		30	
Acetone	ND	0.321						0		30	
Methylene chloride	ND	0.00962						0		30	

Work Order: 2106461
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106396-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: BATCH	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377436							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0192						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0192						0		30	
1,1-Dichloroethane	ND	0.0160						0		30	
cis-1,2-Dichloroethene	ND	0.0160						0		30	
(MEK) 2-Butanone	ND	0.289						0		30	
Chloroform	ND	0.0160						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0160						0		30	
1,1-Dichloropropene	ND	0.0160						0		30	
Carbon tetrachloride	ND	0.0481						0		30	
1,2-Dichloroethane (EDC)	ND	0.0147						0		30	
Benzene	0.0179	0.0128						0.01848	3.36	30	
Trichloroethene (TCE)	ND	0.0128						0		30	
1,2-Dichloropropane	ND	0.0128						0		30	
Bromodichloromethane	ND	0.0160						0		30	
Dibromomethane	ND	0.0128						0		30	
cis-1,3-Dichloropropene	ND	0.0513						0		30	
Toluene	ND	0.0192						0		30	
Trans-1,3-Dichloropropylene	ND	0.0321						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0481						0		30	
1,1,2-Trichloroethane	ND	0.0109						0		30	
1,3-Dichloropropane	ND	0.0128						0		30	
Tetrachloroethene (PCE)	ND	0.0256						0		30	
Dibromochloromethane	ND	0.0128						0		30	
1,2-Dibromoethane (EDB)	ND	0.00641						0		30	
2-Hexanone (MBK)	ND	0.0385						0		30	
Chlorobenzene	ND	0.0160						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0128						0		30	
Ethylbenzene	ND	0.0160						0		30	
m,p-Xylene	ND	0.0321						0		30	
o-Xylene	ND	0.0160						0		30	

Work Order: 2106461
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106396-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: BATCH	Batch ID: 32783	Analysis Date: 6/24/2021	SeqNo: 1377436								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Styrene	ND	0.0160						0		30	
Isopropylbenzene	ND	0.0192						0		30	
Bromoform	ND	0.0160						0		30	
1,1,2,2-Tetrachloroethane	ND	0.00962						0		30	
n-Propylbenzene	ND	0.0192						0		30	
Bromobenzene	ND	0.0192						0		30	
1,3,5-Trimethylbenzene	ND	0.0160						0		30	
2-Chlorotoluene	ND	0.0192						0		30	
4-Chlorotoluene	ND	0.0192						0		30	
tert-Butylbenzene	ND	0.0192						0		30	
1,2,3-Trichloropropane	ND	0.0160						0		30	
1,2,4-Trichlorobenzene	ND	0.0256						0		30	
sec-Butylbenzene	ND	0.0192						0		30	
4-Isopropyltoluene	ND	0.0192						0		30	
1,3-Dichlorobenzene	ND	0.0224						0		30	
1,4-Dichlorobenzene	ND	0.0192						0		30	
n-Butylbenzene	ND	0.0256						0		30	
1,2-Dichlorobenzene	ND	0.0192						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0385						0		30	
1,2,4-Trimethylbenzene	ND	0.0160						0		30	
Hexachloro-1,3-butadiene	ND	0.0321						0		30	
Naphthalene	ND	0.0641						0		30	
1,2,3-Trichlorobenzene	ND	0.0321						0		30	
Surr: Dibromofluoromethane	0.793		0.8014		99.0	80	120		0		
Surr: Toluene-d8	0.772		0.8014		96.3	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.54		2.244		68.7	80	120		0		S

NOTES:

S - Outlying surrogate recovery(ies) observed.

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106448-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: BATCH	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377443							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0615						0		30	
Chloromethane	ND	0.0984						0		30	
Vinyl chloride	ND	0.0307						0		30	
Bromomethane	ND	0.184						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0615						0		30	
Chloroethane	ND	0.148						0		30	
1,1-Dichloroethene	ND	0.123						0		30	
Acetone	ND	0.615						0		30	
Methylene chloride	ND	0.0184						0		30	
trans-1,2-Dichloroethene	ND	0.0369						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0369						0		30	
1,1-Dichloroethane	ND	0.0307						0		30	
cis-1,2-Dichloroethene	ND	0.0307						0		30	
(MEK) 2-Butanone	ND	0.553						0		30	
Chloroform	ND	0.0307						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0307						0		30	
1,1-Dichloropropene	ND	0.0307						0		30	
Carbon tetrachloride	ND	0.0922						0		30	
1,2-Dichloroethane (EDC)	ND	0.0283						0		30	
Benzene	ND	0.0246						0		30	
Trichloroethene (TCE)	ND	0.0246						0		30	
1,2-Dichloropropane	ND	0.0246						0		30	
Bromodichloromethane	ND	0.0307						0		30	
Dibromomethane	ND	0.0246						0		30	
cis-1,3-Dichloropropene	ND	0.0984						0		30	
Toluene	ND	0.0369						0		30	
Trans-1,3-Dichloropropylene	ND	0.0615						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0922						0		30	
1,1,2-Trichloroethane	ND	0.0209						0		30	
1,3-Dichloropropane	ND	0.0246						0		30	

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106448-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: BATCH	Batch ID: 32783		Analysis Date: 6/24/2021	SeqNo: 1377443							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0492						0		30	
Dibromochloromethane	ND	0.0246						0		30	
1,2-Dibromoethane (EDB)	ND	0.0123						0		30	
2-Hexanone (MBK)	ND	0.0738						0		30	
Chlorobenzene	ND	0.0307						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0246						0		30	
Ethylbenzene	ND	0.0307						0		30	
m,p-Xylene	ND	0.0615						0		30	
o-Xylene	ND	0.0307						0		30	
Styrene	ND	0.0307						0		30	
Isopropylbenzene	ND	0.0369						0		30	
Bromoform	ND	0.0307						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0184						0		30	
n-Propylbenzene	ND	0.0369						0		30	
Bromobenzene	ND	0.0369						0		30	
1,3,5-Trimethylbenzene	ND	0.0307						0		30	
2-Chlorotoluene	ND	0.0369						0		30	
4-Chlorotoluene	ND	0.0369						0		30	
tert-Butylbenzene	ND	0.0369						0		30	
1,2,3-Trichloropropane	ND	0.0307						0		30	
1,2,4-Trichlorobenzene	ND	0.0492						0		30	
sec-Butylbenzene	ND	0.0369						0		30	
4-Isopropyltoluene	ND	0.0369						0		30	
1,3-Dichlorobenzene	ND	0.0430						0		30	
1,4-Dichlorobenzene	ND	0.0369						0		30	
n-Butylbenzene	ND	0.0492						0		30	
1,2-Dichlorobenzene	ND	0.0369						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0738						0		30	
1,2,4-Trimethylbenzene	ND	0.0307						0		30	
Hexachloro-1,3-butadiene	ND	0.0615						0		30	

Work Order: 2106461
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106448-002BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 6/24/2021	RunNo: 68220				
Client ID: BATCH	Batch ID: 32783					Analysis Date: 6/24/2021	SeqNo: 1377443				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.123						0		30	
1,2,3-Trichlorobenzene	ND	0.0615						0		30	
Surr: Dibromofluoromethane	1.51		1.537		98.3	80	120		0		
Surr: Toluene-d8	1.54		1.537		99.9	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.45		1.537		94.1	80	120		0		

Sample ID: 2106363-001BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 6/24/2021	RunNo: 68220				
Client ID: BATCH	Batch ID: 32783					Analysis Date: 6/25/2021	SeqNo: 1377444				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.05	0.0542	1.083	0	96.5	5	173				
Chloromethane	0.974	0.0867	1.083	0	89.9	39.5	138				
Vinyl chloride	1.08	0.0271	1.083	0	99.4	41.9	145				
Bromomethane	1.03	0.162	1.083	0	95.5	63.4	160				
Trichlorofluoromethane (CFC-11)	1.07	0.0542	1.083	0	99.1	32.4	158				
Chloroethane	0.990	0.130	1.083	0	91.4	40.1	160				
1,1-Dichloroethene	1.08	0.108	1.083	0	100	62.1	135				
Acetone	3.32	0.542	2.708	0	123	45.8	168				
Methylene chloride	1.11	0.0162	1.083	0	102	65.6	137				
trans-1,2-Dichloroethene	1.09	0.0325	1.083	0	100	65.4	137				
Methyl tert-butyl ether (MTBE)	1.23	0.0325	1.083	0	113	48.1	157				
1,1-Dichloroethane	1.11	0.0271	1.083	0	102	61.9	142				
cis-1,2-Dichloroethene	1.09	0.0271	1.083	0	100	81.9	124				
(MEK) 2-Butanone	3.11	0.487	2.708	0	115	56	144				
Chloroform	1.10	0.0271	1.083	0	102	79.3	127				
1,1,1-Trichloroethane (TCA)	1.11	0.0271	1.083	0	103	80	121				
1,1-Dichloropropene	1.10	0.0271	1.083	0	101	76.4	127				
Carbon tetrachloride	1.08	0.0812	1.083	0	100	68.6	130				
1,2-Dichloroethane (EDC)	1.13	0.0249	1.083	0	105	70.1	137				
Benzene	1.10	0.0217	1.083	0	101	80	123				

Work Order: 2106461
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106363-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: BATCH	Batch ID: 32783		Analysis Date: 6/25/2021	SeqNo: 1377444							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	1.15	0.0217	1.083	0	106	79	130				
1,2-Dichloropropane	1.12	0.0217	1.083	0	103	80	121				
Bromodichloromethane	1.09	0.0271	1.083	0	101	72.8	124				
Dibromomethane	1.16	0.0217	1.083	0	107	77.2	122				
cis-1,3-Dichloropropene	1.08	0.0867	1.083	0	99.5	75.1	121				
Toluene	1.09	0.0325	1.083	0	101	80	125				
Trans-1,3-Dichloropropylene	1.08	0.0542	1.083	0	99.4	73.9	122				
Methyl Isobutyl Ketone (MIBK)	3.11	0.0812	2.708	0	115	47.1	154				
1,1,2-Trichloroethane	1.15	0.0184	1.083	0	106	76.2	123				
1,3-Dichloropropane	1.13	0.0217	1.083	0	104	67.2	131				
Tetrachloroethene (PCE)	1.10	0.0433	1.083	0	101	77.2	128				
Dibromochloromethane	1.08	0.0217	1.083	0	99.8	63.3	129				
1,2-Dibromoethane (EDB)	1.15	0.0108	1.083	0	106	75.1	124				
2-Hexanone (MBK)	3.16	0.0650	2.708	0	117	40.5	170				
Chlorobenzene	1.09	0.0271	1.083	0	100	80	120				
1,1,1,2-Tetrachloroethane	1.09	0.0217	1.083	0	101	80	120				
Ethylbenzene	1.09	0.0271	1.083	0	101	80	133				
m,p-Xylene	2.19	0.0542	2.166	0	101	80	129				
o-Xylene	1.08	0.0271	1.083	0	99.5	73.4	131				
Styrene	1.10	0.0271	1.083	0	102	77.4	125				
Isopropylbenzene	1.08	0.0325	1.083	0	99.9	76.7	132				
Bromoform	1.11	0.0271	1.083	0	103	69.7	127				
1,1,1,2,2-Tetrachloroethane	1.11	0.0162	1.083	0	103	62.8	132				
n-Propylbenzene	1.09	0.0325	1.083	0	101	77.2	134				
Bromobenzene	1.11	0.0325	1.083	0	102	77.2	125				
1,3,5-Trimethylbenzene	1.10	0.0271	1.083	0	102	79.8	125				
2-Chlorotoluene	1.09	0.0325	1.083	0	101	78.3	127				
4-Chlorotoluene	1.10	0.0325	1.083	0	102	79.9	123				
tert-Butylbenzene	1.10	0.0325	1.083	0	102	74.7	132				
1,2,3-Trichloropropane	1.16	0.0271	1.083	0	107	65.9	128				

Work Order: 2106461
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106363-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68220							
Client ID: BATCH	Batch ID: 32783		Analysis Date: 6/25/2021	SeqNo: 1377444							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	1.07	0.0433	1.083	0	98.6	78.5	129				
sec-Butylbenzene	1.11	0.0325	1.083	0	102	73.8	135				
4-Isopropyltoluene	1.13	0.0325	1.083	0	104	73.9	134				
1,3-Dichlorobenzene	1.09	0.0379	1.083	0	100	80	123				
1,4-Dichlorobenzene	1.08	0.0325	1.083	0	99.9	80	122				
n-Butylbenzene	1.05	0.0433	1.083	0	96.7	80	130				
1,2-Dichlorobenzene	1.09	0.0325	1.083	0	101	80	120				
1,2-Dibromo-3-chloropropane	1.12	0.0650	1.083	0	104	66.1	131				
1,2,4-Trimethylbenzene	1.12	0.0271	1.083	0	103	80	124				
Hexachloro-1,3-butadiene	1.03	0.0542	1.083	0	95.0	70.9	135				
Naphthalene	1.11	0.108	1.083	0	102	53.8	164				
1,2,3-Trichlorobenzene	1.06	0.0542	1.083	0	98.0	75.8	131				
Surr: Dibromofluoromethane	1.39		1.354		103	80	120				
Surr: Toluene-d8	1.38		1.354		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.41		1.354		104	80	120				

Client Name: **AC**

 Work Order Number: **2106461**

 Logged by: **Clare Griggs**

 Date Received: **6/24/2021 3:17:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.5

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artiste

Work Order Number: 2106484

June 28, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 9 sample(s) on 6/25/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Jessica Smith

CLIENT: Aspect Consulting
Project: Schnitzer Artiste
Work Order: 2106484

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106484-001	Art-TB-01	06/04/2021 12:00 AM	06/25/2021 4:11 PM
2106484-002	Art-N40-W08-153	06/25/2021 12:00 PM	06/25/2021 4:11 PM
2106484-003	Art-N40-W12-159	06/25/2021 12:10 PM	06/25/2021 4:11 PM
2106484-004	Art-N40-W12-153	06/25/2021 12:20 PM	06/25/2021 4:11 PM
2106484-005	Art-N44-W05-153	06/25/2021 2:10 PM	06/25/2021 4:11 PM
2106484-006	Art-N47-W06-153	06/25/2021 2:15 PM	06/25/2021 4:11 PM
2106484-007	Art-N47-W08-156	06/25/2021 2:20 PM	06/25/2021 4:11 PM
2106484-008	Art-N50-W08-156	06/25/2021 2:25 PM	06/25/2021 4:11 PM
2106484-009	Art-N53-W08-156	06/25/2021 2:30 PM	06/25/2021 4:11 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 6/4/2021

Project: Schnitzer Artiste

Lab ID: 2106484-001

Matrix: Soil

Client Sample ID: Art-TB-01

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500	QH	mg/Kg	1	6/26/2021 6:22:27 AM
Chloromethane	ND	0.0800	QH	mg/Kg	1	6/26/2021 6:22:27 AM
Vinyl chloride	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
Bromomethane	ND	0.150	H	mg/Kg	1	6/26/2021 6:22:27 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500	H	mg/Kg	1	6/26/2021 6:22:27 AM
Chloroethane	ND	0.120	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,1-Dichloroethene	ND	0.100	H	mg/Kg	1	6/26/2021 6:22:27 AM
Acetone	ND	0.500	H	mg/Kg	1	6/26/2021 6:22:27 AM
Methylene chloride	ND	0.0150	H	mg/Kg	1	6/26/2021 6:22:27 AM
trans-1,2-Dichloroethene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
Methyl tert-butyl ether (MTBE)	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,1-Dichloroethane	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
cis-1,2-Dichloroethene	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
(MEK) 2-Butanone	ND	0.450	H	mg/Kg	1	6/26/2021 6:22:27 AM
Chloroform	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,1,1-Trichloroethane (TCA)	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,1-Dichloropropene	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
Carbon tetrachloride	ND	0.0750	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,2-Dichloroethane (EDC)	ND	0.0230	H	mg/Kg	1	6/26/2021 6:22:27 AM
Benzene	ND	0.0200	H	mg/Kg	1	6/26/2021 6:22:27 AM
Trichloroethene (TCE)	ND	0.0200	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,2-Dichloropropane	ND	0.0200	H	mg/Kg	1	6/26/2021 6:22:27 AM
Bromodichloromethane	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
Dibromomethane	ND	0.0200	H	mg/Kg	1	6/26/2021 6:22:27 AM
cis-1,3-Dichloropropene	ND	0.0800	H	mg/Kg	1	6/26/2021 6:22:27 AM
Toluene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
Trans-1,3-Dichloropropylene	ND	0.0500	H	mg/Kg	1	6/26/2021 6:22:27 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,1,2-Trichloroethane	ND	0.0170	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,3-Dichloropropane	ND	0.0200	H	mg/Kg	1	6/26/2021 6:22:27 AM
Tetrachloroethene (PCE)	ND	0.0400	H	mg/Kg	1	6/26/2021 6:22:27 AM
Dibromochloromethane	ND	0.0200	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,2-Dibromoethane (EDB)	ND	0.0100	H	mg/Kg	1	6/26/2021 6:22:27 AM
2-Hexanone (MBK)	ND	0.0600	H	mg/Kg	1	6/26/2021 6:22:27 AM
Chlorobenzene	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,1,1,2-Tetrachloroethane	ND	0.0200	H	mg/Kg	1	6/26/2021 6:22:27 AM
Ethylbenzene	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
m,p-Xylene	ND	0.0500	H	mg/Kg	1	6/26/2021 6:22:27 AM
o-Xylene	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM



Client: Aspect Consulting

Collection Date: 6/4/2021

Project: Schnitzer Artiste

Lab ID: 2106484-001

Matrix: Soil

Client Sample ID: Art-TB-01

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Styrene	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
Isopropylbenzene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
Bromoform	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,1,2,2-Tetrachloroethane	ND	0.0150	H	mg/Kg	1	6/26/2021 6:22:27 AM
n-Propylbenzene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
Bromobenzene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,3,5-Trimethylbenzene	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
2-Chlorotoluene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
4-Chlorotoluene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
tert-Butylbenzene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,2,3-Trichloropropane	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,2,4-Trichlorobenzene	ND	0.0400	H	mg/Kg	1	6/26/2021 6:22:27 AM
sec-Butylbenzene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
4-Isopropyltoluene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,3-Dichlorobenzene	ND	0.0350	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,4-Dichlorobenzene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
n-Butylbenzene	ND	0.0400	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,2-Dichlorobenzene	ND	0.0300	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,2-Dibromo-3-chloropropane	ND	0.0600	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,2,4-Trimethylbenzene	ND	0.0250	H	mg/Kg	1	6/26/2021 6:22:27 AM
Hexachloro-1,3-butadiene	ND	0.0500	H	mg/Kg	1	6/26/2021 6:22:27 AM
Naphthalene	ND	0.100	H	mg/Kg	1	6/26/2021 6:22:27 AM
1,2,3-Trichlorobenzene	ND	0.0500	H	mg/Kg	1	6/26/2021 6:22:27 AM
Surr: Dibromofluoromethane	96.4	80 - 120	H	%Rec	1	6/26/2021 6:22:27 AM
Surr: Toluene-d8	97.2	80 - 120	H	%Rec	1	6/26/2021 6:22:27 AM
Surr: 1-Bromo-4-fluorobenzene	94.3	80 - 120	H	%Rec	1	6/26/2021 6:22:27 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Client: Aspect Consulting

Collection Date: 6/25/2021 12:00:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-002

Matrix: Soil

Client Sample ID: Art-N40-W08-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32802

Analyst: MM

Diesel (Fuel Oil)	ND	51.2		mg/Kg-dry	1	6/28/2021 11:08:54 AM
Heavy Oil	ND	102		mg/Kg-dry	1	6/28/2021 11:08:54 AM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	6/28/2021 11:08:54 AM
Surr: 2-Fluorobiphenyl	76.4	50 - 150		%Rec	1	6/28/2021 11:08:54 AM
Surr: o-Terphenyl	94.4	50 - 150		%Rec	1	6/28/2021 11:08:54 AM

Gasoline by NWTPH-Gx

Batch ID: 32800

Analyst: CR

Gasoline	ND	4.82		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	6/26/2021 6:52:35 AM
Surr: 4-Bromofluorobenzene	88.4	65 - 135		%Rec	1	6/26/2021 6:52:35 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0482	Q	mg/Kg-dry	1	6/26/2021 6:52:35 AM
Chloromethane	ND	0.0771	Q	mg/Kg-dry	1	6/26/2021 6:52:35 AM
Vinyl chloride	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Bromomethane	ND	0.145		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Trichlorofluoromethane (CFC-11)	ND	0.0482		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Chloroethane	ND	0.116		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,1-Dichloroethene	ND	0.0964		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Acetone	ND	0.482		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Methylene chloride	ND	0.0145		mg/Kg-dry	1	6/26/2021 6:52:35 AM
trans-1,2-Dichloroethene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Methyl tert-butyl ether (MTBE)	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,1-Dichloroethane	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
cis-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
(MEK) 2-Butanone	ND	0.434		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Chloroform	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,1,1-Trichloroethane (TCA)	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,1-Dichloropropene	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Carbon tetrachloride	ND	0.0723		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,2-Dichloroethane (EDC)	ND	0.0222		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Benzene	ND	0.0193		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Trichloroethene (TCE)	ND	0.0193		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,2-Dichloropropane	ND	0.0193		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Bromodichloromethane	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Dibromomethane	ND	0.0193		mg/Kg-dry	1	6/26/2021 6:52:35 AM
cis-1,3-Dichloropropene	ND	0.0771		mg/Kg-dry	1	6/26/2021 6:52:35 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 12:00:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-002

Matrix: Soil

Client Sample ID: Art-N40-W08-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Toluene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Trans-1,3-Dichloropropylene	ND	0.0482		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0723		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,1,2-Trichloroethane	ND	0.0164		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,3-Dichloropropane	ND	0.0193		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Tetrachloroethene (PCE)	ND	0.0386		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Dibromochloromethane	ND	0.0193		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,2-Dibromoethane (EDB)	ND	0.00964		mg/Kg-dry	1	6/26/2021 6:52:35 AM
2-Hexanone (MBK)	ND	0.0578		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Chlorobenzene	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,1,1,2-Tetrachloroethane	ND	0.0193		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Ethylbenzene	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
m,p-Xylene	ND	0.0482		mg/Kg-dry	1	6/26/2021 6:52:35 AM
o-Xylene	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Styrene	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Isopropylbenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Bromoform	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,1,1,2-Tetrachloroethane	ND	0.0145		mg/Kg-dry	1	6/26/2021 6:52:35 AM
n-Propylbenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Bromobenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,3,5-Trimethylbenzene	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
2-Chlorotoluene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
4-Chlorotoluene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
tert-Butylbenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,2,3-Trichloropropane	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,2,4-Trichlorobenzene	ND	0.0386		mg/Kg-dry	1	6/26/2021 6:52:35 AM
sec-Butylbenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
4-Isopropyltoluene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,3-Dichlorobenzene	ND	0.0337		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,4-Dichlorobenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
n-Butylbenzene	ND	0.0386		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,2-Dichlorobenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,2-Dibromo-3-chloropropane	ND	0.0578		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,2,4-Trimethylbenzene	ND	0.0241		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Hexachloro-1,3-butadiene	ND	0.0482		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Naphthalene	ND	0.0964		mg/Kg-dry	1	6/26/2021 6:52:35 AM
1,2,3-Trichlorobenzene	ND	0.0482		mg/Kg-dry	1	6/26/2021 6:52:35 AM
Surr: Dibromofluoromethane	95.8	80 - 120		%Rec	1	6/26/2021 6:52:35 AM
Surr: Toluene-d8	95.8	80 - 120		%Rec	1	6/26/2021 6:52:35 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 12:00:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-002

Matrix: Soil

Client Sample ID: Art-N40-W08-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Surr: 1-Bromo-4-fluorobenzene

94.7

80 - 120

%Rec

1

6/26/2021 6:52:35 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Batch ID: R68242

Analyst: MCH

Percent Moisture

8.32

0.500

wt%

1

6/28/2021 9:31:36 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 12:10:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-003

Matrix: Soil

Client Sample ID: Art-N40-W12-159

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32802

Analyst: MM

Diesel (Fuel Oil)	ND	48.5		mg/Kg-dry	1	6/28/2021 11:21:36 AM
Heavy Oil	ND	96.9		mg/Kg-dry	1	6/28/2021 11:21:36 AM
Total Petroleum Hydrocarbons	ND	145		mg/Kg-dry	1	6/28/2021 11:21:36 AM
Surr: 2-Fluorobiphenyl	74.6	50 - 150		%Rec	1	6/28/2021 11:21:36 AM
Surr: o-Terphenyl	89.8	50 - 150		%Rec	1	6/28/2021 11:21:36 AM

Gasoline by NWTPH-Gx

Batch ID: 32800

Analyst: CR

Gasoline	ND	6.72		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	6/26/2021 7:22:47 AM
Surr: 4-Bromofluorobenzene	87.7	65 - 135		%Rec	1	6/26/2021 7:22:47 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0672	Q	mg/Kg-dry	1	6/26/2021 7:22:47 AM
Chloromethane	ND	0.108	Q	mg/Kg-dry	1	6/26/2021 7:22:47 AM
Vinyl chloride	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Bromomethane	ND	0.202		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Trichlorofluoromethane (CFC-11)	ND	0.0672		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Chloroethane	ND	0.161		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,1-Dichloroethene	ND	0.134		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Acetone	ND	0.672		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Methylene chloride	ND	0.0202		mg/Kg-dry	1	6/26/2021 7:22:47 AM
trans-1,2-Dichloroethene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Methyl tert-butyl ether (MTBE)	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,1-Dichloroethane	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
cis-1,2-Dichloroethene	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
(MEK) 2-Butanone	ND	0.605		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Chloroform	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,1,1-Trichloroethane (TCA)	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,1-Dichloropropene	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Carbon tetrachloride	ND	0.101		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,2-Dichloroethane (EDC)	ND	0.0309		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Benzene	ND	0.0269		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Trichloroethene (TCE)	ND	0.0269		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,2-Dichloropropane	ND	0.0269		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Bromodichloromethane	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Dibromomethane	ND	0.0269		mg/Kg-dry	1	6/26/2021 7:22:47 AM
cis-1,3-Dichloropropene	ND	0.108		mg/Kg-dry	1	6/26/2021 7:22:47 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 12:10:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-003

Matrix: Soil

Client Sample ID: Art-N40-W12-159

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Toluene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Trans-1,3-Dichloropropylene	ND	0.0672		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.101		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,1,2-Trichloroethane	ND	0.0229		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,3-Dichloropropane	ND	0.0269		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Tetrachloroethene (PCE)	ND	0.0538		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Dibromochloromethane	ND	0.0269		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,2-Dibromoethane (EDB)	ND	0.0134		mg/Kg-dry	1	6/26/2021 7:22:47 AM
2-Hexanone (MBK)	ND	0.0807		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Chlorobenzene	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,1,1,2-Tetrachloroethane	ND	0.0269		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Ethylbenzene	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
m,p-Xylene	ND	0.0672		mg/Kg-dry	1	6/26/2021 7:22:47 AM
o-Xylene	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Styrene	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Isopropylbenzene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Bromoform	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,1,1,2-Tetrachloroethane	ND	0.0202		mg/Kg-dry	1	6/26/2021 7:22:47 AM
n-Propylbenzene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Bromobenzene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,3,5-Trimethylbenzene	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
2-Chlorotoluene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
4-Chlorotoluene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
tert-Butylbenzene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,2,3-Trichloropropane	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,2,4-Trichlorobenzene	ND	0.0538		mg/Kg-dry	1	6/26/2021 7:22:47 AM
sec-Butylbenzene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
4-Isopropyltoluene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,3-Dichlorobenzene	ND	0.0471		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,4-Dichlorobenzene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
n-Butylbenzene	ND	0.0538		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,2-Dichlorobenzene	ND	0.0403		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,2-Dibromo-3-chloropropane	ND	0.0807		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,2,4-Trimethylbenzene	ND	0.0336		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Hexachloro-1,3-butadiene	ND	0.0672		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Naphthalene	ND	0.134		mg/Kg-dry	1	6/26/2021 7:22:47 AM
1,2,3-Trichlorobenzene	ND	0.0672		mg/Kg-dry	1	6/26/2021 7:22:47 AM
Surr: Dibromofluoromethane	97.1	80 - 120		%Rec	1	6/26/2021 7:22:47 AM
Surr: Toluene-d8	95.9	80 - 120		%Rec	1	6/26/2021 7:22:47 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 12:10:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-003

Matrix: Soil

Client Sample ID: Art-N40-W12-159

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Surr: 1-Bromo-4-fluorobenzene

93.7

80 - 120

%Rec

1

6/26/2021 7:22:47 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Batch ID: R68242

Analyst: MCH

Percent Moisture

9.88

0.500

wt%

1

6/28/2021 9:31:36 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 12:20:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-004

Matrix: Soil

Client Sample ID: Art-N40-W12-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32802

Analyst: MM

Diesel (Fuel Oil)	ND	46.7		mg/Kg-dry	1	6/28/2021 11:34:19 AM
Heavy Oil	ND	93.4		mg/Kg-dry	1	6/28/2021 11:34:19 AM
Total Petroleum Hydrocarbons	ND	140		mg/Kg-dry	1	6/28/2021 11:34:19 AM
Surr: 2-Fluorobiphenyl	73.4	50 - 150		%Rec	1	6/28/2021 11:34:19 AM
Surr: o-Terphenyl	85.1	50 - 150		%Rec	1	6/28/2021 11:34:19 AM

Gasoline by NWTPH-Gx

Batch ID: 32800

Analyst: CR

Gasoline	ND	4.72		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	6/26/2021 7:52:58 AM
Surr: 4-Bromofluorobenzene	86.8	65 - 135		%Rec	1	6/26/2021 7:52:58 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0472	Q	mg/Kg-dry	1	6/26/2021 7:52:58 AM
Chloromethane	ND	0.0755	Q	mg/Kg-dry	1	6/26/2021 7:52:58 AM
Vinyl chloride	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Bromomethane	ND	0.142		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Trichlorofluoromethane (CFC-11)	ND	0.0472		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Chloroethane	ND	0.113		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,1-Dichloroethene	ND	0.0944		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Acetone	ND	0.472		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Methylene chloride	ND	0.0142		mg/Kg-dry	1	6/26/2021 7:52:58 AM
trans-1,2-Dichloroethene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Methyl tert-butyl ether (MTBE)	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,1-Dichloroethane	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
cis-1,2-Dichloroethene	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
(MEK) 2-Butanone	ND	0.425		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Chloroform	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,1,1-Trichloroethane (TCA)	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,1-Dichloropropene	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Carbon tetrachloride	ND	0.0708		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,2-Dichloroethane (EDC)	ND	0.0217		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Benzene	ND	0.0189		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Trichloroethene (TCE)	ND	0.0189		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,2-Dichloropropane	ND	0.0189		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Bromodichloromethane	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Dibromomethane	ND	0.0189		mg/Kg-dry	1	6/26/2021 7:52:58 AM
cis-1,3-Dichloropropene	ND	0.0755		mg/Kg-dry	1	6/26/2021 7:52:58 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 12:20:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-004

Matrix: Soil

Client Sample ID: Art-N40-W12-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Toluene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Trans-1,3-Dichloropropylene	ND	0.0472		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0708		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,1,2-Trichloroethane	ND	0.0161		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,3-Dichloropropane	ND	0.0189		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Tetrachloroethene (PCE)	ND	0.0378		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Dibromochloromethane	ND	0.0189		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,2-Dibromoethane (EDB)	ND	0.00944		mg/Kg-dry	1	6/26/2021 7:52:58 AM
2-Hexanone (MBK)	ND	0.0567		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Chlorobenzene	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,1,1,2-Tetrachloroethane	ND	0.0189		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Ethylbenzene	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
m,p-Xylene	ND	0.0472		mg/Kg-dry	1	6/26/2021 7:52:58 AM
o-Xylene	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Styrene	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Isopropylbenzene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Bromoform	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,1,2,2-Tetrachloroethane	ND	0.0142		mg/Kg-dry	1	6/26/2021 7:52:58 AM
n-Propylbenzene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Bromobenzene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,3,5-Trimethylbenzene	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
2-Chlorotoluene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
4-Chlorotoluene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
tert-Butylbenzene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,2,3-Trichloropropane	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,2,4-Trichlorobenzene	ND	0.0378		mg/Kg-dry	1	6/26/2021 7:52:58 AM
sec-Butylbenzene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
4-Isopropyltoluene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,3-Dichlorobenzene	ND	0.0330		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,4-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
n-Butylbenzene	ND	0.0378		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,2-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,2-Dibromo-3-chloropropane	ND	0.0567		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,2,4-Trimethylbenzene	ND	0.0236		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Hexachloro-1,3-butadiene	ND	0.0472		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Naphthalene	ND	0.0944		mg/Kg-dry	1	6/26/2021 7:52:58 AM
1,2,3-Trichlorobenzene	ND	0.0472		mg/Kg-dry	1	6/26/2021 7:52:58 AM
Surr: Dibromofluoromethane	95.3	80 - 120		%Rec	1	6/26/2021 7:52:58 AM
Surr: Toluene-d8	95.9	80 - 120		%Rec	1	6/26/2021 7:52:58 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 12:20:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-004

Matrix: Soil

Client Sample ID: Art-N40-W12-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Surr: 1-Bromo-4-fluorobenzene

92.9

80 - 120

%Rec

1

6/26/2021 7:52:58 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Batch ID: R68242

Analyst: MCH

Percent Moisture

7.33

0.500

wt%

1

6/28/2021 9:31:36 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:10:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-005

Matrix: Soil

Client Sample ID: Art-N44-W05-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32802

Analyst: MM

Diesel (Fuel Oil)	ND	46.5		mg/Kg-dry	1	6/28/2021 11:47:05 AM
Heavy Oil	ND	93.0		mg/Kg-dry	1	6/28/2021 11:47:05 AM
Total Petroleum Hydrocarbons	ND	139		mg/Kg-dry	1	6/28/2021 11:47:05 AM
Surr: 2-Fluorobiphenyl	80.1	50 - 150		%Rec	1	6/28/2021 11:47:05 AM
Surr: o-Terphenyl	96.6	50 - 150		%Rec	1	6/28/2021 11:47:05 AM

Gasoline by NWTPH-Gx

Batch ID: 32800

Analyst: CR

Gasoline	ND	5.23		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	6/26/2021 8:23:08 AM
Surr: 4-Bromofluorobenzene	88.7	65 - 135		%Rec	1	6/26/2021 8:23:08 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0523	Q	mg/Kg-dry	1	6/26/2021 8:23:08 AM
Chloromethane	ND	0.0836	Q	mg/Kg-dry	1	6/26/2021 8:23:08 AM
Vinyl chloride	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Bromomethane	ND	0.157		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Trichlorofluoromethane (CFC-11)	ND	0.0523		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Chloroethane	ND	0.125		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,1-Dichloroethene	ND	0.105		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Acetone	ND	0.523		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Methylene chloride	ND	0.0157		mg/Kg-dry	1	6/26/2021 8:23:08 AM
trans-1,2-Dichloroethene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Methyl tert-butyl ether (MTBE)	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,1-Dichloroethane	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
cis-1,2-Dichloroethene	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
(MEK) 2-Butanone	ND	0.470		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Chloroform	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,1,1-Trichloroethane (TCA)	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,1-Dichloropropene	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Carbon tetrachloride	ND	0.0784		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,2-Dichloroethane (EDC)	ND	0.0240		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Benzene	ND	0.0209		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Trichloroethene (TCE)	ND	0.0209		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,2-Dichloropropane	ND	0.0209		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Bromodichloromethane	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Dibromomethane	ND	0.0209		mg/Kg-dry	1	6/26/2021 8:23:08 AM
cis-1,3-Dichloropropene	ND	0.0836		mg/Kg-dry	1	6/26/2021 8:23:08 AM



Analytical Report

Work Order: 2106484

Date Reported: 6/28/2021

Client: Aspect Consulting

Collection Date: 6/25/2021 2:10:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-005

Matrix: Soil

Client Sample ID: Art-N44-W05-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Toluene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Trans-1,3-Dichloropropylene	ND	0.0523		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0784		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,1,2-Trichloroethane	ND	0.0178		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,3-Dichloropropane	ND	0.0209		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Tetrachloroethene (PCE)	ND	0.0418		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Dibromochloromethane	ND	0.0209		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,2-Dibromoethane (EDB)	ND	0.0105		mg/Kg-dry	1	6/26/2021 8:23:08 AM
2-Hexanone (MBK)	ND	0.0627		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Chlorobenzene	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,1,1,2-Tetrachloroethane	ND	0.0209		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Ethylbenzene	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
m,p-Xylene	ND	0.0523		mg/Kg-dry	1	6/26/2021 8:23:08 AM
o-Xylene	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Styrene	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Isopropylbenzene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Bromoform	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,1,1,2-Tetrachloroethane	ND	0.0157		mg/Kg-dry	1	6/26/2021 8:23:08 AM
n-Propylbenzene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Bromobenzene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,3,5-Trimethylbenzene	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
2-Chlorotoluene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
4-Chlorotoluene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
tert-Butylbenzene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,2,3-Trichloropropane	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,2,4-Trichlorobenzene	ND	0.0418		mg/Kg-dry	1	6/26/2021 8:23:08 AM
sec-Butylbenzene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
4-Isopropyltoluene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,3-Dichlorobenzene	ND	0.0366		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,4-Dichlorobenzene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
n-Butylbenzene	ND	0.0418		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,2-Dichlorobenzene	ND	0.0314		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,2-Dibromo-3-chloropropane	ND	0.0627		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,2,4-Trimethylbenzene	ND	0.0261		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Hexachloro-1,3-butadiene	ND	0.0523		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Naphthalene	ND	0.105		mg/Kg-dry	1	6/26/2021 8:23:08 AM
1,2,3-Trichlorobenzene	ND	0.0523		mg/Kg-dry	1	6/26/2021 8:23:08 AM
Surr: Dibromofluoromethane	96.9	80 - 120		%Rec	1	6/26/2021 8:23:08 AM
Surr: Toluene-d8	97.5	80 - 120		%Rec	1	6/26/2021 8:23:08 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:10:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-005

Matrix: Soil

Client Sample ID: Art-N44-W05-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Surr: 1-Bromo-4-fluorobenzene

94.9

80 - 120

%Rec

1

6/26/2021 8:23:08 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Batch ID: R68242

Analyst: MCH

Percent Moisture

8.23

0.500

wt%

1

6/28/2021 9:31:36 AM



Analytical Report

Work Order: 2106484
Date Reported: 6/28/2021

Client: Aspect Consulting

Collection Date: 6/25/2021 2:15:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-006

Matrix: Soil

Client Sample ID: Art-N47-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>						
				Batch ID: 32802	Analyst: MM	
Diesel (Fuel Oil)	998	48.7		mg/Kg-dry	1	6/28/2021 11:59:49 AM
Heavy Oil	ND	97.4		mg/Kg-dry	1	6/28/2021 11:59:49 AM
Total Petroleum Hydrocarbons	998	146		mg/Kg-dry	1	6/28/2021 11:59:49 AM
Surr: 2-Fluorobiphenyl	91.9	50 - 150		%Rec	1	6/28/2021 11:59:49 AM
Surr: o-Terphenyl	102	50 - 150		%Rec	1	6/28/2021 11:59:49 AM

Gasoline by NWTPH-Gx

Batch ID: 32800 Analyst: CR

Gasoline	ND	5.10		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Surr: Toluene-d8	96.3	65 - 135		%Rec	1	6/26/2021 8:53:16 AM
Surr: 4-Bromofluorobenzene	181	65 - 135	S	%Rec	1	6/26/2021 8:53:16 AM

NOTES:

S - Outlying surrogate recovery attributed to TPH interference. The method is in control as indicated by the Method Blank (MB) & Laboratory Control Sample (LCS).

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0510	Q	mg/Kg-dry	1	6/26/2021 8:53:16 AM
Chloromethane	ND	0.0816	Q	mg/Kg-dry	1	6/26/2021 8:53:16 AM
Vinyl chloride	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Bromomethane	ND	0.153		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Trichlorofluoromethane (CFC-11)	ND	0.0510		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Chloroethane	ND	0.122		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,1-Dichloroethene	ND	0.102		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Acetone	ND	0.510		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Methylene chloride	ND	0.0153		mg/Kg-dry	1	6/26/2021 8:53:16 AM
trans-1,2-Dichloroethene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Methyl tert-butyl ether (MTBE)	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,1-Dichloroethane	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
cis-1,2-Dichloroethene	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
(MEK) 2-Butanone	ND	0.459		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Chloroform	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,1,1-Trichloroethane (TCA)	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,1-Dichloropropene	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Carbon tetrachloride	ND	0.0765		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,2-Dichloroethane (EDC)	ND	0.0235		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Benzene	ND	0.0204		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Trichloroethene (TCE)	ND	0.0204		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,2-Dichloropropane	ND	0.0204		mg/Kg-dry	1	6/26/2021 8:53:16 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:15:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-006

Matrix: Soil

Client Sample ID: Art-N47-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Bromodichloromethane	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Dibromomethane	ND	0.0204		mg/Kg-dry	1	6/26/2021 8:53:16 AM
cis-1,3-Dichloropropene	ND	0.0816		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Toluene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Trans-1,3-Dichloropropylene	ND	0.0510		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0765		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,1,2-Trichloroethane	ND	0.0173		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,3-Dichloropropane	ND	0.0204		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Tetrachloroethene (PCE)	ND	0.0408		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Dibromochloromethane	ND	0.0204		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,2-Dibromoethane (EDB)	ND	0.0102		mg/Kg-dry	1	6/26/2021 8:53:16 AM
2-Hexanone (MBK)	ND	0.0612		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Chlorobenzene	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,1,1,2-Tetrachloroethane	ND	0.0204		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Ethylbenzene	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
m,p-Xylene	ND	0.0510		mg/Kg-dry	1	6/26/2021 8:53:16 AM
o-Xylene	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Styrene	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Isopropylbenzene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Bromoform	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,1,2,2-Tetrachloroethane	ND	0.0153		mg/Kg-dry	1	6/26/2021 8:53:16 AM
n-Propylbenzene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Bromobenzene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,3,5-Trimethylbenzene	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
2-Chlorotoluene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
4-Chlorotoluene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
tert-Butylbenzene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,2,3-Trichloropropane	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,2,4-Trichlorobenzene	ND	0.0408		mg/Kg-dry	1	6/26/2021 8:53:16 AM
sec-Butylbenzene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
4-Isopropyltoluene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,3-Dichlorobenzene	ND	0.0357		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,4-Dichlorobenzene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
n-Butylbenzene	ND	0.0408		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,2-Dichlorobenzene	ND	0.0306		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,2-Dibromo-3-chloropropane	ND	0.0612		mg/Kg-dry	1	6/26/2021 8:53:16 AM
1,2,4-Trimethylbenzene	ND	0.0255		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Hexachloro-1,3-butadiene	ND	0.0510		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Naphthalene	ND	0.102		mg/Kg-dry	1	6/26/2021 8:53:16 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:15:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-006

Matrix: Soil

Client Sample ID: Art-N47-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

1,2,3-Trichlorobenzene	ND	0.0510		mg/Kg-dry	1	6/26/2021 8:53:16 AM
Surr: Dibromofluoromethane	112	80 - 120		%Rec	1	6/26/2021 8:53:16 AM
Surr: Toluene-d8	97.1	80 - 120		%Rec	1	6/26/2021 8:53:16 AM
Surr: 1-Bromo-4-fluorobenzene	104	80 - 120		%Rec	1	6/26/2021 8:53:16 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Batch ID: R68242

Analyst: MCH

Percent Moisture	8.05	0.500		wt%	1	6/28/2021 9:31:36 AM
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Client: Aspect Consulting

Collection Date: 6/25/2021 2:20:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-007

Matrix: Soil

Client Sample ID: Art-N47-W08-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32802

Analyst: MM

Diesel (Fuel Oil)	ND	45.4		mg/Kg-dry	1	6/28/2021 12:38:19 PM
Heavy Oil	137	90.7		mg/Kg-dry	1	6/28/2021 12:38:19 PM
Total Petroleum Hydrocarbons	137	136		mg/Kg-dry	1	6/28/2021 12:38:19 PM
Surr: 2-Fluorobiphenyl	90.3	50 - 150		%Rec	1	6/28/2021 12:38:19 PM
Surr: o-Terphenyl	99.9	50 - 150		%Rec	1	6/28/2021 12:38:19 PM

Gasoline by NWTPH-Gx

Batch ID: 32800

Analyst: CR

Gasoline	ND	4.86		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Surr: Toluene-d8	98.9	65 - 135		%Rec	1	6/26/2021 9:23:27 AM
Surr: 4-Bromofluorobenzene	92.1	65 - 135		%Rec	1	6/26/2021 9:23:27 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0486	Q	mg/Kg-dry	1	6/26/2021 9:23:27 AM
Chloromethane	ND	0.0778	Q	mg/Kg-dry	1	6/26/2021 9:23:27 AM
Vinyl chloride	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Bromomethane	ND	0.146		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Trichlorofluoromethane (CFC-11)	ND	0.0486		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Chloroethane	ND	0.117		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,1-Dichloroethene	ND	0.0972		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Acetone	ND	0.486		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Methylene chloride	ND	0.0146		mg/Kg-dry	1	6/26/2021 9:23:27 AM
trans-1,2-Dichloroethene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Methyl tert-butyl ether (MTBE)	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,1-Dichloroethane	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
cis-1,2-Dichloroethene	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
(MEK) 2-Butanone	ND	0.437		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Chloroform	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,1,1-Trichloroethane (TCA)	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,1-Dichloropropene	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Carbon tetrachloride	ND	0.0729		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,2-Dichloroethane (EDC)	ND	0.0224		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Benzene	ND	0.0194		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Trichloroethene (TCE)	ND	0.0194		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,2-Dichloropropane	ND	0.0194		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Bromodichloromethane	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Dibromomethane	ND	0.0194		mg/Kg-dry	1	6/26/2021 9:23:27 AM
cis-1,3-Dichloropropene	ND	0.0778		mg/Kg-dry	1	6/26/2021 9:23:27 AM



Analytical Report

Work Order: 2106484
Date Reported: 6/28/2021

Client: Aspect Consulting

Collection Date: 6/25/2021 2:20:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-007

Matrix: Soil

Client Sample ID: Art-N47-W08-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Toluene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Trans-1,3-Dichloropropylene	ND	0.0486		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0729		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,1,2-Trichloroethane	ND	0.0165		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,3-Dichloropropane	ND	0.0194		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Tetrachloroethene (PCE)	ND	0.0389		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Dibromochloromethane	ND	0.0194		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,2-Dibromoethane (EDB)	ND	0.00972		mg/Kg-dry	1	6/26/2021 9:23:27 AM
2-Hexanone (MBK)	ND	0.0583		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Chlorobenzene	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,1,1,2-Tetrachloroethane	ND	0.0194		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Ethylbenzene	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
m,p-Xylene	ND	0.0486		mg/Kg-dry	1	6/26/2021 9:23:27 AM
o-Xylene	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Styrene	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Isopropylbenzene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Bromoform	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,1,2,2-Tetrachloroethane	ND	0.0146		mg/Kg-dry	1	6/26/2021 9:23:27 AM
n-Propylbenzene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Bromobenzene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,3,5-Trimethylbenzene	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
2-Chlorotoluene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
4-Chlorotoluene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
tert-Butylbenzene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,2,3-Trichloropropane	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,2,4-Trichlorobenzene	ND	0.0389		mg/Kg-dry	1	6/26/2021 9:23:27 AM
sec-Butylbenzene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
4-Isopropyltoluene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,3-Dichlorobenzene	ND	0.0340		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,4-Dichlorobenzene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
n-Butylbenzene	ND	0.0389		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,2-Dichlorobenzene	ND	0.0292		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,2-Dibromo-3-chloropropane	ND	0.0583		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,2,4-Trimethylbenzene	ND	0.0243		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Hexachloro-1,3-butadiene	ND	0.0486		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Naphthalene	ND	0.0972		mg/Kg-dry	1	6/26/2021 9:23:27 AM
1,2,3-Trichlorobenzene	ND	0.0486		mg/Kg-dry	1	6/26/2021 9:23:27 AM
Surr: Dibromofluoromethane	96.5	80 - 120		%Rec	1	6/26/2021 9:23:27 AM
Surr: Toluene-d8	95.7	80 - 120		%Rec	1	6/26/2021 9:23:27 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:20:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-007

Matrix: Soil

Client Sample ID: Art-N47-W08-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Surr: 1-Bromo-4-fluorobenzene

96.5

80 - 120

%Rec

1

6/26/2021 9:23:27 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Batch ID: R68242

Analyst: MCH

Percent Moisture

6.65

0.500

wt%

1

6/28/2021 9:31:36 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:25:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-008

Matrix: Soil

Client Sample ID: Art-N50-W08-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32802

Analyst: MM

Diesel (Fuel Oil)	ND	47.2		mg/Kg-dry	1	6/28/2021 12:25:31 PM
Heavy Oil	ND	94.4		mg/Kg-dry	1	6/28/2021 12:25:31 PM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	6/28/2021 12:25:31 PM
Surr: 2-Fluorobiphenyl	72.1	50 - 150		%Rec	1	6/28/2021 12:25:31 PM
Surr: o-Terphenyl	86.0	50 - 150		%Rec	1	6/28/2021 12:25:31 PM

Gasoline by NWTPH-Gx

Batch ID: 32800

Analyst: CR

Gasoline	ND	4.65		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	6/26/2021 9:53:36 AM
Surr: 4-Bromofluorobenzene	91.0	65 - 135		%Rec	1	6/26/2021 9:53:36 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0465	Q	mg/Kg-dry	1	6/26/2021 9:53:36 AM
Chloromethane	ND	0.0743	Q	mg/Kg-dry	1	6/26/2021 9:53:36 AM
Vinyl chloride	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Bromomethane	ND	0.139		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Trichlorofluoromethane (CFC-11)	ND	0.0465		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Chloroethane	ND	0.112		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,1-Dichloroethene	ND	0.0929		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Acetone	ND	0.465		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Methylene chloride	ND	0.0139		mg/Kg-dry	1	6/26/2021 9:53:36 AM
trans-1,2-Dichloroethene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Methyl tert-butyl ether (MTBE)	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,1-Dichloroethane	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
cis-1,2-Dichloroethene	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
(MEK) 2-Butanone	ND	0.418		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Chloroform	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,1,1-Trichloroethane (TCA)	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,1-Dichloropropene	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Carbon tetrachloride	ND	0.0697		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,2-Dichloroethane (EDC)	ND	0.0214		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Benzene	ND	0.0186		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Trichloroethene (TCE)	ND	0.0186		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,2-Dichloropropane	ND	0.0186		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Bromodichloromethane	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Dibromomethane	ND	0.0186		mg/Kg-dry	1	6/26/2021 9:53:36 AM
cis-1,3-Dichloropropene	ND	0.0743		mg/Kg-dry	1	6/26/2021 9:53:36 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:25:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-008

Matrix: Soil

Client Sample ID: Art-N50-W08-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Toluene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Trans-1,3-Dichloropropylene	ND	0.0465		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0697		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,1,2-Trichloroethane	ND	0.0158		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,3-Dichloropropane	ND	0.0186		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Tetrachloroethene (PCE)	ND	0.0372		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Dibromochloromethane	ND	0.0186		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,2-Dibromoethane (EDB)	ND	0.00929		mg/Kg-dry	1	6/26/2021 9:53:36 AM
2-Hexanone (MBK)	ND	0.0558		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Chlorobenzene	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,1,1,2-Tetrachloroethane	ND	0.0186		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Ethylbenzene	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
m,p-Xylene	ND	0.0465		mg/Kg-dry	1	6/26/2021 9:53:36 AM
o-Xylene	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Styrene	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Isopropylbenzene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Bromoform	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,1,1,2-Tetrachloroethane	ND	0.0139		mg/Kg-dry	1	6/26/2021 9:53:36 AM
n-Propylbenzene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Bromobenzene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,3,5-Trimethylbenzene	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
2-Chlorotoluene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
4-Chlorotoluene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
tert-Butylbenzene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,2,3-Trichloropropane	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,2,4-Trichlorobenzene	ND	0.0372		mg/Kg-dry	1	6/26/2021 9:53:36 AM
sec-Butylbenzene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
4-Isopropyltoluene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,3-Dichlorobenzene	ND	0.0325		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,4-Dichlorobenzene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
n-Butylbenzene	ND	0.0372		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,2-Dichlorobenzene	ND	0.0279		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,2-Dibromo-3-chloropropane	ND	0.0558		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,2,4-Trimethylbenzene	ND	0.0232		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Hexachloro-1,3-butadiene	ND	0.0465		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Naphthalene	ND	0.0929		mg/Kg-dry	1	6/26/2021 9:53:36 AM
1,2,3-Trichlorobenzene	ND	0.0465		mg/Kg-dry	1	6/26/2021 9:53:36 AM
Surr: Dibromofluoromethane	95.5	80 - 120		%Rec	1	6/26/2021 9:53:36 AM
Surr: Toluene-d8	96.1	80 - 120		%Rec	1	6/26/2021 9:53:36 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:25:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-008

Matrix: Soil

Client Sample ID: Art-N50-W08-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Surr: 1-Bromo-4-fluorobenzene

96.1

80 - 120

%Rec

1

6/26/2021 9:53:36 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Batch ID: R68242

Analyst: MCH

Percent Moisture

6.93

0.500

wt%

1

6/28/2021 9:31:36 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:30:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-009

Matrix: Soil

Client Sample ID: Art-N53-W08-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32802

Analyst: MM

Diesel (Fuel Oil)	ND	47.2		mg/Kg-dry	1	6/28/2021 12:12:45 PM
Heavy Oil	ND	94.5		mg/Kg-dry	1	6/28/2021 12:12:45 PM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	6/28/2021 12:12:45 PM
Surr: 2-Fluorobiphenyl	77.3	50 - 150		%Rec	1	6/28/2021 12:12:45 PM
Surr: o-Terphenyl	86.4	50 - 150		%Rec	1	6/28/2021 12:12:45 PM

Gasoline by NWTPH-Gx

Batch ID: 32800

Analyst: CR

Gasoline	ND	4.82		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	6/26/2021 10:23:46 AM
Surr: 4-Bromofluorobenzene	88.7	65 - 135		%Rec	1	6/26/2021 10:23:46 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0482	Q	mg/Kg-dry	1	6/26/2021 10:23:46 AM
Chloromethane	ND	0.0771	Q	mg/Kg-dry	1	6/26/2021 10:23:46 AM
Vinyl chloride	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Bromomethane	ND	0.145		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Trichlorofluoromethane (CFC-11)	ND	0.0482		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Chloroethane	ND	0.116		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,1-Dichloroethene	ND	0.0963		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Acetone	ND	0.482		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Methylene chloride	ND	0.0145		mg/Kg-dry	1	6/26/2021 10:23:46 AM
trans-1,2-Dichloroethene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Methyl tert-butyl ether (MTBE)	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,1-Dichloroethane	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
cis-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
(MEK) 2-Butanone	ND	0.434		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Chloroform	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,1,1-Trichloroethane (TCA)	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,1-Dichloropropene	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Carbon tetrachloride	ND	0.0723		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,2-Dichloroethane (EDC)	ND	0.0222		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Benzene	ND	0.0193		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Trichloroethene (TCE)	ND	0.0193		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,2-Dichloropropane	ND	0.0193		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Bromodichloromethane	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Dibromomethane	ND	0.0193		mg/Kg-dry	1	6/26/2021 10:23:46 AM
cis-1,3-Dichloropropene	ND	0.0771		mg/Kg-dry	1	6/26/2021 10:23:46 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:30:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-009

Matrix: Soil

Client Sample ID: Art-N53-W08-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Toluene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Trans-1,3-Dichloropropylene	ND	0.0482		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0723		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,1,2-Trichloroethane	ND	0.0164		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,3-Dichloropropane	ND	0.0193		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Tetrachloroethene (PCE)	ND	0.0385		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Dibromochloromethane	ND	0.0193		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,2-Dibromoethane (EDB)	ND	0.00963		mg/Kg-dry	1	6/26/2021 10:23:46 AM
2-Hexanone (MBK)	ND	0.0578		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Chlorobenzene	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,1,1,2-Tetrachloroethane	ND	0.0193		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Ethylbenzene	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
m,p-Xylene	ND	0.0482		mg/Kg-dry	1	6/26/2021 10:23:46 AM
o-Xylene	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Styrene	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Isopropylbenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Bromoform	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,1,1,2-Tetrachloroethane	ND	0.0145		mg/Kg-dry	1	6/26/2021 10:23:46 AM
n-Propylbenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Bromobenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,3,5-Trimethylbenzene	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
2-Chlorotoluene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
4-Chlorotoluene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
tert-Butylbenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,2,3-Trichloropropane	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,2,4-Trichlorobenzene	ND	0.0385		mg/Kg-dry	1	6/26/2021 10:23:46 AM
sec-Butylbenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
4-Isopropyltoluene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,3-Dichlorobenzene	ND	0.0337		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,4-Dichlorobenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
n-Butylbenzene	ND	0.0385		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,2-Dichlorobenzene	ND	0.0289		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,2-Dibromo-3-chloropropane	ND	0.0578		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,2,4-Trimethylbenzene	ND	0.0241		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Hexachloro-1,3-butadiene	ND	0.0482		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Naphthalene	ND	0.0963		mg/Kg-dry	1	6/26/2021 10:23:46 AM
1,2,3-Trichlorobenzene	ND	0.0482		mg/Kg-dry	1	6/26/2021 10:23:46 AM
Surr: Dibromofluoromethane	95.7	80 - 120		%Rec	1	6/26/2021 10:23:46 AM
Surr: Toluene-d8	97.0	80 - 120		%Rec	1	6/26/2021 10:23:46 AM



Client: Aspect Consulting

Collection Date: 6/25/2021 2:30:00 PM

Project: Schnitzer Artiste

Lab ID: 2106484-009

Matrix: Soil

Client Sample ID: Art-N53-W08-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32800

Analyst: CR

Surr: 1-Bromo-4-fluorobenzene

94.7

80 - 120

%Rec

1

6/26/2021 10:23:46 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Batch ID: R68242

Analyst: MCH

Percent Moisture

8.61

0.500

wt%

1

6/28/2021 9:31:36 AM

Work Order: 2106484
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-32802	SampType: MBLK	Units: mg/Kg			Prep Date: 6/25/2021	RunNo: 68248					
Client ID: MBLKS	Batch ID: 32802				Analysis Date: 6/28/2021	SeqNo: 1378131					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.49		10.00		84.9	50	150				
Surr: o-Terphenyl	9.91		10.00		99.1	50	150				

Sample ID: LCS-32802	SampType: LCS	Units: mg/Kg			Prep Date: 6/25/2021	RunNo: 68248					
Client ID: LCSS	Batch ID: 32802				Analysis Date: 6/28/2021	SeqNo: 1378132					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	532	150	500.0	0	106	75.7	116				
Surr: 2-Fluorobiphenyl	9.19		10.00		91.9	50	150				
Surr: o-Terphenyl	12.3		10.00		123	50	150				

Work Order: 2106484
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32800	SampType: LCS	Units: mg/Kg			Prep Date: 6/25/2021	RunNo: 68235					
Client ID: LCSS	Batch ID: 32800				Analysis Date: 6/25/2021	SeqNo: 1378009					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	22.8	5.00	25.00	0	91.2	65	135				
Surr: Toluene-d8	1.27		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.23		1.250		98.7	65	135				

Sample ID: MB-32800	SampType: MBLK	Units: mg/Kg			Prep Date: 6/25/2021	RunNo: 68235					
Client ID: MBLKS	Batch ID: 32800				Analysis Date: 6/25/2021	SeqNo: 1378010					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.11		1.250		88.6	65	135				

Sample ID: 2106332-032BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/25/2021	RunNo: 68235					
Client ID: BATCH	Batch ID: 32800				Analysis Date: 6/26/2021	SeqNo: 1377969					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.81						0		30	
Surr: Toluene-d8	1.45		1.452		100	65	135		0		
Surr: 4-Bromofluorobenzene	1.28		1.452		88.3	65	135		0		

Sample ID: 2106462-004BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 6/25/2021	RunNo: 68235					
Client ID: BATCH	Batch ID: 32800				Analysis Date: 6/26/2021	SeqNo: 1377979					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	22.0	5.36	26.79	0	82.0	65	135				
Surr: Toluene-d8	1.35		1.340		101	65	135				
Surr: 4-Bromofluorobenzene	1.32		1.340		98.7	65	135				

Work Order: 2106484
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2106485-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68235							
Client ID: BATCH	Batch ID: 32800	Analysis Date: 6/26/2021	SeqNo: 1378001								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	3.11						0		30	
Surr: Toluene-d8	0.777		0.7778		99.9	65	135		0		
Surr: 4-Bromofluorobenzene	0.691		0.7778		88.8	65	135		0		

Work Order: 2106484
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32800	SampType: LCS	Units: mg/Kg				Prep Date: 6/25/2021	RunNo: 68234				
Client ID: LCSS	Batch ID: 32800					Analysis Date: 6/25/2021	SeqNo: 1377966				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.763	0.0500	1.000	0	76.3	80	120				S
Chloromethane	0.756	0.0800	1.000	0	75.6	80	120				S
Vinyl chloride	0.823	0.0250	1.000	0	82.3	80	120				
Bromomethane	0.917	0.150	1.000	0	91.7	80	120				
Trichlorofluoromethane (CFC-11)	0.850	0.0500	1.000	0	85.0	80	120				
Chloroethane	0.832	0.120	1.000	0	83.2	80	120				
1,1-Dichloroethene	0.856	0.100	1.000	0	85.6	80	120				
Acetone	2.45	0.500	2.500	0	98.2	80	120				
Methylene chloride	0.864	0.0150	1.000	0	86.4	80	120				
trans-1,2-Dichloroethene	0.866	0.0300	1.000	0	86.6	80	120				
Methyl tert-butyl ether (MTBE)	0.860	0.0300	1.000	0	86.0	80	120				
1,1-Dichloroethane	0.870	0.0250	1.000	0	87.0	80	120				
cis-1,2-Dichloroethene	0.876	0.0250	1.000	0	87.6	80	120				
Chloroform	0.871	0.0250	1.000	0	87.1	80	120				
1,1,1-Trichloroethane (TCA)	0.872	0.0250	1.000	0	87.2	80	120				
1,1-Dichloropropene	0.877	0.0250	1.000	0	87.7	80	120				
Carbon tetrachloride	0.871	0.0750	1.000	0	87.1	80	120				
1,2-Dichloroethane (EDC)	0.868	0.0230	1.000	0	86.8	80	120				
Benzene	0.879	0.0200	1.000	0	87.9	80	120				
Trichloroethene (TCE)	0.885	0.0200	1.000	0	88.5	80	120				
1,2-Dichloropropane	0.865	0.0200	1.000	0	86.5	80	120				
Bromodichloromethane	0.869	0.0250	1.000	0	86.9	80	120				
Dibromomethane	0.880	0.0200	1.000	0	88.0	80	120				
cis-1,3-Dichloropropene	0.848	0.0800	1.000	0	84.8	80	120				
Toluene	0.883	0.0300	1.000	0	88.3	80	120				
Trans-1,3-Dichloropropylene	0.849	0.0500	1.000	0	84.9	80	120				
Methyl Isobutyl Ketone (MIBK)	2.17	0.0750	2.500	0	86.6	80	120				
1,1,2-Trichloroethane	0.872	0.0170	1.000	0	87.2	80	120				
1,3-Dichloropropane	0.874	0.0200	1.000	0	87.4	80	120				
Tetrachloroethene (PCE)	0.875	0.0400	1.000	0	87.5	80	120				

Work Order: 2106484
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32800	SampType: LCS	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: LCSS	Batch ID: 32800		Analysis Date: 6/25/2021	SeqNo: 1377966							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dibromochloromethane	0.864	0.0200	1.000	0	86.4	80	120				
1,2-Dibromoethane (EDB)	0.863	0.0100	1.000	0	86.3	80	120				
2-Hexanone (MBK)	2.17	0.0600	2.500	0	86.8	80	120				
Chlorobenzene	0.828	0.0250	1.000	0	82.8	80	120				
1,1,1,2-Tetrachloroethane	0.833	0.0200	1.000	0	83.3	80	120				
Ethylbenzene	0.841	0.0250	1.000	0	84.1	80	120				
m,p-Xylene	1.67	0.0500	2.000	0	83.4	80	120				
o-Xylene	0.828	0.0250	1.000	0	82.8	80	120				
Styrene	0.830	0.0250	1.000	0	83.0	80	120				
Isopropylbenzene	0.836	0.0300	1.000	0	83.6	80	120				
Bromoform	0.806	0.0250	1.000	0	80.6	80	120				
1,1,1,2,2-Tetrachloroethane	0.808	0.0150	1.000	0	80.8	80	120				
n-Propylbenzene	0.839	0.0300	1.000	0	83.9	80	120				
Bromobenzene	0.837	0.0300	1.000	0	83.7	80	120				
1,3,5-Trimethylbenzene	0.822	0.0250	1.000	0	82.2	80	120				
2-Chlorotoluene	0.821	0.0300	1.000	0	82.1	80	120				
4-Chlorotoluene	0.823	0.0300	1.000	0	82.3	80	120				
tert-Butylbenzene	0.817	0.0300	1.000	0	81.7	80	120				
1,2,3-Trichloropropane	0.812	0.0250	1.000	0	81.2	80	120				
1,2,4-Trichlorobenzene	0.842	0.0400	1.000	0	84.2	80	120				
sec-Butylbenzene	0.811	0.0300	1.000	0	81.1	80	120				
4-Isopropyltoluene	0.821	0.0300	1.000	0	82.1	80	120				
1,3-Dichlorobenzene	0.855	0.0350	1.000	0	85.5	80	120				
1,4-Dichlorobenzene	0.851	0.0300	1.000	0	85.1	80	120				
n-Butylbenzene	0.845	0.0400	1.000	0	84.5	80	120				
1,2-Dichlorobenzene	0.851	0.0300	1.000	0	85.1	80	120				
1,2-Dibromo-3-chloropropane	0.860	0.0600	1.000	0	86.0	80	120				
1,2,4-Trimethylbenzene	0.832	0.0250	1.000	0	83.2	80	120				
Hexachloro-1,3-butadiene	0.825	0.0500	1.000	0	82.5	80	120				
Naphthalene	0.847	0.100	1.000	0	84.7	80	120				

Work Order: 2106484
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32800	SampType: LCS	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: LCSS	Batch ID: 32800		Analysis Date: 6/25/2021	SeqNo: 1377966							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	0.867	0.0500	1.000	0	86.7	80	120				
Surr: Dibromofluoromethane	1.33		1.250		106	80	120				
Surr: Toluene-d8	1.36		1.250		108	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.33		1.250		106	80	120				

NOTES:

S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: MB-32800	SampType: MBLK	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: MBLKS	Batch ID: 32800		Analysis Date: 6/25/2021	SeqNo: 1377964							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									Q
Chloromethane	ND	0.0800									Q
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									Q
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									

Work Order: 2106484
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32800	SampType: MBLK	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: MBLKS	Batch ID: 32800		Analysis Date: 6/25/2021	SeqNo: 1377964							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									
1,2,3-Trichloropropane	ND	0.0250									

Work Order: 2106484
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32800	SampType: MBLK	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: MBLKS	Batch ID: 32800		Analysis Date: 6/25/2021	SeqNo: 1377964							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.19		1.250		95.2	80	120				
Surr: Toluene-d8	1.20		1.250		95.9	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.250		94.9	80	120				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: 2106332-032BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: BATCH	Batch ID: 32800		Analysis Date: 6/26/2021	SeqNo: 1377944							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0581						0		30	Q
Chloromethane	ND	0.0929						0		30	Q
Vinyl chloride	ND	0.0290						0		30	
Bromomethane	ND	0.174						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0581						0		30	
Chloroethane	ND	0.139						0		30	
1,1-Dichloroethene	ND	0.116						0		30	
Acetone	ND	0.581						0		30	
Methylene chloride	ND	0.0174						0		30	

Work Order: 2106484
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106332-032BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: BATCH	Batch ID: 32800		Analysis Date: 6/26/2021	SeqNo: 1377944							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0348						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0348						0		30	
1,1-Dichloroethane	ND	0.0290						0		30	
cis-1,2-Dichloroethene	ND	0.0290						0		30	
(MEK) 2-Butanone	ND	0.523						0		30	Q
Chloroform	ND	0.0290						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0290						0		30	
1,1-Dichloropropene	ND	0.0290						0		30	
Carbon tetrachloride	ND	0.0871						0		30	
1,2-Dichloroethane (EDC)	ND	0.0267						0		30	
Benzene	ND	0.0232						0		30	
Trichloroethene (TCE)	ND	0.0232						0		30	
1,2-Dichloropropane	ND	0.0232						0		30	
Bromodichloromethane	ND	0.0290						0		30	
Dibromomethane	ND	0.0232						0		30	
cis-1,3-Dichloropropene	ND	0.0929						0		30	
Toluene	ND	0.0348						0		30	
Trans-1,3-Dichloropropylene	ND	0.0581						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0871						0		30	
1,1,2-Trichloroethane	ND	0.0197						0		30	
1,3-Dichloropropane	ND	0.0232						0		30	
Tetrachloroethene (PCE)	ND	0.0465						0		30	
Dibromochloromethane	ND	0.0232						0		30	
1,2-Dibromoethane (EDB)	ND	0.0116						0		30	
2-Hexanone (MBK)	ND	0.0697						0		30	
Chlorobenzene	ND	0.0290						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0232						0		30	
Ethylbenzene	ND	0.0290						0		30	
m,p-Xylene	ND	0.0581						0		30	
o-Xylene	ND	0.0290						0		30	

Work Order: 2106484
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106332-032BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: BATCH	Batch ID: 32800	Analysis Date: 6/26/2021	SeqNo: 1377944								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Styrene	ND	0.0290						0		30	
Isopropylbenzene	ND	0.0348						0		30	
Bromoform	ND	0.0290						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0174						0		30	
n-Propylbenzene	ND	0.0348						0		30	
Bromobenzene	ND	0.0348						0		30	
1,3,5-Trimethylbenzene	ND	0.0290						0		30	
2-Chlorotoluene	ND	0.0348						0		30	
4-Chlorotoluene	ND	0.0348						0		30	
tert-Butylbenzene	ND	0.0348						0		30	
1,2,3-Trichloropropane	ND	0.0290						0		30	
1,2,4-Trichlorobenzene	ND	0.0465						0		30	
sec-Butylbenzene	ND	0.0348						0		30	
4-Isopropyltoluene	ND	0.0348						0		30	
1,3-Dichlorobenzene	ND	0.0407						0		30	
1,4-Dichlorobenzene	ND	0.0348						0		30	
n-Butylbenzene	ND	0.0465						0		30	
1,2-Dichlorobenzene	ND	0.0348						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0697						0		30	
1,2,4-Trimethylbenzene	ND	0.0290						0		30	
Hexachloro-1,3-butadiene	ND	0.0581						0		30	
Naphthalene	ND	0.116						0		30	
1,2,3-Trichlorobenzene	ND	0.0581						0		30	
Surr: Dibromofluoromethane	1.41		1.452		97.1	80	120		0		
Surr: Toluene-d8	1.42		1.452		97.8	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.37		1.452		94.6	80	120		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Work Order: 2106484
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32800	SampType: LCS	Units: µg/L				Prep Date: 6/25/2021	RunNo: 68234				
Client ID: LCSS	Batch ID: 32800					Analysis Date: 6/26/2021	SeqNo: 1377962				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
(MEK) 2-Butanone	2.18	0.450	2.500	0	87.1	80	120				

Sample ID: 2106485-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 6/25/2021	RunNo: 68234				
Client ID: BATCH	Batch ID: 32800					Analysis Date: 6/26/2021	SeqNo: 1377961				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0311						0		30	Q
Chloromethane	ND	0.0498						0		30	Q
Vinyl chloride	ND	0.0156						0		30	
Bromomethane	ND	0.0933						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0311						0		30	
Chloroethane	ND	0.0747						0		30	
1,1-Dichloroethene	ND	0.0622						0		30	
Acetone	ND	0.311						0		30	
Methylene chloride	ND	0.00933						0		30	
trans-1,2-Dichloroethene	ND	0.0187						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0187						0		30	
1,1-Dichloroethane	ND	0.0156						0		30	
cis-1,2-Dichloroethene	ND	0.0156						0		30	
(MEK) 2-Butanone	ND	0.280						0		30	
Chloroform	ND	0.0156						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0156						0		30	
1,1-Dichloropropene	ND	0.0156						0		30	
Carbon tetrachloride	ND	0.0467						0		30	
1,2-Dichloroethane (EDC)	ND	0.0143						0		30	
Benzene	ND	0.0124						0		30	
Trichloroethene (TCE)	ND	0.0124						0		30	
1,2-Dichloropropane	ND	0.0124						0		30	
Bromodichloromethane	ND	0.0156						0		30	
Dibromomethane	ND	0.0124						0		30	

Work Order: 2106484
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106485-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: BATCH	Batch ID: 32800		Analysis Date: 6/26/2021	SeqNo: 1377961							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

cis-1,3-Dichloropropene	ND	0.0498						0		30	
Toluene	ND	0.0187						0		30	
Trans-1,3-Dichloropropylene	ND	0.0311						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0467						0		30	
1,1,2-Trichloroethane	ND	0.0106						0		30	
1,3-Dichloropropane	ND	0.0124						0		30	
Tetrachloroethene (PCE)	ND	0.0249						0		30	
Dibromochloromethane	ND	0.0124						0		30	
1,2-Dibromoethane (EDB)	ND	0.00622						0		30	
2-Hexanone (MBK)	ND	0.0373						0		30	
Chlorobenzene	ND	0.0156						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0124						0		30	
Ethylbenzene	ND	0.0156						0		30	
m,p-Xylene	ND	0.0311						0		30	
o-Xylene	ND	0.0156						0		30	
Styrene	ND	0.0156						0		30	
Isopropylbenzene	ND	0.0187						0		30	
Bromoform	ND	0.0156						0		30	
1,1,1,2-Tetrachloroethane	ND	0.00933						0		30	
n-Propylbenzene	ND	0.0187						0		30	
Bromobenzene	ND	0.0187						0		30	
1,3,5-Trimethylbenzene	ND	0.0156						0		30	
2-Chlorotoluene	ND	0.0187						0		30	
4-Chlorotoluene	ND	0.0187						0		30	
tert-Butylbenzene	ND	0.0187						0		30	
1,2,3-Trichloropropane	ND	0.0156						0		30	
1,2,4-Trichlorobenzene	ND	0.0249						0		30	
sec-Butylbenzene	ND	0.0187						0		30	
4-Isopropyltoluene	ND	0.0187						0		30	
1,3-Dichlorobenzene	ND	0.0218						0		30	

Work Order: 2106484
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106485-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: BATCH	Batch ID: 32800	Analysis Date: 6/26/2021	SeqNo: 1377961								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	0.0187						0		30	
n-Butylbenzene	ND	0.0249						0		30	
1,2-Dichlorobenzene	ND	0.0187						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0373						0		30	
1,2,4-Trimethylbenzene	ND	0.0156						0		30	
Hexachloro-1,3-butadiene	ND	0.0311						0		30	
Naphthalene	ND	0.0622						0		30	
1,2,3-Trichlorobenzene	ND	0.0311						0		30	
Surr: Dibromofluoromethane	0.761		0.7778		97.8	80	120		0		
Surr: Toluene-d8	0.760		0.7778		97.7	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.737		0.7778		94.7	80	120		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: 2106484-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: Art-N44-W05-153	Batch ID: 32800	Analysis Date: 6/26/2021	SeqNo: 1377955								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.479	0.0523	1.045	0	45.9	5	173				
Chloromethane	0.641	0.0836	1.045	0	61.3	39.5	138				
Vinyl chloride	0.734	0.0261	1.045	0	70.2	41.9	145				
Bromomethane	0.948	0.157	1.045	0	90.7	63.4	160				
Trichlorofluoromethane (CFC-11)	0.777	0.0523	1.045	0	74.3	32.4	158				
Chloroethane	0.776	0.125	1.045	0	74.2	40.1	160				
1,1-Dichloroethene	0.822	0.105	1.045	0	78.6	62.1	135				
Acetone	3.66	0.523	2.614	0	140	45.8	168				
Methylene chloride	0.892	0.0157	1.045	0	85.3	65.6	137				
trans-1,2-Dichloroethene	0.878	0.0314	1.045	0	84.0	65.4	137				
Methyl tert-butyl ether (MTBE)	0.889	0.0314	1.045	0	85.0	48.1	157				
1,1-Dichloroethane	0.902	0.0261	1.045	0	86.3	61.9	142				
cis-1,2-Dichloroethene	0.893	0.0261	1.045	0	85.4	81.9	124				

Work Order: 2106484
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106484-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: Art-N44-W05-153	Batch ID: 32800		Analysis Date: 6/26/2021	SeqNo: 1377955							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

(MEK) 2-Butanone	2.40	0.470	2.614	0	91.8	56	144				
Chloroform	0.900	0.0261	1.045	0	86.1	79.3	127				
1,1,1-Trichloroethane (TCA)	0.876	0.0261	1.045	0	83.8	80	121				
1,1-Dichloropropene	0.854	0.0261	1.045	0	81.7	76.4	127				
Carbon tetrachloride	0.860	0.0784	1.045	0	82.2	68.6	130				
1,2-Dichloroethane (EDC)	0.899	0.0240	1.045	0	86.0	70.1	137				
Benzene	0.896	0.0209	1.045	0	85.7	80	123				
Trichloroethene (TCE)	0.931	0.0209	1.045	0	89.1	79	130				
1,2-Dichloropropane	0.891	0.0209	1.045	0	85.2	80	121				
Bromodichloromethane	0.900	0.0261	1.045	0	86.1	72.8	124				
Dibromomethane	0.918	0.0209	1.045	0	87.8	77.2	122				
cis-1,3-Dichloropropene	0.820	0.0836	1.045	0	78.5	75.1	121				
Toluene	0.900	0.0314	1.045	0	86.1	80	125				
Trans-1,3-Dichloropropylene	0.824	0.0523	1.045	0	78.8	73.9	122				
Methyl Isobutyl Ketone (MIBK)	2.31	0.0784	2.614	0	88.3	47.1	154				
1,1,2-Trichloroethane	0.894	0.0178	1.045	0	85.6	76.2	123				
1,3-Dichloropropane	0.910	0.0209	1.045	0	87.0	67.2	131				
Tetrachloroethene (PCE)	0.842	0.0418	1.045	0	80.5	77.2	128				
Dibromochloromethane	0.890	0.0209	1.045	0	85.1	63.3	129				
1,2-Dibromoethane (EDB)	0.890	0.0105	1.045	0	85.1	75.1	124				
2-Hexanone (MBK)	2.41	0.0627	2.614	0	92.0	40.5	170				
Chlorobenzene	0.893	0.0261	1.045	0	85.5	80	120				
1,1,1,2-Tetrachloroethane	0.890	0.0209	1.045	0	85.1	80	120				
Ethylbenzene	0.898	0.0261	1.045	0	85.9	80	133				
m,p-Xylene	1.77	0.0523	2.091	0	84.7	80	129				
o-Xylene	0.902	0.0261	1.045	0	86.3	73.4	131				
Styrene	0.902	0.0261	1.045	0	86.2	77.4	125				
Isopropylbenzene	0.882	0.0314	1.045	0	84.3	76.7	132				
Bromoform	0.874	0.0261	1.045	0	83.6	69.7	127				
1,1,2,2-Tetrachloroethane	0.844	0.0157	1.045	0	80.8	62.8	132				

Work Order: 2106484
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106484-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/25/2021	RunNo: 68234							
Client ID: Art-N44-W05-153	Batch ID: 32800		Analysis Date: 6/26/2021	SeqNo: 1377955							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

n-Propylbenzene	0.874	0.0314	1.045	0	83.6	77.2	134				
Bromobenzene	0.888	0.0314	1.045	0	85.0	77.2	125				
1,3,5-Trimethylbenzene	0.881	0.0261	1.045	0	84.2	79.8	125				
2-Chlorotoluene	0.894	0.0314	1.045	0	85.5	78.3	127				
4-Chlorotoluene	0.882	0.0314	1.045	0	84.4	79.9	123				
tert-Butylbenzene	0.872	0.0314	1.045	0	83.4	74.7	132				
1,2,3-Trichloropropane	0.878	0.0261	1.045	0	84.0	65.9	128				
1,2,4-Trichlorobenzene	0.885	0.0418	1.045	0	84.6	78.5	129				
sec-Butylbenzene	0.859	0.0314	1.045	0	82.2	73.8	135				
4-Isopropyltoluene	0.855	0.0314	1.045	0	81.8	73.9	134				
1,3-Dichlorobenzene	0.909	0.0366	1.045	0	86.9	80	123				
1,4-Dichlorobenzene	0.899	0.0314	1.045	0	86.0	80	122				
n-Butylbenzene	0.837	0.0418	1.045	0	80.0	80	130				
1,2-Dichlorobenzene	0.908	0.0314	1.045	0	86.8	80	120				
1,2-Dibromo-3-chloropropane	0.983	0.0627	1.045	0	94.0	66.1	131				
1,2,4-Trimethylbenzene	0.894	0.0261	1.045	0	85.5	80	124				
Hexachloro-1,3-butadiene	0.813	0.0523	1.045	0	77.8	70.9	135				
Naphthalene	0.940	0.105	1.045	0	90.0	53.8	164				
1,2,3-Trichlorobenzene	0.909	0.0523	1.045	0	87.0	75.8	131				
Surr: Dibromofluoromethane	1.35		1.307		103	80	120				
Surr: Toluene-d8	1.34		1.307		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.39		1.307		106	80	120				

Client Name: AC	Work Order Number: 2106484
Logged by: Clare Griggs	Date Received: 6/25/2021 4:11:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer - Artiste
Work Order Number: 2107094

July 08, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 10 sample(s) on 7/7/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Mercury by EPA Method 7471
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer - Artiste
Work Order: 2107094

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107094-001	Art-N2-W24-158	07/07/2021 9:30 AM	07/07/2021 2:45 PM
2107094-002	Art-N6-W24-158	07/07/2021 11:00 AM	07/07/2021 2:45 PM
2107094-003	Art-N7-W25-158	07/07/2021 11:30 AM	07/07/2021 2:45 PM
2107094-004	Art-N3-W25-158	07/07/2021 11:25 AM	07/07/2021 2:45 PM
2107094-005	Art-N43-W08-153	07/07/2021 12:30 PM	07/07/2021 2:45 PM
2107094-006	Art-N43-W10-153	07/07/2021 12:35 PM	07/07/2021 2:45 PM
2107094-007	Art-N47-W10-153	07/07/2021 12:40 PM	07/07/2021 2:45 PM
2107094-008	Art-N46-W12-153	07/07/2021 12:45 PM	07/07/2021 2:45 PM
2107094-009	Art-N50-W10-153	07/07/2021 12:50 PM	07/07/2021 2:45 PM
2107094-010	Art-TB-01B	07/07/2021 1:00 PM	07/07/2021 2:45 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer - Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

7/26/2021: Revision 1 includes sample ID updates per client request.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 7/7/2021 9:30:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-001

Matrix: Soil

Client Sample ID: Art-N2-W24-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32921	Analyst: MM
Diesel (Fuel Oil)	ND	52.0		mg/Kg-dry	1	7/8/2021 12:20:03 PM
Heavy Oil	168	104		mg/Kg-dry	1	7/8/2021 12:20:03 PM
Total Petroleum Hydrocarbons	168	156		mg/Kg-dry	1	7/8/2021 12:20:03 PM
Surr: 2-Fluorobiphenyl	96.2	50 - 150		%Rec	1	7/8/2021 12:20:03 PM
Surr: o-Terphenyl	102	50 - 150		%Rec	1	7/8/2021 12:20:03 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32918	Analyst: KT
Gasoline	ND	3.59		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Surr: Toluene-d8	104	65 - 135		%Rec	1	7/8/2021 4:49:30 AM
Surr: 4-Bromofluorobenzene	93.4	65 - 135		%Rec	1	7/8/2021 4:49:30 AM

<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 32918	Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0359		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Chloromethane	ND	0.0574		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Vinyl chloride	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Bromomethane	ND	0.108		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Trichlorofluoromethane (CFC-11)	ND	0.0359		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Chloroethane	ND	0.0861		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,1-Dichloroethene	ND	0.0717		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Acetone	ND	0.359		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Methylene chloride	ND	0.0108		mg/Kg-dry	1	7/8/2021 4:49:30 AM
trans-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Methyl tert-butyl ether (MTBE)	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,1-Dichloroethane	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
cis-1,2-Dichloroethene	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
(MEK) 2-Butanone	ND	0.323		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Chloroform	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,1,1-Trichloroethane (TCA)	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,1-Dichloropropene	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Carbon tetrachloride	ND	0.0538		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,2-Dichloroethane (EDC)	ND	0.0165		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Benzene	ND	0.0143		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Trichloroethene (TCE)	ND	0.0143		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,2-Dichloropropane	ND	0.0143		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Bromodichloromethane	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Dibromomethane	ND	0.0143		mg/Kg-dry	1	7/8/2021 4:49:30 AM
cis-1,3-Dichloropropene	ND	0.0574		mg/Kg-dry	1	7/8/2021 4:49:30 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 9:30:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-001

Matrix: Soil

Client Sample ID: Art-N2-W24-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918

Analyst: KT

Toluene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Trans-1,3-Dichloropropylene	ND	0.0359		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0538		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,1,2-Trichloroethane	ND	0.0122		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,3-Dichloropropane	ND	0.0143		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Tetrachloroethene (PCE)	ND	0.0287		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Dibromochloromethane	ND	0.0143		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,2-Dibromoethane (EDB)	ND	0.00717		mg/Kg-dry	1	7/8/2021 4:49:30 AM
2-Hexanone (MBK)	ND	0.0430		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Chlorobenzene	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,1,1,2-Tetrachloroethane	ND	0.0143		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Ethylbenzene	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
m,p-Xylene	ND	0.0359		mg/Kg-dry	1	7/8/2021 4:49:30 AM
o-Xylene	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Styrene	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Isopropylbenzene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Bromoform	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,1,2,2-Tetrachloroethane	ND	0.0108		mg/Kg-dry	1	7/8/2021 4:49:30 AM
n-Propylbenzene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Bromobenzene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,3,5-Trimethylbenzene	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
2-Chlorotoluene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
4-Chlorotoluene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
tert-Butylbenzene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,2,3-Trichloropropane	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,2,4-Trichlorobenzene	ND	0.0287		mg/Kg-dry	1	7/8/2021 4:49:30 AM
sec-Butylbenzene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
4-Isopropyltoluene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,3-Dichlorobenzene	ND	0.0251		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,4-Dichlorobenzene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
n-Butylbenzene	ND	0.0287		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,2-Dichlorobenzene	ND	0.0215		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,2-Dibromo-3-chloropropane	ND	0.0430		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,2,4-Trimethylbenzene	ND	0.0179		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Hexachloro-1,3-butadiene	ND	0.0359		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Naphthalene	ND	0.0717		mg/Kg-dry	1	7/8/2021 4:49:30 AM
1,2,3-Trichlorobenzene	ND	0.0359		mg/Kg-dry	1	7/8/2021 4:49:30 AM
Surr: Dibromofluoromethane	103	80 - 120		%Rec	1	7/8/2021 4:49:30 AM
Surr: Toluene-d8	104	80 - 120		%Rec	1	7/8/2021 4:49:30 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 9:30:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-001

Matrix: Soil

Client Sample ID: Art-N2-W24-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	91.7	80 - 120		%Rec	1	7/8/2021 4:49:30 AM
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Mercury by EPA Method 7471

Batch ID: 32923 Analyst: LB

Mercury	ND	0.234		mg/Kg-dry	1	7/8/2021 2:27:45 PM
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Total Metals by EPA Method 6020B

Batch ID: 32920 Analyst: EH

Arsenic	4.14	0.104		mg/Kg-dry	1	7/8/2021 2:58:59 PM
Barium	71.4	0.521		mg/Kg-dry	1	7/8/2021 2:58:59 PM
Cadmium	ND	0.174		mg/Kg-dry	1	7/8/2021 2:58:59 PM
Chromium	26.6	0.347		mg/Kg-dry	1	7/8/2021 2:58:59 PM
Lead	13.0	0.174		mg/Kg-dry	1	7/8/2021 2:58:59 PM
Selenium	0.977	0.174		mg/Kg-dry	1	7/8/2021 2:58:59 PM
Silver	ND	0.130		mg/Kg-dry	1	7/8/2021 2:58:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R68400 Analyst: OK

Percent Moisture	7.89	0.500		wt%	1	7/7/2021 3:06:57 PM
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Client: Aspect Consulting

Collection Date: 7/7/2021 11:00:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-002

Matrix: Soil

Client Sample ID: Art-N6-W24-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32921

Analyst: MM

Diesel (Fuel Oil)	ND	47.2		mg/Kg-dry	1	7/8/2021 12:58:23 PM
Heavy Oil	ND	94.4		mg/Kg-dry	1	7/8/2021 12:58:23 PM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	7/8/2021 12:58:23 PM
Surr: 2-Fluorobiphenyl	98.9	50 - 150		%Rec	1	7/8/2021 12:58:23 PM
Surr: o-Terphenyl	103	50 - 150		%Rec	1	7/8/2021 12:58:23 PM

Gasoline by NWTPH-Gx

Batch ID: 32918

Analyst: KT

Gasoline	ND	3.26		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	7/8/2021 5:19:56 AM
Surr: 4-Bromofluorobenzene	93.9	65 - 135		%Rec	1	7/8/2021 5:19:56 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0326		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Chloromethane	ND	0.0522		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Vinyl chloride	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Bromomethane	ND	0.0979		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Trichlorofluoromethane (CFC-11)	ND	0.0326		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Chloroethane	ND	0.0783		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,1-Dichloroethene	ND	0.0653		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Acetone	ND	0.326		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Methylene chloride	ND	0.00979		mg/Kg-dry	1	7/8/2021 5:19:56 AM
trans-1,2-Dichloroethene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Methyl tert-butyl ether (MTBE)	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,1-Dichloroethane	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
cis-1,2-Dichloroethene	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
(MEK) 2-Butanone	ND	0.294		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Chloroform	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,1,1-Trichloroethane (TCA)	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,1-Dichloropropene	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Carbon tetrachloride	ND	0.0489		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,2-Dichloroethane (EDC)	ND	0.0150		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Benzene	ND	0.0131		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Trichloroethene (TCE)	ND	0.0131		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,2-Dichloropropane	ND	0.0131		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Bromodichloromethane	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Dibromomethane	ND	0.0131		mg/Kg-dry	1	7/8/2021 5:19:56 AM
cis-1,3-Dichloropropene	ND	0.0522		mg/Kg-dry	1	7/8/2021 5:19:56 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 11:00:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-002

Matrix: Soil

Client Sample ID: Art-N6-W24-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918

Analyst: KT

Toluene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Trans-1,3-Dichloropropylene	ND	0.0326		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0489		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,1,2-Trichloroethane	ND	0.0111		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,3-Dichloropropane	ND	0.0131		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Tetrachloroethene (PCE)	ND	0.0261		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Dibromochloromethane	ND	0.0131		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,2-Dibromoethane (EDB)	ND	0.00653		mg/Kg-dry	1	7/8/2021 5:19:56 AM
2-Hexanone (MBK)	ND	0.0392		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Chlorobenzene	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,1,1,2-Tetrachloroethane	ND	0.0131		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Ethylbenzene	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
m,p-Xylene	ND	0.0326		mg/Kg-dry	1	7/8/2021 5:19:56 AM
o-Xylene	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Styrene	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Isopropylbenzene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Bromoform	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,1,2,2-Tetrachloroethane	ND	0.00979		mg/Kg-dry	1	7/8/2021 5:19:56 AM
n-Propylbenzene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Bromobenzene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,3,5-Trimethylbenzene	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
2-Chlorotoluene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
4-Chlorotoluene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
tert-Butylbenzene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,2,3-Trichloropropane	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,2,4-Trichlorobenzene	ND	0.0261		mg/Kg-dry	1	7/8/2021 5:19:56 AM
sec-Butylbenzene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
4-Isopropyltoluene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,3-Dichlorobenzene	ND	0.0228		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,4-Dichlorobenzene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
n-Butylbenzene	ND	0.0261		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,2-Dichlorobenzene	ND	0.0196		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,2-Dibromo-3-chloropropane	ND	0.0392		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,2,4-Trimethylbenzene	ND	0.0163		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Hexachloro-1,3-butadiene	ND	0.0326		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Naphthalene	ND	0.0653		mg/Kg-dry	1	7/8/2021 5:19:56 AM
1,2,3-Trichlorobenzene	ND	0.0326		mg/Kg-dry	1	7/8/2021 5:19:56 AM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/8/2021 5:19:56 AM
Surr: Toluene-d8	101	80 - 120		%Rec	1	7/8/2021 5:19:56 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 11:00:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-002

Matrix: Soil

Client Sample ID: Art-N6-W24-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	92.2	80 - 120		%Rec	1	7/8/2021 5:19:56 AM
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Mercury by EPA Method 7471

Batch ID: 32923 Analyst: LB

Mercury	ND	0.261		mg/Kg-dry	1	7/8/2021 2:34:14 PM
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Total Metals by EPA Method 6020B

Batch ID: 32920 Analyst: EH

Arsenic	4.56	0.0984		mg/Kg-dry	1	7/8/2021 2:31:11 PM
Barium	96.0	0.492		mg/Kg-dry	1	7/8/2021 2:31:11 PM
Cadmium	ND	0.164		mg/Kg-dry	1	7/8/2021 2:31:11 PM
Chromium	28.1	0.328		mg/Kg-dry	1	7/8/2021 2:31:11 PM
Lead	19.1	0.164		mg/Kg-dry	1	7/8/2021 2:31:11 PM
Selenium	1.13	0.164		mg/Kg-dry	1	7/8/2021 2:31:11 PM
Silver	ND	0.123		mg/Kg-dry	1	7/8/2021 2:31:11 PM

Sample Moisture (Percent Moisture)

Batch ID: R68400 Analyst: OK

Percent Moisture	6.19	0.500		wt%	1	7/7/2021 3:06:57 PM
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Client: Aspect Consulting

Collection Date: 7/7/2021 11:30:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-003

Matrix: Soil

Client Sample ID: Art-N7-W25-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32921

Analyst: MM

Diesel (Fuel Oil)	ND	53.3		mg/Kg-dry	1	7/8/2021 1:23:51 PM
Heavy Oil	190	107		mg/Kg-dry	1	7/8/2021 1:23:51 PM
Total Petroleum Hydrocarbons	190	160		mg/Kg-dry	1	7/8/2021 1:23:51 PM
Surr: 2-Fluorobiphenyl	102	50 - 150		%Rec	1	7/8/2021 1:23:51 PM
Surr: o-Terphenyl	103	50 - 150		%Rec	1	7/8/2021 1:23:51 PM

Gasoline by NWTPH-Gx

Batch ID: 32918

Analyst: KT

Gasoline	ND	3.84		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Surr: Toluene-d8	104	65 - 135		%Rec	1	7/8/2021 6:20:49 AM
Surr: 4-Bromofluorobenzene	93.9	65 - 135		%Rec	1	7/8/2021 6:20:49 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0384		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Chloromethane	ND	0.0615		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Vinyl chloride	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Bromomethane	ND	0.115		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Trichlorofluoromethane (CFC-11)	ND	0.0384		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Chloroethane	ND	0.0923		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,1-Dichloroethene	ND	0.0769		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Acetone	ND	0.384		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Methylene chloride	ND	0.0115		mg/Kg-dry	1	7/8/2021 6:20:49 AM
trans-1,2-Dichloroethene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Methyl tert-butyl ether (MTBE)	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,1-Dichloroethane	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
cis-1,2-Dichloroethene	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
(MEK) 2-Butanone	ND	0.346		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Chloroform	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,1,1-Trichloroethane (TCA)	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,1-Dichloropropene	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Carbon tetrachloride	ND	0.0577		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,2-Dichloroethane (EDC)	ND	0.0177		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Benzene	ND	0.0154		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Trichloroethene (TCE)	ND	0.0154		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,2-Dichloropropane	ND	0.0154		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Bromodichloromethane	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Dibromomethane	ND	0.0154		mg/Kg-dry	1	7/8/2021 6:20:49 AM
cis-1,3-Dichloropropene	ND	0.0615		mg/Kg-dry	1	7/8/2021 6:20:49 AM



Analytical Report

Work Order: 2107094
Date Reported: 7/8/2021

Client: Aspect Consulting

Collection Date: 7/7/2021 11:30:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-003

Matrix: Soil

Client Sample ID: Art-N7-W25-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918

Analyst: KT

Toluene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Trans-1,3-Dichloropropylene	ND	0.0384		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0577		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,1,2-Trichloroethane	ND	0.0131		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,3-Dichloropropane	ND	0.0154		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Tetrachloroethene (PCE)	ND	0.0308		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Dibromochloromethane	ND	0.0154		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,2-Dibromoethane (EDB)	ND	0.00769		mg/Kg-dry	1	7/8/2021 6:20:49 AM
2-Hexanone (MBK)	ND	0.0461		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Chlorobenzene	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,1,1,2-Tetrachloroethane	ND	0.0154		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Ethylbenzene	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
m,p-Xylene	ND	0.0384		mg/Kg-dry	1	7/8/2021 6:20:49 AM
o-Xylene	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Styrene	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Isopropylbenzene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Bromoform	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,1,2,2-Tetrachloroethane	ND	0.0115		mg/Kg-dry	1	7/8/2021 6:20:49 AM
n-Propylbenzene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Bromobenzene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,3,5-Trimethylbenzene	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
2-Chlorotoluene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
4-Chlorotoluene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
tert-Butylbenzene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,2,3-Trichloropropane	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,2,4-Trichlorobenzene	ND	0.0308		mg/Kg-dry	1	7/8/2021 6:20:49 AM
sec-Butylbenzene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
4-Isopropyltoluene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,3-Dichlorobenzene	ND	0.0269		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,4-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
n-Butylbenzene	ND	0.0308		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,2-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,2-Dibromo-3-chloropropane	ND	0.0461		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,2,4-Trimethylbenzene	ND	0.0192		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Hexachloro-1,3-butadiene	ND	0.0384		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Naphthalene	ND	0.0769		mg/Kg-dry	1	7/8/2021 6:20:49 AM
1,2,3-Trichlorobenzene	ND	0.0384		mg/Kg-dry	1	7/8/2021 6:20:49 AM
Surr: Dibromofluoromethane	103	80 - 120		%Rec	1	7/8/2021 6:20:49 AM
Surr: Toluene-d8	103	80 - 120		%Rec	1	7/8/2021 6:20:49 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 11:30:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-003

Matrix: Soil

Client Sample ID: Art-N7-W25-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	92.2	80 - 120		%Rec	1	7/8/2021 6:20:49 AM
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Mercury by EPA Method 7471

Batch ID: 32923 Analyst: LB

Mercury	ND	0.266		mg/Kg-dry	1	7/8/2021 2:35:50 PM
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Total Metals by EPA Method 6020B

Batch ID: 32920 Analyst: EH

Arsenic	8.01	0.104		mg/Kg-dry	1	7/8/2021 3:04:33 PM
Barium	78.5	0.518		mg/Kg-dry	1	7/8/2021 3:04:33 PM
Cadmium	0.180	0.173		mg/Kg-dry	1	7/8/2021 3:04:33 PM
Chromium	27.5	0.345		mg/Kg-dry	1	7/8/2021 3:04:33 PM
Lead	74.0	0.173		mg/Kg-dry	1	7/8/2021 3:04:33 PM
Selenium	1.03	0.173		mg/Kg-dry	1	7/8/2021 3:04:33 PM
Silver	ND	0.129		mg/Kg-dry	1	7/8/2021 3:04:33 PM

Sample Moisture (Percent Moisture)

Batch ID: R68400 Analyst: OK

Percent Moisture	9.48	0.500		wt%	1	7/7/2021 3:06:57 PM
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Analytical Report

Work Order: 2107094
Date Reported: 7/8/2021

Client: Aspect Consulting

Collection Date: 7/7/2021 11:25:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-004

Matrix: Soil

Client Sample ID: Art-N3-W25-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32921 Analyst: MM

Diesel (Fuel Oil)	ND	49.9		mg/Kg-dry	1	7/8/2021 1:49:33 PM
Heavy Oil	353	99.8		mg/Kg-dry	1	7/8/2021 1:49:33 PM
Total Petroleum Hydrocarbons	353	150		mg/Kg-dry	1	7/8/2021 1:49:33 PM
Surr: 2-Fluorobiphenyl	108	50 - 150		%Rec	1	7/8/2021 1:49:33 PM
Surr: o-Terphenyl	109	50 - 150		%Rec	1	7/8/2021 1:49:33 PM

Gasoline by NWTPH-Gx

Batch ID: 32918 Analyst: KT

Gasoline	ND	3.30		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Surr: Toluene-d8	105	65 - 135		%Rec	1	7/8/2021 6:51:12 AM
Surr: 4-Bromofluorobenzene	92.6	65 - 135		%Rec	1	7/8/2021 6:51:12 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0330		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Chloromethane	ND	0.0529		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Vinyl chloride	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Bromomethane	ND	0.0991		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Trichlorofluoromethane (CFC-11)	ND	0.0330		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Chloroethane	ND	0.0793		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,1-Dichloroethene	ND	0.0661		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Acetone	ND	0.330		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Methylene chloride	ND	0.00991		mg/Kg-dry	1	7/8/2021 6:51:12 AM
trans-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Methyl tert-butyl ether (MTBE)	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,1-Dichloroethane	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
cis-1,2-Dichloroethene	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
(MEK) 2-Butanone	ND	0.297		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Chloroform	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,1,1-Trichloroethane (TCA)	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,1-Dichloropropene	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Carbon tetrachloride	ND	0.0496		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,2-Dichloroethane (EDC)	ND	0.0152		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Benzene	ND	0.0132		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Trichloroethene (TCE)	ND	0.0132		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,2-Dichloropropane	ND	0.0132		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Bromodichloromethane	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Dibromomethane	ND	0.0132		mg/Kg-dry	1	7/8/2021 6:51:12 AM
cis-1,3-Dichloropropene	ND	0.0529		mg/Kg-dry	1	7/8/2021 6:51:12 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 11:25:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-004

Matrix: Soil

Client Sample ID: Art-N3-W25-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918

Analyst: KT

Toluene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Trans-1,3-Dichloropropylene	ND	0.0330		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0496		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,1,2-Trichloroethane	ND	0.0112		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,3-Dichloropropane	ND	0.0132		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Tetrachloroethene (PCE)	ND	0.0264		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Dibromochloromethane	ND	0.0132		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,2-Dibromoethane (EDB)	ND	0.00661		mg/Kg-dry	1	7/8/2021 6:51:12 AM
2-Hexanone (MBK)	ND	0.0397		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Chlorobenzene	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,1,1,2-Tetrachloroethane	ND	0.0132		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Ethylbenzene	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
m,p-Xylene	ND	0.0330		mg/Kg-dry	1	7/8/2021 6:51:12 AM
o-Xylene	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Styrene	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Isopropylbenzene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Bromoform	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,1,2,2-Tetrachloroethane	ND	0.00991		mg/Kg-dry	1	7/8/2021 6:51:12 AM
n-Propylbenzene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Bromobenzene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,3,5-Trimethylbenzene	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
2-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
4-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
tert-Butylbenzene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,2,3-Trichloropropane	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,2,4-Trichlorobenzene	ND	0.0264		mg/Kg-dry	1	7/8/2021 6:51:12 AM
sec-Butylbenzene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
4-Isopropyltoluene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,3-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,4-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
n-Butylbenzene	ND	0.0264		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,2-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,2-Dibromo-3-chloropropane	ND	0.0397		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,2,4-Trimethylbenzene	ND	0.0165		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Hexachloro-1,3-butadiene	ND	0.0330		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Naphthalene	ND	0.0661		mg/Kg-dry	1	7/8/2021 6:51:12 AM
1,2,3-Trichlorobenzene	ND	0.0330		mg/Kg-dry	1	7/8/2021 6:51:12 AM
Surr: Dibromofluoromethane	103	80 - 120		%Rec	1	7/8/2021 6:51:12 AM
Surr: Toluene-d8	104	80 - 120		%Rec	1	7/8/2021 6:51:12 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 11:25:00 AM

Project: Schnitzer - Artiste

Lab ID: 2107094-004

Matrix: Soil

Client Sample ID: Art-N3-W25-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	90.8	80 - 120		%Rec	1	7/8/2021 6:51:12 AM
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Mercury by EPA Method 7471

Batch ID: 32923 Analyst: LB

Mercury	ND	0.264		mg/Kg-dry	1	7/8/2021 2:37:27 PM
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Total Metals by EPA Method 6020B

Batch ID: 32920 Analyst: EH

Arsenic	6.16	0.104		mg/Kg-dry	1	7/8/2021 3:10:06 PM
Barium	77.1	0.521		mg/Kg-dry	1	7/8/2021 3:10:06 PM
Cadmium	0.376	0.174		mg/Kg-dry	1	7/8/2021 3:10:06 PM
Chromium	31.3	0.347		mg/Kg-dry	1	7/8/2021 3:10:06 PM
Lead	57.6	0.174		mg/Kg-dry	1	7/8/2021 3:10:06 PM
Selenium	1.25	0.174		mg/Kg-dry	1	7/8/2021 3:10:06 PM
Silver	ND	0.130		mg/Kg-dry	1	7/8/2021 3:10:06 PM

Sample Moisture (Percent Moisture)

Batch ID: R68400 Analyst: OK

Percent Moisture	7.17	0.500		wt%	1	7/7/2021 3:06:57 PM
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Client: Aspect Consulting

Collection Date: 7/7/2021 12:30:00 PM

Project: Schnitzer - Artiste

Lab ID: 2107094-005

Matrix: Soil

Client Sample ID: Art-N43-W08-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32921

Analyst: MM

Diesel (Fuel Oil)	ND	49.9		mg/Kg-dry	1	7/8/2021 2:15:02 PM
Heavy Oil	ND	99.8		mg/Kg-dry	1	7/8/2021 2:15:02 PM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	7/8/2021 2:15:02 PM
Surr: 2-Fluorobiphenyl	116	50 - 150		%Rec	1	7/8/2021 2:15:02 PM
Surr: o-Terphenyl	121	50 - 150		%Rec	1	7/8/2021 2:15:02 PM

Sample Moisture (Percent Moisture)

Batch ID: R68400

Analyst: OK

Percent Moisture	7.40	0.500		wt%	1	7/7/2021 3:06:57 PM
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Client: Aspect Consulting

Collection Date: 7/7/2021 12:35:00 PM

Project: Schnitzer - Artiste

Lab ID: 2107094-006

Matrix: Soil

Client Sample ID: Art-N43-W10-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32921

Analyst: MM

Diesel (Fuel Oil)	ND	49.5		mg/Kg-dry	1	7/8/2021 12:07:20 PM
Heavy Oil	ND	99.1		mg/Kg-dry	1	7/8/2021 12:07:20 PM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	7/8/2021 12:07:20 PM
Surr: 2-Fluorobiphenyl	86.3	50 - 150		%Rec	1	7/8/2021 12:07:20 PM
Surr: o-Terphenyl	92.6	50 - 150		%Rec	1	7/8/2021 12:07:20 PM

Sample Moisture (Percent Moisture)

Batch ID: R68400

Analyst: OK

Percent Moisture	10.0	0.500		wt%	1	7/7/2021 3:06:57 PM
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Client: Aspect Consulting

Collection Date: 7/7/2021 12:40:00 PM

Project: Schnitzer - Artiste

Lab ID: 2107094-007

Matrix: Soil

Client Sample ID: Art-N47-W10-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32921

Analyst: MM

Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	7/8/2021 2:55:56 PM
Heavy Oil	ND	102		mg/Kg-dry	1	7/8/2021 2:55:56 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	7/8/2021 2:55:56 PM
Surr: 2-Fluorobiphenyl	84.5	50 - 150		%Rec	1	7/8/2021 2:55:56 PM
Surr: o-Terphenyl	89.6	50 - 150		%Rec	1	7/8/2021 2:55:56 PM

Sample Moisture (Percent Moisture)

Batch ID: R68400

Analyst: OK

Percent Moisture	7.34	0.500		wt%	1	7/7/2021 3:06:57 PM
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Client: Aspect Consulting

Collection Date: 7/7/2021 12:45:00 PM

Project: Schnitzer - Artiste

Lab ID: 2107094-008

Matrix: Soil

Client Sample ID: Art-N46-W12-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32921

Analyst: MM

Diesel (Fuel Oil)	ND	49.1		mg/Kg-dry	1	7/8/2021 3:08:42 PM
Heavy Oil	ND	98.3		mg/Kg-dry	1	7/8/2021 3:08:42 PM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	7/8/2021 3:08:42 PM
Surr: 2-Fluorobiphenyl	91.3	50 - 150		%Rec	1	7/8/2021 3:08:42 PM
Surr: o-Terphenyl	96.6	50 - 150		%Rec	1	7/8/2021 3:08:42 PM

Sample Moisture (Percent Moisture)

Batch ID: R68400

Analyst: OK

Percent Moisture	7.90	0.500		wt%	1	7/7/2021 3:06:57 PM
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Client: Aspect Consulting

Collection Date: 7/7/2021 12:50:00 PM

Project: Schnitzer - Artiste

Lab ID: 2107094-009

Matrix: Soil

Client Sample ID: Art-N50-W10-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 32921

Analyst: MM

Diesel (Fuel Oil)	ND	50.6		mg/Kg-dry	1	7/8/2021 3:21:34 PM
Heavy Oil	ND	101		mg/Kg-dry	1	7/8/2021 3:21:34 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	7/8/2021 3:21:34 PM
Surr: 2-Fluorobiphenyl	91.8	50 - 150		%Rec	1	7/8/2021 3:21:34 PM
Surr: o-Terphenyl	95.4	50 - 150		%Rec	1	7/8/2021 3:21:34 PM

Sample Moisture (Percent Moisture)

Batch ID: R68400

Analyst: OK

Percent Moisture	6.54	0.500		wt%	1	7/7/2021 3:06:57 PM
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Client: Aspect Consulting

Collection Date: 7/7/2021 1:00:00 PM

Project: Schnitzer - Artiste

Lab ID: 2107094-010

Matrix: Soil

Client Sample ID: Art-TB-01B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	7/8/2021 1:16:42 AM
Chloromethane	ND	0.0800		mg/Kg	1	7/8/2021 1:16:42 AM
Vinyl chloride	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
Bromomethane	ND	0.150		mg/Kg	1	7/8/2021 1:16:42 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	7/8/2021 1:16:42 AM
Chloroethane	ND	0.120		mg/Kg	1	7/8/2021 1:16:42 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/8/2021 1:16:42 AM
Acetone	ND	0.500		mg/Kg	1	7/8/2021 1:16:42 AM
Methylene chloride	ND	0.0150		mg/Kg	1	7/8/2021 1:16:42 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	7/8/2021 1:16:42 AM
Chloroform	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	7/8/2021 1:16:42 AM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	7/8/2021 1:16:42 AM
Benzene	ND	0.0200		mg/Kg	1	7/8/2021 1:16:42 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/8/2021 1:16:42 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	7/8/2021 1:16:42 AM
Bromodichloromethane	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
Dibromomethane	ND	0.0200		mg/Kg	1	7/8/2021 1:16:42 AM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	7/8/2021 1:16:42 AM
Toluene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	7/8/2021 1:16:42 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	7/8/2021 1:16:42 AM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	7/8/2021 1:16:42 AM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	7/8/2021 1:16:42 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/8/2021 1:16:42 AM
Dibromochloromethane	ND	0.0200		mg/Kg	1	7/8/2021 1:16:42 AM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	7/8/2021 1:16:42 AM
2-Hexanone (MBK)	ND	0.0600		mg/Kg	1	7/8/2021 1:16:42 AM
Chlorobenzene	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	7/8/2021 1:16:42 AM
Ethylbenzene	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
m,p-Xylene	ND	0.0500		mg/Kg	1	7/8/2021 1:16:42 AM
o-Xylene	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 1:00:00 PM

Project: Schnitzer - Artiste

Lab ID: 2107094-010

Matrix: Soil

Client Sample ID: Art-TB-01B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918

Analyst: KT

Styrene	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
Isopropylbenzene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
Bromoform	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	7/8/2021 1:16:42 AM
n-Propylbenzene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
Bromobenzene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	7/8/2021 1:16:42 AM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	7/8/2021 1:16:42 AM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
n-Butylbenzene	ND	0.0400		mg/Kg	1	7/8/2021 1:16:42 AM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/8/2021 1:16:42 AM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	7/8/2021 1:16:42 AM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/8/2021 1:16:42 AM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	7/8/2021 1:16:42 AM
Naphthalene	ND	0.100		mg/Kg	1	7/8/2021 1:16:42 AM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	7/8/2021 1:16:42 AM
Surr: Dibromofluoromethane	101	80 - 120		%Rec	1	7/8/2021 1:16:42 AM
Surr: Toluene-d8	102	80 - 120		%Rec	1	7/8/2021 1:16:42 AM
Surr: 1-Bromo-4-fluorobenzene	92.5	80 - 120		%Rec	1	7/8/2021 1:16:42 AM

Work Order: 2107094
 CLIENT: Aspect Consulting
 Project: Schnitzer - Artiste

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-32920	SampType: MBLK	Units: mg/Kg	Prep Date: 7/7/2021	RunNo: 68428							
Client ID: MBLKS	Batch ID: 32920		Analysis Date: 7/8/2021	SeqNo: 1382669							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0916									
Barium	ND	0.458									
Cadmium	ND	0.153									
Chromium	ND	0.305									
Lead	ND	0.153									
Selenium	ND	0.153									
Silver	ND	0.115									

Sample ID: LCS-32920	SampType: LCS	Units: mg/Kg	Prep Date: 7/7/2021	RunNo: 68428							
Client ID: LCSS	Batch ID: 32920		Analysis Date: 7/8/2021	SeqNo: 1382670							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.3	0.0930	38.76	0	98.7	80	120				
Barium	39.1	0.465	38.76	0	101	80	120				
Cadmium	1.83	0.155	1.938	0	94.6	80	120				
Chromium	39.4	0.310	38.76	0	102	80	120				
Lead	19.6	0.155	19.38	0	101	80	120				
Selenium	3.94	0.155	3.876	0	102	80	120				
Silver	2.01	0.116	1.938	0	104	80	120				

Sample ID: 2107094-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68428							
Client ID: Art-N6-W24-158	Batch ID: 32920		Analysis Date: 7/8/2021	SeqNo: 1382673							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.5	0.0969	40.38	4.564	96.4	75	125				
Barium	126	0.485	40.38	96.05	74.8	75	125				S
Cadmium	2.06	0.162	2.019	0.1300	95.8	75	125				
Chromium	74.3	0.323	40.38	28.07	115	75	125				
Lead	36.8	0.162	20.19	19.11	87.8	75	125				

Work Order: 2107094
 CLIENT: Aspect Consulting
 Project: Schnitzer - Artiste

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2107094-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68428							
Client ID: Art-N6-W24-158	Batch ID: 32920		Analysis Date: 7/8/2021	SeqNo: 1382673							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	5.24	0.162	4.038	1.126	102	75	125				
Silver	1.90	0.121	2.019	0.06162	91.2	75	125				

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect (Sb, Ba).

Sample ID: 2107094-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68428							
Client ID: Art-N6-W24-158	Batch ID: 32920		Analysis Date: 7/8/2021	SeqNo: 1382674							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	44.4	0.0955	39.77	4.564	100	75	125	43.48	2.02	20	
Barium	117	0.477	39.77	96.05	52.2	75	125	126.3	7.79	20	S
Cadmium	2.06	0.159	1.989	0.1300	96.8	75	125	2.064	0.395	20	
Chromium	70.4	0.318	39.77	28.07	106	75	125	74.34	5.46	20	
Lead	39.1	0.159	19.89	19.11	101	75	125	36.83	5.99	20	
Selenium	4.88	0.159	3.977	1.126	94.3	75	125	5.236	7.12	20	
Silver	1.82	0.119	1.989	0.06162	88.6	75	125	1.904	4.33	20	

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect (Sb, Ba).

Sample ID: 2107094-002APDS	SampType: PDS	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68428							
Client ID: Art-N6-W24-158	Batch ID: 32920		Analysis Date: 7/8/2021	SeqNo: 1382675							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Barium	333	0.492	50.0	234	98.9	75	125				
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Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-32923	SampType: MBLK	Units: mg/Kg	Prep Date: 7/8/2021	RunNo: 68431							
Client ID: MBLKS	Batch ID: 32923	Analysis Date: 7/8/2021	SeqNo: 1382692								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-32923	SampType: LCS	Units: mg/Kg	Prep Date: 7/8/2021	RunNo: 68431							
Client ID: LCSS	Batch ID: 32923	Analysis Date: 7/8/2021	SeqNo: 1382693								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.538 0.250 0.5000 0 108 80 120

Sample ID: 2107094-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/8/2021	RunNo: 68431							
Client ID: Art-N2-W24-158	Batch ID: 32923	Analysis Date: 7/8/2021	SeqNo: 1382695								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.256 0 20

Sample ID: 2107094-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/8/2021	RunNo: 68431							
Client ID: Art-N2-W24-158	Batch ID: 32923	Analysis Date: 7/8/2021	SeqNo: 1382696								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.552 0.251 0.5026 0.02724 104 70 130

Sample ID: 2107094-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/8/2021	RunNo: 68431							
Client ID: Art-N2-W24-158	Batch ID: 32923	Analysis Date: 7/8/2021	SeqNo: 1382697								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.523 0.238 0.4762 0.02724 104 70 130 0.5519 5.41 20

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-32921	SampType: MBLK	Units: mg/Kg			Prep Date: 7/7/2021	RunNo: 68433					
Client ID: MBLKS	Batch ID: 32921				Analysis Date: 7/8/2021	SeqNo: 1382724					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.75		10.00		97.5	50	150				
Surr: o-Terphenyl	9.89		10.00		98.9	50	150				

Sample ID: LCS-32921	SampType: LCS	Units: mg/Kg			Prep Date: 7/7/2021	RunNo: 68433					
Client ID: LCSS	Batch ID: 32921				Analysis Date: 7/8/2021	SeqNo: 1382725					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	511	150	500.0	0	102	75.7	116				
Surr: 2-Fluorobiphenyl	10.3		10.00		103	50	150				
Surr: o-Terphenyl	11.7		10.00		117	50	150				

Sample ID: 2107093-001AMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 7/7/2021	RunNo: 68433					
Client ID: BATCH	Batch ID: 32921				Analysis Date: 7/8/2021	SeqNo: 1382727					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	563	149	496.2	0	113	59.6	134				
Surr: 2-Fluorobiphenyl	10.5		9.924		105	50	150				
Surr: o-Terphenyl	11.7		9.924		118	50	150				

Sample ID: 2107093-001AMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 7/7/2021	RunNo: 68433					
Client ID: BATCH	Batch ID: 32921				Analysis Date: 7/8/2021	SeqNo: 1382728					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	543	144	481.6	0	113	59.6	134	562.8	3.64	30	
Surr: 2-Fluorobiphenyl	8.80		9.632		91.4	50	150		0		
Surr: o-Terphenyl	11.2		9.632		116	50	150		0		

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2107093-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68433							
Client ID: BATCH	Batch ID: 32921	Analysis Date: 7/8/2021	SeqNo: 1382728								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2107094-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68433							
Client ID: Art-N2-W24-158	Batch ID: 32921	Analysis Date: 7/8/2021	SeqNo: 1382734								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	52.2						0		30	
Heavy Oil	190	104						167.9	12.2	30	
Total Petroleum Hydrocarbons	190	157						167.9	12.2	30	
Surr: 2-Fluorobiphenyl	9.11		10.45		87.2	50	150		0		
Surr: o-Terphenyl	9.29		10.45		88.9	50	150		0		

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32918	SampType: LCS	Units: mg/Kg			Prep Date: 7/7/2021	RunNo: 68419					
Client ID: LCSS	Batch ID: 32918				Analysis Date: 7/7/2021	SeqNo: 1382345					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	28.6	5.00	25.00	0	114	65	135				
Surr: Toluene-d8	1.24		1.250		99.2	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		100	65	135				

Sample ID: MB-32918	SampType: MBLK	Units: mg/Kg			Prep Date: 7/7/2021	RunNo: 68419					
Client ID: MBLKS	Batch ID: 32918				Analysis Date: 7/8/2021	SeqNo: 1382346					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.27		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.20		1.250		95.8	65	135				

Sample ID: 2107093-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/7/2021	RunNo: 68419					
Client ID: BATCH	Batch ID: 32918				Analysis Date: 7/8/2021	SeqNo: 1382350					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.59						0		30	
Surr: Toluene-d8	1.69		1.647		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.56		1.647		94.8	65	135		0		

Sample ID: 2107094-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/7/2021	RunNo: 68419					
Client ID: Art-N6-W24-158	Batch ID: 32918				Analysis Date: 7/8/2021	SeqNo: 1382357					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.26						0		30	
Surr: Toluene-d8	0.843		0.8157		103	65	135		0		
Surr: 4-Bromofluorobenzene	0.762		0.8157		93.4	65	135		0		

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2107094-004BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68419							
Client ID: Art-N3-W25-158	Batch ID: 32918	Analysis Date: 7/8/2021	SeqNo: 1382360								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	17.6	3.30	16.52	0	107	65	135				
Surr: Toluene-d8	0.841		0.8261		102	65	135				
Surr: 4-Bromofluorobenzene	0.844		0.8261		102	65	135				

Work Order: 2107094
 CLIENT: Aspect Consulting
 Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32918	SampType: LCS	Units: mg/Kg				Prep Date: 7/7/2021	RunNo: 68418				
Client ID: LCSS	Batch ID: 32918					Analysis Date: 7/7/2021	SeqNo: 1382307				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.01	0.0500	1.000	0	101	80	120				
Chloromethane	0.985	0.0800	1.000	0	98.5	80	120				
Vinyl chloride	1.01	0.0250	1.000	0	101	80	120				
Bromomethane	1.38	0.150	1.000	0	138	80	120				S
Trichlorofluoromethane (CFC-11)	0.988	0.0500	1.000	0	98.8	80	120				
Chloroethane	1.01	0.120	1.000	0	101	80	120				
1,1-Dichloroethene	0.977	0.100	1.000	0	97.7	80	120				
Acetone	2.76	0.500	2.500	0	111	80	120				
Methylene chloride	1.00	0.0150	1.000	0	100	80	120				
trans-1,2-Dichloroethene	0.981	0.0300	1.000	0	98.1	80	120				
Methyl tert-butyl ether (MTBE)	1.05	0.0300	1.000	0	105	80	120				
1,1-Dichloroethane	1.01	0.0250	1.000	0	101	80	120				
cis-1,2-Dichloroethene	0.986	0.0250	1.000	0	98.6	80	120				
(MEK) 2-Butanone	2.56	0.450	2.500	0	102	80	120				
Chloroform	1.00	0.0250	1.000	0	100	80	120				
1,1,1-Trichloroethane (TCA)	1.00	0.0250	1.000	0	100	80	120				
1,1-Dichloropropene	0.991	0.0250	1.000	0	99.1	80	120				
Carbon tetrachloride	0.990	0.0750	1.000	0	99.0	80	120				
1,2-Dichloroethane (EDC)	1.04	0.0230	1.000	0	104	80	120				
Benzene	1.01	0.0200	1.000	0	101	80	120				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	80	120				
1,2-Dichloropropane	1.03	0.0200	1.000	0	103	80	120				
Bromodichloromethane	1.01	0.0250	1.000	0	101	80	120				
Dibromomethane	1.03	0.0200	1.000	0	103	80	120				
cis-1,3-Dichloropropene	1.02	0.0800	1.000	0	102	80	120				
Toluene	0.987	0.0300	1.000	0	98.7	80	120				
Trans-1,3-Dichloropropylene	0.997	0.0500	1.000	0	99.7	80	120				
Methyl Isobutyl Ketone (MIBK)	2.78	0.0750	2.500	0	111	80	120				
1,1,2-Trichloroethane	1.02	0.0170	1.000	0	102	80	120				
1,3-Dichloropropane	1.04	0.0200	1.000	0	104	80	120				

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32918	SampType: LCS	Units: mg/Kg	Prep Date: 7/7/2021	RunNo: 68418
Client ID: LCSS	Batch ID: 32918		Analysis Date: 7/7/2021	SeqNo: 1382307

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.960	0.0400	1.000	0	96.0	80	120				
Dibromochloromethane	0.967	0.0200	1.000	0	96.7	80	120				
1,2-Dibromoethane (EDB)	1.02	0.0100	1.000	0	102	80	120				
2-Hexanone (MBK)	2.11	0.0600	2.500	0	84.3	80	120				
Chlorobenzene	0.981	0.0250	1.000	0	98.1	80	120				
1,1,1,2-Tetrachloroethane	0.972	0.0200	1.000	0	97.2	80	120				
Ethylbenzene	0.998	0.0250	1.000	0	99.8	80	120				
m,p-Xylene	1.98	0.0500	2.000	0	99.1	80	120				
o-Xylene	0.974	0.0250	1.000	0	97.4	80	120				
Styrene	1.01	0.0250	1.000	0	101	80	120				
Isopropylbenzene	0.980	0.0300	1.000	0	98.0	80	120				
Bromoform	0.945	0.0250	1.000	0	94.5	80	120				
1,1,2,2-Tetrachloroethane	1.02	0.0150	1.000	0	102	80	120				
n-Propylbenzene	0.999	0.0300	1.000	0	99.9	80	120				
Bromobenzene	0.974	0.0300	1.000	0	97.4	80	120				
1,3,5-Trimethylbenzene	0.989	0.0250	1.000	0	98.9	80	120				
2-Chlorotoluene	0.992	0.0300	1.000	0	99.2	80	120				
4-Chlorotoluene	0.993	0.0300	1.000	0	99.3	80	120				
tert-Butylbenzene	0.983	0.0300	1.000	0	98.3	80	120				
1,2,3-Trichloropropane	1.04	0.0250	1.000	0	104	80	120				
1,2,4-Trichlorobenzene	1.01	0.0400	1.000	0	101	80	120				
sec-Butylbenzene	0.989	0.0300	1.000	0	98.9	80	120				
4-Isopropyltoluene	0.988	0.0300	1.000	0	98.8	80	120				
1,3-Dichlorobenzene	0.973	0.0350	1.000	0	97.3	80	120				
1,4-Dichlorobenzene	0.984	0.0300	1.000	0	98.4	80	120				
n-Butylbenzene	0.949	0.0400	1.000	0	94.9	80	120				
1,2-Dichlorobenzene	0.990	0.0300	1.000	0	99.0	80	120				
1,2-Dibromo-3-chloropropane	0.996	0.0600	1.000	0	99.6	80	120				
1,2,4-Trimethylbenzene	0.999	0.0250	1.000	0	99.9	80	120				
Hexachloro-1,3-butadiene	0.915	0.0500	1.000	0	91.5	80	120				

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32918	SampType: LCS	Units: mg/Kg	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: LCSS	Batch ID: 32918		Analysis Date: 7/7/2021	SeqNo: 1382307							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.10	0.100	1.000	0	110	80	120				
1,2,3-Trichlorobenzene	1.13	0.0500	1.000	0	113	80	120				
Surr: Dibromofluoromethane	1.31		1.250		105	80	120				
Surr: Toluene-d8	1.30		1.250		104	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	80	120				

NOTES:

S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: MB-32918	SampType: MBLK	Units: mg/Kg	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: MBLKS	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382291							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32918	SampType: MBLK	Units: mg/Kg	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: MBLKS	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382291							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									

Work Order: 2107094
 CLIENT: Aspect Consulting
 Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32918	SampType: MBLK	Units: mg/Kg	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: MBLKS	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382291							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.26		1.250		101	80	120				
Surr: Toluene-d8	1.28		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.0	80	120				

Sample ID: 2107093-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: BATCH	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382295							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0659						0		30	
Chloromethane	ND	0.105						0		30	
Vinyl chloride	ND	0.0329						0		30	
Bromomethane	ND	0.198						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0659						0		30	
Chloroethane	ND	0.158						0		30	
1,1-Dichloroethene	ND	0.132						0		30	
Acetone	ND	0.659						0		30	
Methylene chloride	ND	0.0198						0		30	

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107093-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68418
Client ID: BATCH	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382295

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0395						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0395						0		30	
1,1-Dichloroethane	ND	0.0329						0		30	
cis-1,2-Dichloroethene	ND	0.0329						0		30	
(MEK) 2-Butanone	ND	0.593						0		30	
Chloroform	ND	0.0329						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0329						0		30	
1,1-Dichloropropene	ND	0.0329						0		30	
Carbon tetrachloride	ND	0.0988						0		30	
1,2-Dichloroethane (EDC)	ND	0.0303						0		30	
Benzene	ND	0.0263						0		30	
Trichloroethene (TCE)	ND	0.0263						0		30	
1,2-Dichloropropane	ND	0.0263						0		30	
Bromodichloromethane	ND	0.0329						0		30	
Dibromomethane	ND	0.0263						0		30	
cis-1,3-Dichloropropene	ND	0.105						0		30	
Toluene	ND	0.0395						0		30	
Trans-1,3-Dichloropropylene	ND	0.0659						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0988						0		30	
1,1,2-Trichloroethane	ND	0.0224						0		30	
1,3-Dichloropropane	ND	0.0263						0		30	
Tetrachloroethene (PCE)	ND	0.0527						0		30	
Dibromochloromethane	ND	0.0263						0		30	
1,2-Dibromoethane (EDB)	ND	0.0132						0		30	
2-Hexanone (MBK)	ND	0.0790						0		30	
Chlorobenzene	ND	0.0329						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0263						0		30	
Ethylbenzene	ND	0.0329						0		30	
m,p-Xylene	ND	0.0659						0		30	
o-Xylene	ND	0.0329						0		30	

Work Order: 2107094
 CLIENT: Aspect Consulting
 Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107093-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: BATCH	Batch ID: 32918	Analysis Date: 7/8/2021	SeqNo: 1382295								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	ND	0.0329						0		30	
Isopropylbenzene	ND	0.0395						0		30	
Bromoform	ND	0.0329						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0198						0		30	
n-Propylbenzene	ND	0.0395						0		30	
Bromobenzene	ND	0.0395						0		30	
1,3,5-Trimethylbenzene	ND	0.0329						0		30	
2-Chlorotoluene	ND	0.0395						0		30	
4-Chlorotoluene	ND	0.0395						0		30	
tert-Butylbenzene	ND	0.0395						0		30	
1,2,3-Trichloropropane	ND	0.0329						0		30	
1,2,4-Trichlorobenzene	ND	0.0527						0		30	
sec-Butylbenzene	ND	0.0395						0		30	
4-Isopropyltoluene	ND	0.0395						0		30	
1,3-Dichlorobenzene	ND	0.0461						0		30	
1,4-Dichlorobenzene	ND	0.0395						0		30	
n-Butylbenzene	ND	0.0527						0		30	
1,2-Dichlorobenzene	ND	0.0395						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0790						0		30	
1,2,4-Trimethylbenzene	ND	0.0329						0		30	
Hexachloro-1,3-butadiene	ND	0.0659						0		30	
Naphthalene	ND	0.132						0		30	
1,2,3-Trichlorobenzene	ND	0.0659						0		30	
Surr: Dibromofluoromethane	1.68		1.647		102	80	120		0		
Surr: Toluene-d8	1.69		1.647		102	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.53		1.647		93.1	80	120		0		

Work Order: 2107094
 CLIENT: Aspect Consulting
 Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107094-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: Art-N6-W24-158	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382302							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0326						0		30	
Chloromethane	ND	0.0522						0		30	
Vinyl chloride	ND	0.0163						0		30	
Bromomethane	ND	0.0979						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0326						0		30	
Chloroethane	ND	0.0783						0		30	
1,1-Dichloroethene	ND	0.0653						0		30	
Acetone	ND	0.326						0		30	
Methylene chloride	ND	0.00979						0		30	
trans-1,2-Dichloroethene	ND	0.0196						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0196						0		30	
1,1-Dichloroethane	ND	0.0163						0		30	
cis-1,2-Dichloroethene	ND	0.0163						0		30	
(MEK) 2-Butanone	ND	0.294						0		30	
Chloroform	ND	0.0163						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0163						0		30	
1,1-Dichloropropene	ND	0.0163						0		30	
Carbon tetrachloride	ND	0.0489						0		30	
1,2-Dichloroethane (EDC)	ND	0.0150						0		30	
Benzene	ND	0.0131						0		30	
Trichloroethene (TCE)	ND	0.0131						0		30	
1,2-Dichloropropane	ND	0.0131						0		30	
Bromodichloromethane	ND	0.0163						0		30	
Dibromomethane	ND	0.0131						0		30	
cis-1,3-Dichloropropene	ND	0.0522						0		30	
Toluene	ND	0.0196						0		30	
Trans-1,3-Dichloropropylene	ND	0.0326						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0489						0		30	
1,1,2-Trichloroethane	ND	0.0111						0		30	
1,3-Dichloropropane	ND	0.0131						0		30	

Work Order: 2107094
 CLIENT: Aspect Consulting
 Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107094-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: Art-N6-W24-158	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382302							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0261						0		30	
Dibromochloromethane	ND	0.0131						0		30	
1,2-Dibromoethane (EDB)	ND	0.00653						0		30	
2-Hexanone (MBK)	ND	0.0392						0		30	
Chlorobenzene	ND	0.0163						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0131						0		30	
Ethylbenzene	ND	0.0163						0		30	
m,p-Xylene	ND	0.0326						0		30	
o-Xylene	ND	0.0163						0		30	
Styrene	ND	0.0163						0		30	
Isopropylbenzene	ND	0.0196						0		30	
Bromoform	ND	0.0163						0		30	
1,1,2,2-Tetrachloroethane	ND	0.00979						0		30	
n-Propylbenzene	ND	0.0196						0		30	
Bromobenzene	ND	0.0196						0		30	
1,3,5-Trimethylbenzene	ND	0.0163						0		30	
2-Chlorotoluene	ND	0.0196						0		30	
4-Chlorotoluene	ND	0.0196						0		30	
tert-Butylbenzene	ND	0.0196						0		30	
1,2,3-Trichloropropane	ND	0.0163						0		30	
1,2,4-Trichlorobenzene	ND	0.0261						0		30	
sec-Butylbenzene	ND	0.0196						0		30	
4-Isopropyltoluene	ND	0.0196						0		30	
1,3-Dichlorobenzene	ND	0.0228						0		30	
1,4-Dichlorobenzene	ND	0.0196						0		30	
n-Butylbenzene	ND	0.0261						0		30	
1,2-Dichlorobenzene	ND	0.0196						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0392						0		30	
1,2,4-Trimethylbenzene	ND	0.0163						0		30	
Hexachloro-1,3-butadiene	ND	0.0326						0		30	

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107094-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: Art-N6-W24-158	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382302							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.0653						0		30	
1,2,3-Trichlorobenzene	ND	0.0326						0		30	
Surr: Dibromofluoromethane	0.834		0.8157		102	80	120		0		
Surr: Toluene-d8	0.837		0.8157		103	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.748		0.8157		91.7	80	120		0		

Sample ID: 2107093-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: BATCH	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382305							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.14	0.0651	1.302	0	87.4	5	173				
Chloromethane	1.29	0.104	1.302	0	98.8	39.5	138				
Vinyl chloride	1.29	0.0326	1.302	0	99.2	41.9	145				
Bromomethane	2.17	0.195	1.302	0	167	63.4	160				S
Trichlorofluoromethane (CFC-11)	1.26	0.0651	1.302	0	97.2	32.4	158				
Chloroethane	1.62	0.156	1.302	0	125	40.1	160				
1,1-Dichloroethene	1.32	0.130	1.302	0	101	62.1	135				
Acetone	3.91	0.651	3.255	0	120	45.8	168				
Methylene chloride	1.39	0.0195	1.302	0	107	65.6	137				
trans-1,2-Dichloroethene	1.34	0.0391	1.302	0	103	65.4	137				
Methyl tert-butyl ether (MTBE)	1.37	0.0391	1.302	0	105	48.1	157				
1,1-Dichloroethane	1.39	0.0326	1.302	0	107	61.9	142				
cis-1,2-Dichloroethene	1.34	0.0326	1.302	0	103	81.9	124				
(MEK) 2-Butanone	3.36	0.586	3.255	0	103	56	144				
Chloroform	1.41	0.0326	1.302	0	108	79.3	127				
1,1,1-Trichloroethane (TCA)	1.36	0.0326	1.302	0	105	80	121				
1,1-Dichloropropene	1.32	0.0326	1.302	0	101	76.4	127				
Carbon tetrachloride	1.32	0.0977	1.302	0	102	68.6	130				
1,2-Dichloroethane (EDC)	1.44	0.0299	1.302	0	111	70.1	137				
Benzene	1.39	0.0260	1.302	0	107	80	123				

Work Order: 2107094
 CLIENT: Aspect Consulting
 Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107093-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68418							
Client ID: BATCH	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382305							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	1.41	0.0260	1.302	0	108	79	130				
1,2-Dichloropropane	1.42	0.0260	1.302	0	109	80	121				
Bromodichloromethane	1.39	0.0326	1.302	0	107	72.8	124				
Dibromomethane	1.42	0.0260	1.302	0	109	77.2	122				
cis-1,3-Dichloropropene	1.34	0.104	1.302	0	103	75.1	121				
Toluene	1.37	0.0391	1.302	0	105	80	125				
Trans-1,3-Dichloropropylene	1.33	0.0651	1.302	0	102	73.9	122				
Methyl Isobutyl Ketone (MIBK)	3.61	0.0977	3.255	0	111	47.1	154				
1,1,2-Trichloroethane	1.40	0.0221	1.302	0	107	76.2	123				
1,3-Dichloropropane	1.40	0.0260	1.302	0	107	67.2	131				
Tetrachloroethene (PCE)	1.29	0.0521	1.302	0	99.2	77.2	128				
Dibromochloromethane	1.32	0.0260	1.302	0	102	63.3	129				
1,2-Dibromoethane (EDB)	1.37	0.0130	1.302	0	105	75.1	124				
2-Hexanone (MBK)	2.56	0.0781	3.255	0	78.7	40.5	170				
Chlorobenzene	1.37	0.0326	1.302	0	105	80	120				
1,1,1,2-Tetrachloroethane	1.36	0.0260	1.302	0	105	80	120				
Ethylbenzene	1.37	0.0326	1.302	0	105	80	133				
m,p-Xylene	2.76	0.0651	2.604	0	106	80	129				
o-Xylene	1.33	0.0326	1.302	0	102	73.4	131				
Styrene	1.41	0.0326	1.302	0	108	77.4	125				
Isopropylbenzene	1.33	0.0391	1.302	0	103	76.7	132				
Bromoform	1.29	0.0326	1.302	0	98.9	69.7	127				
1,1,2,2-Tetrachloroethane	1.36	0.0195	1.302	0	105	62.8	132				
n-Propylbenzene	1.38	0.0391	1.302	0	106	77.2	134				
Bromobenzene	1.35	0.0391	1.302	0	104	77.2	125				
1,3,5-Trimethylbenzene	1.38	0.0326	1.302	0	106	79.8	125				
2-Chlorotoluene	1.39	0.0391	1.302	0	107	78.3	127				
4-Chlorotoluene	1.40	0.0391	1.302	0	108	79.9	123				
tert-Butylbenzene	1.35	0.0391	1.302	0	103	74.7	132				
1,2,3-Trichloropropane	1.41	0.0326	1.302	0	108	65.9	128				

Work Order: 2107094
CLIENT: Aspect Consulting
Project: Schnitzer - Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107093-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/7/2021	RunNo: 68418
Client ID: BATCH	Batch ID: 32918		Analysis Date: 7/8/2021	SeqNo: 1382305

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.40	0.0521	1.302	0	108	78.5	129				
sec-Butylbenzene	1.35	0.0391	1.302	0	104	73.8	135				
4-Isopropyltoluene	1.34	0.0391	1.302	0	103	73.9	134				
1,3-Dichlorobenzene	1.31	0.0456	1.302	0	101	80	123				
1,4-Dichlorobenzene	1.33	0.0391	1.302	0	102	80	122				
n-Butylbenzene	1.22	0.0521	1.302	0	93.5	80	130				
1,2-Dichlorobenzene	1.36	0.0391	1.302	0	104	80	120				
1,2-Dibromo-3-chloropropane	1.29	0.0781	1.302	0	99.1	66.1	131				
1,2,4-Trimethylbenzene	1.38	0.0326	1.302	0	106	80	124				
Hexachloro-1,3-butadiene	1.21	0.0651	1.302	0	93.3	70.9	135				
Naphthalene	1.56	0.130	1.302	0	120	53.8	164				
1,2,3-Trichlorobenzene	1.53	0.0651	1.302	0	118	75.8	131				
Surr: Dibromofluoromethane	1.74		1.628		107	80	120				
Surr: Toluene-d8	1.72		1.628		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.70		1.628		104	80	120				

NOTES:
 S - Outlying spike recovery observed (high bias).

Client Name: **AC**

 Work Order Number: **2107094**

 Logged by: **Clare Griggs**

 Date Received: **7/7/2021 2:45:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Picked up by FAI

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	1.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 7/7/21 Page: 1 of 1

Project Name: Schnitzer - Airfare

Project No: 190298

Collected by: DRB Paul Blum

Location:

Report To (PM): Alli Cochran

PM Email: acochran@aspectconsulting.com

Laboratory Project No (Internal): 2107094

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes										Comments		
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (HX)	SVOCs (EPA 8270 - SIM)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)		Anions (IC)***	EDB (801)
1 Art-N12-W24-158	7/7/21	0930	Soil	3	X	X	X	X	X	X	X	X	X	X	X		
2 Art-N16-W24-158		1100			X	X	X	X	X	X	X	X	X	X	X		
3 Art-N17-W25-158		1130			X	X	X	X	X	X	X	X	X	X	X		
4 Art-N13-W25-158		1125			X	X	X	X	X	X	X	X	X	X	X		
5 Art-N43-E08-153		1230															
6 Art-N43-E08-153		1235															
7 Art-N47-E05-153		1240															
8 Art-N46-E02-153		1245															
9 Art-N50-E05-153		1250															
10 Art-TB-D1	7/7/21	1300	A	1	X												

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) [Signature] Print Name Paul Blum Date/Time 7/7/21

Received (Signature) [Signature] Print Name Paul Blum Date/Time 7/7/21 14:10

Relinquished (Signature) [Signature] Print Name Paul Blum Date/Time 7/7/21 14:45

Received (Signature) [Signature] Print Name Paul Blum Date/Time 7/7/21 14:45



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 7/7/21 Page: 1 of 1

Project Name: Schnitzer - Ashgate
Laboratory Project No (Internal): 2107094
Special Remarks: Sample ID updates per M.L.K. 7/23/2021 -BB

Client: Aspect Consulting
Address: 710 2nd Ave #550
City, State, zip: Seattle, Wa, 98104

Project No: 190298
Collected by: DRB Paul Blum
Location:

Telephone: 316 617 0419

Report To (PM): Ali Cochran
PM Email: acochran@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes													Comments
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (HX)	SVOCs (EPA 8270 - SIM)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	RCRAB (8011)		
1 Art-N12-W24-158	7/7/21	0930	Soil	3	X	X	X	X	X	X	X	X	X	X	X	X	X	
2 Art-N16-W24-158		1100			X	X	X	X	X	X	X	X	X	X	X	X	X	
3 Art-N17-W25-158		1130			X	X	X	X	X	X	X	X	X	X	X	X	X	
4 Art-N13-W25-158		1125			X	X	X	X	X	X	X	X	X	X	X	X	X	
5 Art-N43-W08-153		1230			X	X	X	X	X	X	X	X	X	X	X	X	X	Art-N43-W08-153
6 Art-N43-W10-153		1235			X	X	X	X	X	X	X	X	X	X	X	X	X	Art-N43-W10-153
7 Art-N47-W05-153		1240			X	X	X	X	X	X	X	X	X	X	X	X	X	Art-N43-W10-153
8 Art-N46-W12-153		1245			X	X	X	X	X	X	X	X	X	X	X	X	X	Art-N46-W12-153
9 Art-N50-W10-153		1250			X	X	X	X	X	X	X	X	X	X	X	X	X	Art-N50-W10-153
10 Art-TB-D1B	7/7/21	1300	A	1	X													

Please revise sample IDs to correct the E## to the W## given in the comments to the right. Thanks!

Please add "B" to the end of this sample ID. Thanks

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature): [Signature] Print Name: Paul Blum Date/Time: 7/7/21 14:10
 Relinquished (Signature): [Signature] Print Name: [Signature] Date/Time: 7/7/21 14:45
 www.fremontanalytical.com



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artiste

Work Order Number: 2107232

July 16, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 7 sample(s) on 7/15/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Mercury by EPA Method 7471

Sample Moisture (Percent Moisture)

Total Metals by EPA Method 6020B

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original



CLIENT: Aspect Consulting
Project: Schnitzer Artiste
Work Order: 2107232

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107232-001	Art-N05-W17-156	07/15/2021 8:00 AM	07/15/2021 2:10 PM
2107232-002	Art-N07-W14-156	07/15/2021 8:05 AM	07/15/2021 2:10 PM
2107232-003	Art-N11-W12-156	07/15/2021 8:15 AM	07/15/2021 2:10 PM
2107232-004	Art-N13-W20-156	07/15/2021 8:20 AM	07/15/2021 2:10 PM
2107232-005	Art-N09-W20-156	07/15/2021 8:40 AM	07/15/2021 2:10 PM
2107232-006	Art-N02-W22-158	07/15/2021 8:30 AM	07/15/2021 2:10 PM
2107232-007	Art-TB-02	07/15/2021 7:30 AM	07/15/2021 2:10 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 7/15/2021 8:00:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-001

Matrix: Soil

Client Sample ID: Art-N05-W17-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33020	Analyst: IH
Diesel (Fuel Oil)	ND	49.9		mg/Kg-dry	1	7/16/2021 12:42:37 AM
Heavy Oil	ND	99.7		mg/Kg-dry	1	7/16/2021 12:42:37 AM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	7/16/2021 12:42:37 AM
Surr: 2-Fluorobiphenyl	84.2	50 - 150		%Rec	1	7/16/2021 12:42:37 AM
Surr: o-Terphenyl	91.0	50 - 150		%Rec	1	7/16/2021 12:42:37 AM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33021	Analyst: KT
Gasoline	ND	3.01		mg/Kg-dry	1	7/15/2021 11:44:11 PM
Surr: Toluene-d8	98.9	65 - 135		%Rec	1	7/15/2021 11:44:11 PM
Surr: 4-Bromofluorobenzene	87.6	65 - 135		%Rec	1	7/15/2021 11:44:11 PM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68586	Analyst: cb
Percent Moisture	4.94	0.500		wt%	1	7/15/2021 3:00:48 PM



Client: Aspect Consulting

Collection Date: 7/15/2021 8:05:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-002

Matrix: Soil

Client Sample ID: Art-N07-W14-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33020 Analyst: IH

Diesel (Fuel Oil)	ND	50.5		mg/Kg-dry	1	7/16/2021 1:21:06 AM
Heavy Oil	ND	101		mg/Kg-dry	1	7/16/2021 1:21:06 AM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	7/16/2021 1:21:06 AM
Surr: 2-Fluorobiphenyl	85.7	50 - 150		%Rec	1	7/16/2021 1:21:06 AM
Surr: o-Terphenyl	91.5	50 - 150		%Rec	1	7/16/2021 1:21:06 AM

Gasoline by NWTPH-Gx

Batch ID: 33021 Analyst: KT

Gasoline	ND	4.01		mg/Kg-dry	1	7/16/2021 12:14:19 AM
Surr: Toluene-d8	99.8	65 - 135		%Rec	1	7/16/2021 12:14:19 AM
Surr: 4-Bromofluorobenzene	87.4	65 - 135		%Rec	1	7/16/2021 12:14:19 AM

Sample Moisture (Percent Moisture)

Batch ID: R68586 Analyst: cb

Percent Moisture	7.09	0.500		wt%	1	7/15/2021 3:00:48 PM
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Client: Aspect Consulting

Collection Date: 7/15/2021 8:15:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-003

Matrix: Soil

Client Sample ID: Art-N11-W12-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33020 Analyst: IH

Diesel (Fuel Oil)	ND	53.4		mg/Kg-dry	1	7/16/2021 1:46:41 AM
Heavy Oil	ND	107		mg/Kg-dry	1	7/16/2021 1:46:41 AM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	7/16/2021 1:46:41 AM
Surr: 2-Fluorobiphenyl	84.3	50 - 150		%Rec	1	7/16/2021 1:46:41 AM
Surr: o-Terphenyl	89.9	50 - 150		%Rec	1	7/16/2021 1:46:41 AM

Gasoline by NWTPH-Gx

Batch ID: 33021 Analyst: KT

Gasoline	ND	4.29		mg/Kg-dry	1	7/16/2021 12:44:24 AM
Surr: Toluene-d8	99.5	65 - 135		%Rec	1	7/16/2021 12:44:24 AM
Surr: 4-Bromofluorobenzene	87.2	65 - 135		%Rec	1	7/16/2021 12:44:24 AM

Sample Moisture (Percent Moisture)

Batch ID: R68586 Analyst: cb

Percent Moisture	7.19	0.500		wt%	1	7/15/2021 3:00:48 PM
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Client: Aspect Consulting

Collection Date: 7/15/2021 8:20:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-004

Matrix: Soil

Client Sample ID: Art-N13-W20-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33020 Analyst: IH

Diesel (Fuel Oil)	ND	54.6		mg/Kg-dry	1	7/16/2021 2:12:28 AM
Heavy Oil	327	109		mg/Kg-dry	1	7/16/2021 2:12:28 AM
Total Petroleum Hydrocarbons	327	164		mg/Kg-dry	1	7/16/2021 2:12:28 AM
Surr: 2-Fluorobiphenyl	86.6	50 - 150		%Rec	1	7/16/2021 2:12:28 AM
Surr: o-Terphenyl	94.2	50 - 150		%Rec	1	7/16/2021 2:12:28 AM

Gasoline by NWTPH-Gx

Batch ID: 33021 Analyst: KT

Gasoline	ND	4.48		mg/Kg-dry	1	7/16/2021 1:14:33 AM
Surr: Toluene-d8	98.9	65 - 135		%Rec	1	7/16/2021 1:14:33 AM
Surr: 4-Bromofluorobenzene	86.5	65 - 135		%Rec	1	7/16/2021 1:14:33 AM

Sample Moisture (Percent Moisture)

Batch ID: R68586 Analyst: cb

Percent Moisture	10.0	0.500		wt%	1	7/15/2021 3:00:48 PM
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Client: Aspect Consulting

Collection Date: 7/15/2021 8:40:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-005

Matrix: Soil

Client Sample ID: Art-N09-W20-156

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33020 Analyst: IH

Diesel (Fuel Oil)	ND	46.4		mg/Kg-dry	1	7/16/2021 2:38:07 AM
Heavy Oil	ND	92.7		mg/Kg-dry	1	7/16/2021 2:38:07 AM
Total Petroleum Hydrocarbons	ND	139		mg/Kg-dry	1	7/16/2021 2:38:07 AM
Surr: 2-Fluorobiphenyl	84.3	50 - 150		%Rec	1	7/16/2021 2:38:07 AM
Surr: o-Terphenyl	92.9	50 - 150		%Rec	1	7/16/2021 2:38:07 AM

Gasoline by NWTPH-Gx

Batch ID: 33021 Analyst: KT

Gasoline	ND	3.73		mg/Kg-dry	1	7/16/2021 6:10:04 AM
Surr: Toluene-d8	99.8	65 - 135		%Rec	1	7/16/2021 6:10:04 AM
Surr: 4-Bromofluorobenzene	86.2	65 - 135		%Rec	1	7/16/2021 6:10:04 AM

Sample Moisture (Percent Moisture)

Batch ID: R68586 Analyst: cb

Percent Moisture	4.47	0.500		wt%	1	7/15/2021 3:00:48 PM
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Client: Aspect Consulting

Collection Date: 7/15/2021 8:30:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-006

Matrix: Soil

Client Sample ID: Art-N02-W22-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33020

Analyst: IH

Diesel (Fuel Oil)	ND	48.2		mg/Kg-dry	1	7/16/2021 2:50:53 AM
Heavy Oil	ND	96.4		mg/Kg-dry	1	7/16/2021 2:50:53 AM
Total Petroleum Hydrocarbons	ND	145		mg/Kg-dry	1	7/16/2021 2:50:53 AM
Surr: 2-Fluorobiphenyl	90.7	50 - 150		%Rec	1	7/16/2021 2:50:53 AM
Surr: o-Terphenyl	96.7	50 - 150		%Rec	1	7/16/2021 2:50:53 AM

Gasoline by NWTPH-Gx

Batch ID: 33021

Analyst: KT

Gasoline	ND	4.28		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Surr: Toluene-d8	98.3	65 - 135		%Rec	1	7/16/2021 6:40:13 AM
Surr: 4-Bromofluorobenzene	88.2	65 - 135		%Rec	1	7/16/2021 6:40:13 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33021

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0428		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Chloromethane	ND	0.0685		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Vinyl chloride	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Bromomethane	ND	0.128		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Trichlorofluoromethane (CFC-11)	ND	0.0428		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Chloroethane	ND	0.103		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,1-Dichloroethene	ND	0.0856		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Acetone	ND	0.428		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Methylene chloride	ND	0.0128		mg/Kg-dry	1	7/16/2021 6:40:13 AM
trans-1,2-Dichloroethene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Methyl tert-butyl ether (MTBE)	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,1-Dichloroethane	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
cis-1,2-Dichloroethene	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
(MEK) 2-Butanone	ND	0.385		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Chloroform	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,1,1-Trichloroethane (TCA)	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,1-Dichloropropene	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Carbon tetrachloride	ND	0.0642		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,2-Dichloroethane (EDC)	ND	0.0197		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Benzene	ND	0.0171		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Trichloroethene (TCE)	ND	0.0171		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,2-Dichloropropane	ND	0.0171		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Bromodichloromethane	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Dibromomethane	ND	0.0171		mg/Kg-dry	1	7/16/2021 6:40:13 AM
cis-1,3-Dichloropropene	ND	0.0685		mg/Kg-dry	1	7/16/2021 6:40:13 AM



Client: Aspect Consulting

Collection Date: 7/15/2021 8:30:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-006

Matrix: Soil

Client Sample ID: Art-N02-W22-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33021

Analyst: KT

Toluene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Trans-1,3-Dichloropropylene	ND	0.0428		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0642		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,1,2-Trichloroethane	ND	0.0145		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,3-Dichloropropane	ND	0.0171		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Tetrachloroethene (PCE)	ND	0.0342		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Dibromochloromethane	ND	0.0171		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,2-Dibromoethane (EDB)	ND	0.00856		mg/Kg-dry	1	7/16/2021 6:40:13 AM
2-Hexanone (MBK)	ND	0.0513		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Chlorobenzene	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,1,1,2-Tetrachloroethane	ND	0.0171		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Ethylbenzene	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
m,p-Xylene	ND	0.0428		mg/Kg-dry	1	7/16/2021 6:40:13 AM
o-Xylene	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Styrene	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Isopropylbenzene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Bromoform	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,1,2,2-Tetrachloroethane	ND	0.0128		mg/Kg-dry	1	7/16/2021 6:40:13 AM
n-Propylbenzene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Bromobenzene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,3,5-Trimethylbenzene	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
2-Chlorotoluene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
4-Chlorotoluene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
tert-Butylbenzene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,2,3-Trichloropropane	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,2,4-Trichlorobenzene	ND	0.0342		mg/Kg-dry	1	7/16/2021 6:40:13 AM
sec-Butylbenzene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
4-Isopropyltoluene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,3-Dichlorobenzene	ND	0.0300		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,4-Dichlorobenzene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
n-Butylbenzene	ND	0.0342		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,2-Dichlorobenzene	ND	0.0257		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,2-Dibromo-3-chloropropane	ND	0.0513		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,2,4-Trimethylbenzene	ND	0.0214		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Hexachloro-1,3-butadiene	ND	0.0428		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Naphthalene	ND	0.0856		mg/Kg-dry	1	7/16/2021 6:40:13 AM
1,2,3-Trichlorobenzene	ND	0.0428		mg/Kg-dry	1	7/16/2021 6:40:13 AM
Surr: Dibromofluoromethane	95.3	80 - 120		%Rec	1	7/16/2021 6:40:13 AM
Surr: Toluene-d8	96.7	80 - 120		%Rec	1	7/16/2021 6:40:13 AM



Client: Aspect Consulting

Collection Date: 7/15/2021 8:30:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-006

Matrix: Soil

Client Sample ID: Art-N02-W22-158

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33021 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	91.1	80 - 120		%Rec	1	7/16/2021 6:40:13 AM
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Mercury by EPA Method 7471

Batch ID: 33024 Analyst: CH

Mercury	ND	0.251		mg/Kg-dry	1	7/16/2021 4:19:19 PM
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Total Metals by EPA Method 6020B

Batch ID: 33023 Analyst: EH

Arsenic	3.72	0.106		mg/Kg-dry	1	7/16/2021 2:27:13 PM
Barium	74.9	0.530		mg/Kg-dry	1	7/16/2021 2:27:13 PM
Cadmium	ND	0.177		mg/Kg-dry	1	7/16/2021 2:27:13 PM
Chromium	29.6	0.353		mg/Kg-dry	1	7/16/2021 2:27:13 PM
Lead	6.51	0.177		mg/Kg-dry	1	7/16/2021 2:27:13 PM
Selenium	0.897	0.177		mg/Kg-dry	1	7/16/2021 2:27:13 PM
Silver	ND	0.132		mg/Kg-dry	1	7/16/2021 2:27:13 PM

Sample Moisture (Percent Moisture)

Batch ID: R68586 Analyst: cb

Percent Moisture	9.36	0.500		wt%	1	7/15/2021 3:00:48 PM
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Client: Aspect Consulting

Collection Date: 7/15/2021 7:30:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-007

Matrix: Soil

Client Sample ID: Art-TB-02

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33021

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	7/15/2021 11:14:04 PM
Chloromethane	ND	0.0800		mg/Kg	1	7/15/2021 11:14:04 PM
Vinyl chloride	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
Bromomethane	ND	0.150		mg/Kg	1	7/15/2021 11:14:04 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	7/15/2021 11:14:04 PM
Chloroethane	ND	0.120		mg/Kg	1	7/15/2021 11:14:04 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/15/2021 11:14:04 PM
Acetone	ND	0.500		mg/Kg	1	7/15/2021 11:14:04 PM
Methylene chloride	ND	0.0150		mg/Kg	1	7/15/2021 11:14:04 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	7/15/2021 11:14:04 PM
Chloroform	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	7/15/2021 11:14:04 PM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	7/15/2021 11:14:04 PM
Benzene	ND	0.0200		mg/Kg	1	7/15/2021 11:14:04 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/15/2021 11:14:04 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	7/15/2021 11:14:04 PM
Bromodichloromethane	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
Dibromomethane	ND	0.0200		mg/Kg	1	7/15/2021 11:14:04 PM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	7/15/2021 11:14:04 PM
Toluene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	7/15/2021 11:14:04 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	7/15/2021 11:14:04 PM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	7/15/2021 11:14:04 PM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	7/15/2021 11:14:04 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/15/2021 11:14:04 PM
Dibromochloromethane	ND	0.0200		mg/Kg	1	7/15/2021 11:14:04 PM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	7/15/2021 11:14:04 PM
2-Hexanone (MBK)	ND	0.0600		mg/Kg	1	7/15/2021 11:14:04 PM
Chlorobenzene	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	7/15/2021 11:14:04 PM
Ethylbenzene	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
m,p-Xylene	ND	0.0500		mg/Kg	1	7/15/2021 11:14:04 PM
o-Xylene	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM



Client: Aspect Consulting

Collection Date: 7/15/2021 7:30:00 AM

Project: Schnitzer Artiste

Lab ID: 2107232-007

Matrix: Soil

Client Sample ID: Art-TB-02

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33021

Analyst: KT

Styrene	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
Isopropylbenzene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
Bromoform	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	7/15/2021 11:14:04 PM
n-Propylbenzene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
Bromobenzene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	7/15/2021 11:14:04 PM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	7/15/2021 11:14:04 PM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
n-Butylbenzene	ND	0.0400		mg/Kg	1	7/15/2021 11:14:04 PM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/15/2021 11:14:04 PM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	7/15/2021 11:14:04 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/15/2021 11:14:04 PM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	7/15/2021 11:14:04 PM
Naphthalene	ND	0.100		mg/Kg	1	7/15/2021 11:14:04 PM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	7/15/2021 11:14:04 PM
Surr: Dibromofluoromethane	95.5	80 - 120		%Rec	1	7/15/2021 11:14:04 PM
Surr: Toluene-d8	98.2	80 - 120		%Rec	1	7/15/2021 11:14:04 PM
Surr: 1-Bromo-4-fluorobenzene	92.4	80 - 120		%Rec	1	7/15/2021 11:14:04 PM

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-33023	SampType: MBLK	Units: mg/Kg	Prep Date: 7/16/2021	RunNo: 68617							
Client ID: MBLKS	Batch ID: 33023		Analysis Date: 7/16/2021	SeqNo: 1386825							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0952									
Barium	ND	0.476									
Cadmium	ND	0.159									
Chromium	ND	0.317									
Lead	ND	0.159									
Selenium	ND	0.159									
Silver	ND	0.119									

Sample ID: LCS-33023	SampType: LCS	Units: mg/Kg	Prep Date: 7/16/2021	RunNo: 68617							
Client ID: LCSS	Batch ID: 33023		Analysis Date: 7/16/2021	SeqNo: 1386826							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.3	0.0952	39.68	0	99.1	80	120				
Barium	38.2	0.476	39.68	0	96.3	80	120				
Cadmium	2.15	0.159	1.984	0	108	80	120				
Chromium	41.9	0.317	39.68	0	106	80	120				
Lead	19.5	0.159	19.84	0	98.1	80	120				
Selenium	3.74	0.159	3.968	0	94.4	80	120				
Silver	2.09	0.119	1.984	0	106	80	120				

Sample ID: 2107232-006AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/16/2021	RunNo: 68617							
Client ID: Art-N02-W22-158	Batch ID: 33023		Analysis Date: 7/16/2021	SeqNo: 1386829							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	49.8	0.107	44.48	3.720	104	75	125				
Barium	120	0.534	44.48	74.85	102	75	125				
Cadmium	2.56	0.178	2.224	0.1166	110	75	125				
Chromium	80.3	0.356	44.48	29.62	114	75	125				
Lead	27.5	0.178	22.24	6.506	94.4	75	125				

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2107232-006AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/16/2021	RunNo: 68617							
Client ID: Art-N02-W22-158	Batch ID: 33023	Analysis Date: 7/16/2021	SeqNo: 1386829								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	5.30	0.178	4.448	0.8975	98.9	75	125				
Silver	2.20	0.133	2.224	0.05900	96.4	75	125				

Sample ID: 2107232-006AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/16/2021	RunNo: 68617							
Client ID: Art-N02-W22-158	Batch ID: 33023	Analysis Date: 7/16/2021	SeqNo: 1386830								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	50.8	0.107	44.48	3.720	106	75	125	49.84	1.98	20	
Barium	109	0.534	44.48	74.85	76.6	75	125	120.0	9.69	20	
Cadmium	2.43	0.178	2.224	0.1166	104	75	125	2.557	4.95	20	
Chromium	77.5	0.356	44.48	29.62	108	75	125	80.32	3.55	20	
Lead	27.1	0.178	22.24	6.506	92.7	75	125	27.49	1.32	20	
Selenium	5.41	0.178	4.448	0.8975	101	75	125	5.297	2.03	20	
Silver	2.12	0.133	2.224	0.05900	92.8	75	125	2.204	3.73	20	

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-33024	SampType: MBLK	Units: mg/Kg	Prep Date: 7/16/2021	RunNo: 68628							
Client ID: MBLKS	Batch ID: 33024		Analysis Date: 7/16/2021	SeqNo: 1387040							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-33024	SampType: LCS	Units: mg/Kg	Prep Date: 7/16/2021	RunNo: 68628							
Client ID: LCSS	Batch ID: 33024		Analysis Date: 7/16/2021	SeqNo: 1387041							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.542 0.250 0.5000 0 108 80 120

Sample ID: 2107232-006ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/16/2021	RunNo: 68628							
Client ID: Art-N02-W22-158	Batch ID: 33024		Analysis Date: 7/16/2021	SeqNo: 1387043							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.270 0 20

Sample ID: 2107232-006AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/16/2021	RunNo: 68628							
Client ID: Art-N02-W22-158	Batch ID: 33024		Analysis Date: 7/16/2021	SeqNo: 1387044							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.612 0.270 0.5408 0.02638 108 70 130

Sample ID: 2107232-006AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/16/2021	RunNo: 68628							
Client ID: Art-N02-W22-158	Batch ID: 33024		Analysis Date: 7/16/2021	SeqNo: 1387045							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.575 0.260 0.5204 0.02638 105 70 130 0.6122 6.35 20

Work Order: 2107232
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33020	SampType: MBLK	Units: mg/Kg				Prep Date: 7/15/2021	RunNo: 68608				
Client ID: MBLKS	Batch ID: 33020					Analysis Date: 7/16/2021	SeqNo: 1386523				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.17		10.00		91.7	50	150				
Surr: o-Terphenyl	9.74		10.00		97.4	50	150				

Sample ID: LCS-33020	SampType: LCS	Units: mg/Kg				Prep Date: 7/15/2021	RunNo: 68608				
Client ID: LCSS	Batch ID: 33020					Analysis Date: 7/16/2021	SeqNo: 1386524				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	502	150	500.0	0	100	75.7	116				
Surr: 2-Fluorobiphenyl	8.86		10.00		88.6	50	150				
Surr: o-Terphenyl	11.4		10.00		114	50	150				

Sample ID: 2107232-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/15/2021	RunNo: 68608				
Client ID: Art-N05-W17-156	Batch ID: 33020					Analysis Date: 7/16/2021	SeqNo: 1386526				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	505	142	471.8	0	107	59.6	134				
Surr: 2-Fluorobiphenyl	6.89		9.435		73.0	50	150				
Surr: o-Terphenyl	10.7		9.435		113	50	150				

Sample ID: 2107232-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/15/2021	RunNo: 68608				
Client ID: Art-N05-W17-156	Batch ID: 33020					Analysis Date: 7/16/2021	SeqNo: 1386527				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	551	157	524.4	0	105	59.6	134	505.4	8.56	30	
Surr: 2-Fluorobiphenyl	9.29		10.49		88.6	50	150		0		
Surr: o-Terphenyl	11.9		10.49		113	50	150		0		

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2107232-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/15/2021	RunNo: 68608							
Client ID: Art-N05-W17-156	Batch ID: 33020	Analysis Date: 7/16/2021	SeqNo: 1386527								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2107238-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/15/2021	RunNo: 68608							
Client ID: BATCH	Batch ID: 33020	Analysis Date: 7/16/2021	SeqNo: 1386534								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	58.3						0		30	
Heavy Oil	ND	117						0		30	
Total Petroleum Hydrocarbons	ND	175						0		30	
Surr: 2-Fluorobiphenyl	9.49		11.67		81.3	50	150		0		
Surr: o-Terphenyl	10.5		11.67		89.8	50	150		0		

Work Order: 2107232
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33021	SampType: LCS	Units: mg/Kg			Prep Date: 7/15/2021	RunNo: 68596					
Client ID: LCSS	Batch ID: 33021				Analysis Date: 7/15/2021	SeqNo: 1386182					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	25.9	5.00	25.00	0	104	65	135				
Surr: Toluene-d8	1.25		1.250		100	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		99.9	65	135				

Sample ID: MB-33021	SampType: MBLK	Units: mg/Kg			Prep Date: 7/15/2021	RunNo: 68596					
Client ID: MBLKS	Batch ID: 33021				Analysis Date: 7/15/2021	SeqNo: 1386183					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.23		1.250		98.8	65	135				
Surr: 4-Bromofluorobenzene	1.09		1.250		86.9	65	135				

Sample ID: 2107232-004BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/15/2021	RunNo: 68596					
Client ID: Art-N13-W20-156	Batch ID: 33021				Analysis Date: 7/16/2021	SeqNo: 1386177					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.48						0		30	
Surr: Toluene-d8	1.10		1.120		98.3	65	135		0		
Surr: 4-Bromofluorobenzene	0.979		1.120		87.4	65	135		0		

Sample ID: 2107232-006BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 7/15/2021	RunNo: 68596					
Client ID: Art-N02-W22-158	Batch ID: 33021				Analysis Date: 7/16/2021	SeqNo: 1386387					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	18.9	4.28	21.39	0	88.1	65	135				
Surr: Toluene-d8	1.07		1.070		100	65	135				
Surr: 4-Bromofluorobenzene	1.08		1.070		101	65	135				

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33021	SampType: LCS	Units: mg/Kg				Prep Date: 7/15/2021	RunNo: 68595				
Client ID: LCSS	Batch ID: 33021					Analysis Date: 7/15/2021	SeqNo: 1386171				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.836	0.0500	1.000	0	83.6	80	120				
Chloromethane	0.905	0.0800	1.000	0	90.5	80	120				
Vinyl chloride	0.898	0.0250	1.000	0	89.8	80	120				
Bromomethane	0.889	0.150	1.000	0	88.9	80	120				
Trichlorofluoromethane (CFC-11)	0.907	0.0500	1.000	0	90.7	80	120				
Chloroethane	0.877	0.120	1.000	0	87.7	80	120				
1,1-Dichloroethene	0.908	0.100	1.000	0	90.8	80	120				
Acetone	2.32	0.500	2.500	0	92.9	80	120				
Methylene chloride	0.907	0.0150	1.000	0	90.7	80	120				
trans-1,2-Dichloroethene	0.907	0.0300	1.000	0	90.7	80	120				
Methyl tert-butyl ether (MTBE)	0.986	0.0300	1.000	0	98.6	80	120				
1,1-Dichloroethane	0.917	0.0250	1.000	0	91.7	80	120				
cis-1,2-Dichloroethene	0.904	0.0250	1.000	0	90.4	80	120				
(MEK) 2-Butanone	2.30	0.450	2.500	0	92.0	80	120				
Chloroform	0.906	0.0250	1.000	0	90.6	80	120				
1,1,1-Trichloroethane (TCA)	0.936	0.0250	1.000	0	93.6	80	120				
1,1-Dichloropropene	0.929	0.0250	1.000	0	92.9	80	120				
Carbon tetrachloride	0.936	0.0750	1.000	0	93.6	80	120				
1,2-Dichloroethane (EDC)	0.912	0.0230	1.000	0	91.2	80	120				
Benzene	0.928	0.0200	1.000	0	92.8	80	120				
Trichloroethene (TCE)	0.927	0.0200	1.000	0	92.7	80	120				
1,2-Dichloropropane	0.919	0.0200	1.000	0	91.9	80	120				
Bromodichloromethane	0.914	0.0250	1.000	0	91.4	80	120				
Dibromomethane	0.897	0.0200	1.000	0	89.7	80	120				
cis-1,3-Dichloropropene	0.911	0.0800	1.000	0	91.1	80	120				
Toluene	0.936	0.0300	1.000	0	93.6	80	120				
Trans-1,3-Dichloropropylene	0.911	0.0500	1.000	0	91.1	80	120				
Methyl Isobutyl Ketone (MIBK)	2.27	0.0750	2.500	0	90.8	80	120				
1,1,2-Trichloroethane	0.919	0.0170	1.000	0	91.9	80	120				
1,3-Dichloropropane	0.918	0.0200	1.000	0	91.8	80	120				

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33021	SampType: LCS	Units: mg/Kg	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: LCSS	Batch ID: 33021		Analysis Date: 7/15/2021	SeqNo: 1386171							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.950	0.0400	1.000	0	95.0	80	120				
Dibromochloromethane	0.907	0.0200	1.000	0	90.7	80	120				
1,2-Dibromoethane (EDB)	0.917	0.0100	1.000	0	91.7	80	120				
2-Hexanone (MBK)	2.32	0.0600	2.500	0	93.0	80	120				
Chlorobenzene	0.940	0.0250	1.000	0	94.0	80	120				
1,1,1,2-Tetrachloroethane	0.949	0.0200	1.000	0	94.9	80	120				
Ethylbenzene	0.954	0.0250	1.000	0	95.4	80	120				
m,p-Xylene	1.90	0.0500	2.000	0	94.9	80	120				
o-Xylene	0.940	0.0250	1.000	0	94.0	80	120				
Styrene	0.936	0.0250	1.000	0	93.6	80	120				
Isopropylbenzene	0.954	0.0300	1.000	0	95.4	80	120				
Bromoform	0.934	0.0250	1.000	0	93.4	80	120				
1,1,2,2-Tetrachloroethane	0.947	0.0150	1.000	0	94.7	80	120				
n-Propylbenzene	0.952	0.0300	1.000	0	95.2	80	120				
Bromobenzene	0.945	0.0300	1.000	0	94.5	80	120				
1,3,5-Trimethylbenzene	0.943	0.0250	1.000	0	94.3	80	120				
2-Chlorotoluene	0.933	0.0300	1.000	0	93.3	80	120				
4-Chlorotoluene	0.940	0.0300	1.000	0	94.0	80	120				
tert-Butylbenzene	0.935	0.0300	1.000	0	93.5	80	120				
1,2,3-Trichloropropane	0.931	0.0250	1.000	0	93.1	80	120				
1,2,4-Trichlorobenzene	0.975	0.0400	1.000	0	97.5	80	120				
sec-Butylbenzene	0.953	0.0300	1.000	0	95.3	80	120				
4-Isopropyltoluene	0.946	0.0300	1.000	0	94.6	80	120				
1,3-Dichlorobenzene	0.969	0.0350	1.000	0	96.9	80	120				
1,4-Dichlorobenzene	0.973	0.0300	1.000	0	97.3	80	120				
n-Butylbenzene	0.985	0.0400	1.000	0	98.5	80	120				
1,2-Dichlorobenzene	0.964	0.0300	1.000	0	96.4	80	120				
1,2-Dibromo-3-chloropropane	1.03	0.0600	1.000	0	103	80	120				
1,2,4-Trimethylbenzene	0.941	0.0250	1.000	0	94.1	80	120				
Hexachloro-1,3-butadiene	0.983	0.0500	1.000	0	98.3	80	120				

Work Order: 2107232
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33021	SampType: LCS	Units: mg/Kg	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: LCSS	Batch ID: 33021		Analysis Date: 7/15/2021	SeqNo: 1386171							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.941	0.100	1.000	0	94.1	80	120				
1,2,3-Trichlorobenzene	0.986	0.0500	1.000	0	98.6	80	120				
Surr: Dibromofluoromethane	1.26		1.250		101	80	120				
Surr: Toluene-d8	1.27		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.36		1.250		109	80	120				

Sample ID: MB-33021	SampType: MBLK	Units: mg/Kg	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: MBLKS	Batch ID: 33021		Analysis Date: 7/15/2021	SeqNo: 1386170							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									

Work Order: 2107232
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-33021	SampType: MBLK	Units: mg/Kg	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: MBLKS	Batch ID: 33021		Analysis Date: 7/15/2021	SeqNo: 1386170							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									
1,2,3-Trichloropropane	ND	0.0250									

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-33021	SampType: MBLK	Units: mg/Kg	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: MBLKS	Batch ID: 33021		Analysis Date: 7/15/2021	SeqNo: 1386170							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.18		1.250		94.6	80	120				
Surr: Toluene-d8	1.21		1.250		97.0	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.14		1.250		91.1	80	120				

Sample ID: 2107232-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: Art-N13-W20-156	Batch ID: 33021		Analysis Date: 7/16/2021	SeqNo: 1386165							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0448						0		30	
Chloromethane	ND	0.0717						0		30	
Vinyl chloride	ND	0.0224						0		30	
Bromomethane	ND	0.134						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0448						0		30	
Chloroethane	ND	0.108						0		30	
1,1-Dichloroethene	ND	0.0896						0		30	
Acetone	ND	0.448						0		30	
Methylene chloride	ND	0.0134						0		30	
trans-1,2-Dichloroethene	ND	0.0269						0		30	

Work Order: 2107232
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107232-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: Art-N13-W20-156	Batch ID: 33021		Analysis Date: 7/16/2021	SeqNo: 1386165							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether (MTBE)	ND	0.0269						0		30	
1,1-Dichloroethane	ND	0.0224						0		30	
cis-1,2-Dichloroethene	ND	0.0224						0		30	
(MEK) 2-Butanone	ND	0.403						0		30	
Chloroform	ND	0.0224						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0224						0		30	
1,1-Dichloropropene	ND	0.0224						0		30	
Carbon tetrachloride	ND	0.0672						0		30	
1,2-Dichloroethane (EDC)	ND	0.0206						0		30	
Benzene	ND	0.0179						0		30	
Trichloroethene (TCE)	ND	0.0179						0		30	
1,2-Dichloropropane	ND	0.0179						0		30	
Bromodichloromethane	ND	0.0224						0		30	
Dibromomethane	ND	0.0179						0		30	
cis-1,3-Dichloropropene	ND	0.0717						0		30	
Toluene	ND	0.0269						0		30	
Trans-1,3-Dichloropropylene	ND	0.0448						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0672						0		30	
1,1,2-Trichloroethane	ND	0.0152						0		30	
1,3-Dichloropropane	ND	0.0179						0		30	
Tetrachloroethene (PCE)	ND	0.0358						0		30	
Dibromochloromethane	ND	0.0179						0		30	
1,2-Dibromoethane (EDB)	ND	0.00896						0		30	
2-Hexanone (MBK)	ND	0.0538						0		30	
Chlorobenzene	ND	0.0224						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0179						0		30	
Ethylbenzene	ND	0.0224						0		30	
m,p-Xylene	ND	0.0448						0		30	
o-Xylene	ND	0.0224						0		30	
Styrene	ND	0.0224						0		30	

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107232-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: Art-N13-W20-156	Batch ID: 33021		Analysis Date: 7/16/2021	SeqNo: 1386165							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Isopropylbenzene	ND	0.0269						0		30	
Bromoform	ND	0.0224						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0134						0		30	
n-Propylbenzene	ND	0.0269						0		30	
Bromobenzene	ND	0.0269						0		30	
1,3,5-Trimethylbenzene	ND	0.0224						0		30	
2-Chlorotoluene	ND	0.0269						0		30	
4-Chlorotoluene	ND	0.0269						0		30	
tert-Butylbenzene	ND	0.0269						0		30	
1,2,3-Trichloropropane	ND	0.0224						0		30	
1,2,4-Trichlorobenzene	ND	0.0358						0		30	
sec-Butylbenzene	ND	0.0269						0		30	
4-Isopropyltoluene	ND	0.0269						0		30	
1,3-Dichlorobenzene	ND	0.0314						0		30	
1,4-Dichlorobenzene	ND	0.0269						0		30	
n-Butylbenzene	ND	0.0358						0		30	
1,2-Dichlorobenzene	ND	0.0269						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0538						0		30	
1,2,4-Trimethylbenzene	ND	0.0224						0		30	
Hexachloro-1,3-butadiene	ND	0.0448						0		30	
Naphthalene	ND	0.0896						0		30	
1,2,3-Trichlorobenzene	ND	0.0448						0		30	
Surr: Dibromofluoromethane	1.05		1.120		93.9	80	120		0		
Surr: Toluene-d8	1.08		1.120		96.2	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.03		1.120		91.7	80	120		0		

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107232-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: Art-N09-W20-156	Batch ID: 33021		Analysis Date: 7/16/2021	SeqNo: 1386185							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.304	0.0373	0.7462	0	40.8	5	173				
Chloromethane	0.442	0.0597	0.7462	0	59.2	39.5	138				
Vinyl chloride	0.531	0.0187	0.7462	0	71.2	41.9	145				
Bromomethane	0.689	0.112	0.7462	0	92.3	63.4	160				
Trichlorofluoromethane (CFC-11)	0.602	0.0373	0.7462	0	80.6	32.4	158				
Chloroethane	0.548	0.0895	0.7462	0	73.4	40.1	160				
1,1-Dichloroethene	0.644	0.0746	0.7462	0	86.3	62.1	135				
Acetone	1.99	0.373	1.865	0	107	45.8	168				
Methylene chloride	0.686	0.0112	0.7462	0	91.9	65.6	137				
trans-1,2-Dichloroethene	0.680	0.0224	0.7462	0	91.1	65.4	137				
Methyl tert-butyl ether (MTBE)	0.801	0.0224	0.7462	0	107	48.1	157				
1,1-Dichloroethane	0.695	0.0187	0.7462	0	93.2	61.9	142				
cis-1,2-Dichloroethene	0.695	0.0187	0.7462	0	93.2	81.9	124				
(MEK) 2-Butanone	1.81	0.336	1.865	0	97.1	56	144				
Chloroform	0.707	0.0187	0.7462	0	94.8	79.3	127				
1,1,1-Trichloroethane (TCA)	0.704	0.0187	0.7462	0	94.4	80	121				
1,1-Dichloropropene	0.707	0.0187	0.7462	0	94.8	76.4	127				
Carbon tetrachloride	0.698	0.0560	0.7462	0	93.5	68.6	130				
1,2-Dichloroethane (EDC)	0.724	0.0172	0.7462	0	97.1	70.1	137				
Benzene	0.722	0.0149	0.7462	0	96.8	80	123				
Trichloroethene (TCE)	0.775	0.0149	0.7462	0	104	79	130				
1,2-Dichloropropane	0.729	0.0149	0.7462	0	97.8	80	121				
Bromodichloromethane	0.732	0.0187	0.7462	0	98.1	72.8	124				
Dibromomethane	0.727	0.0149	0.7462	0	97.4	77.2	122				
cis-1,3-Dichloropropene	0.697	0.0597	0.7462	0	93.4	75.1	121				
Toluene	0.731	0.0224	0.7462	0	97.9	80	125				
Trans-1,3-Dichloropropylene	0.722	0.0373	0.7462	0	96.8	73.9	122				
Methyl Isobutyl Ketone (MIBK)	1.95	0.0560	1.865	0	105	47.1	154				
1,1,2-Trichloroethane	0.771	0.0127	0.7462	0	103	76.2	123				
1,3-Dichloropropane	0.749	0.0149	0.7462	0	100	67.2	131				

Work Order: 2107232
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107232-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: Art-N09-W20-156	Batch ID: 33021		Analysis Date: 7/16/2021	SeqNo: 1386185							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.738	0.0298	0.7462	0	98.9	77.2	128				
Dibromochloromethane	0.754	0.0149	0.7462	0	101	63.3	129				
1,2-Dibromoethane (EDB)	0.749	0.00746	0.7462	0	100	75.1	124				
2-Hexanone (MBK)	2.00	0.0448	1.865	0	107	40.5	170				
Chlorobenzene	0.753	0.0187	0.7462	0	101	80	120				
1,1,1,2-Tetrachloroethane	0.777	0.0149	0.7462	0	104	80	120				
Ethylbenzene	0.742	0.0187	0.7462	0	99.4	80	133				
m,p-Xylene	1.48	0.0373	1.492	0	99.1	80	129				
o-Xylene	0.736	0.0187	0.7462	0	98.6	73.4	131				
Styrene	0.739	0.0187	0.7462	0	99.0	77.4	125				
Isopropylbenzene	0.733	0.0224	0.7462	0	98.3	76.7	132				
Bromoform	0.780	0.0187	0.7462	0	105	69.7	127				
1,1,1,2,2-Tetrachloroethane	0.716	0.0112	0.7462	0	96.0	62.8	132				
n-Propylbenzene	0.737	0.0224	0.7462	0	98.7	77.2	134				
Bromobenzene	0.751	0.0224	0.7462	0	101	77.2	125				
1,3,5-Trimethylbenzene	0.733	0.0187	0.7462	0	98.2	79.8	125				
2-Chlorotoluene	0.736	0.0224	0.7462	0	98.6	78.3	127				
4-Chlorotoluene	0.741	0.0224	0.7462	0	99.3	79.9	123				
tert-Butylbenzene	0.720	0.0224	0.7462	0	96.5	74.7	132				
1,2,3-Trichloropropane	0.756	0.0187	0.7462	0	101	65.9	128				
1,2,4-Trichlorobenzene	0.769	0.0298	0.7462	0	103	78.5	129				
sec-Butylbenzene	0.729	0.0224	0.7462	0	97.6	73.8	135				
4-Isopropyltoluene	0.728	0.0224	0.7462	0	97.5	73.9	134				
1,3-Dichlorobenzene	0.752	0.0261	0.7462	0	101	80	123				
1,4-Dichlorobenzene	0.750	0.0224	0.7462	0	100	80	122				
n-Butylbenzene	0.723	0.0298	0.7462	0	96.9	80	130				
1,2-Dichlorobenzene	0.767	0.0224	0.7462	0	103	80	120				
1,2-Dibromo-3-chloropropane	0.818	0.0448	0.7462	0	110	66.1	131				
1,2,4-Trimethylbenzene	0.739	0.0187	0.7462	0	99.0	80	124				
Hexachloro-1,3-butadiene	0.722	0.0373	0.7462	0	96.8	70.9	135				

Work Order: 2107232
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107232-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/15/2021	RunNo: 68595							
Client ID: Art-N09-W20-156	Batch ID: 33021		Analysis Date: 7/16/2021	SeqNo: 1386185							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.779	0.0746	0.7462	0	104	53.8	164				
1,2,3-Trichlorobenzene	0.796	0.0373	0.7462	0	107	75.8	131				
Surr: Dibromofluoromethane	0.922		0.9327		98.9	80	120				
Surr: Toluene-d8	0.945		0.9327		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.01		0.9327		109	80	120				

Client Name: **AC**

 Work Order Number: **2107232**

 Logged by: **Clare Griggs**

 Date Received: **7/15/2021 2:10:12 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Picked up by FAI

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	3.5

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 7/15/21 Page: 1 of 1

Project Name: Schmitzer Artists

Project No: 190298

Collected by: Dave Bibeck

Location:

Report To (PM): Meileni Lanier-Kamheid

PM Email: mlk@fremontanalytical.com

Laboratory Project No (Internal): 2107232

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes													Comments
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (Cl)**	EDB (801.1)	ROCKS	
1 Art-N05-W17-156	7/15/21	0800	Soil	3	X	X	X	X	X	X	X	X	X	X	X	X		
2 Art-N07-W14-156		0805			X	X	X	X	X	X	X	X	X	X	X	X		
3 Art-N11-W17-156		0815			X	X	X	X	X	X	X	X	X	X	X	X		
4 Art-N13-W20-156		0820			X	X	X	X	X	X	X	X	X	X	X	X		
5 Art-N09-W20-156		0840			X	X	X	X	X	X	X	X	X	X	X	X		
6 Art-W02-W22-158		0830			X	X	X	X	X	X	X	X	X	X	X	X		
7 Art-TB-02		0730	A	1	X	X	X	X	X	X	X	X	X	X	X	X		
8																		
9																		
10																		

Turn-around Time:

- Standard Next Day
- 3 Day Same Day
- 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Metals (Circle): MTCA-5 RICA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Dave Bibeck	7/15/21	<i>[Signature]</i>	Meileni Lanier-Kamheid	7/15/21
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Dave Bibeck	7/15/21	<i>[Signature]</i>	Meileni Lanier-Kamheid	7/15/21

SAMPLE RECEIVING. Laboratory hours are from 8:00am to 6:00pm – Monday through Friday. Turn-around times for samples received after 4:00pm begin on the following business day.

TURN-AROUND TIMES. Standard turn-around is 5 business days from the date of sample receipt for most analyses. For many analyses we offer expedited turn-around times, including:

- 3 Day (50% surcharge) • 2 Day (75% surcharge) • Next Day (100% surcharge) • Same Day – Call for availability and pricing

Expedited turn-around and/or specific data delivery requirements should be coordinated in advance. Samples received near the end of their holding time may incur an expedited analysis surcharge whether or not expedited report delivery is requested.

SAMPLE DISPOSAL. Fremont Analytical, Inc. (FAI) archives samples for 30 days after issuing the analytical report or after receiving Client instructions to suspend or terminate the project. After 30 days, FAI disposes of all sample volume in accordance with all governing regulations and laboratory best practices. Clients wishing to reclaim sample volume must request storage beyond the standard 30 days or arrange to retrieve the volume before the scheduled disposal. A \$5.00 fee per sample accrues monthly for storage requested beyond 30 days. FAI reserves the right to charge a disposal fee (not to exceed \$25.00/sample) for samples requiring special packaging and labeling as Hazardous Materials. "Hazardous Materials" include, but are not limited to, substances of any kind that are potentially poisonous, toxic, radioactive, explosive, or flammable, that contain biohazards or high levels of trace metals, or that pose any risk to persons or the environment through handling or disposal.

PAYMENT. All invoices are sent directly to the client contact provided. For clients with approved credit, payment terms are net 30 days from the date of the invoice. All overdue balances are subject to a 1.5% interest and service charge per month from the due date of the invoice. Third party billing will not be approved without a signed statement from the named party that acknowledges and accepts payment responsibility. In the event that payment is not received within 60 days of the invoice date, FAI may, at its option, terminate all duties without liability to the Client or others. All data produced by FAI is the property of FAI until all associated costs are paid. Clients suspending or terminating a project may be charged for services already performed whether or not analytical data is available or provided.

CONFIDENTIALITY. FAI maintains the confidentiality of all Client data. No information regarding clients' names, sites, projects, or data will be released without direct, written authorization from the Project Manager designated on this COC Record or other authorized representative of the client company. All data and reports provided to the Client by FAI are specifically for the use of the Client. Reports are intended to be considered in their entirety. FAI is not responsible for the use or misuse of any portion of data or a report by the Client or third parties.

COMPLETE AGREEMENT, MODIFICATION, WAIVER, ENFORCEABILITY. This Agreement, including the parts incorporated herein by reference, is the complete agreement of the parties with regard to services of FAI. No modification or amendment to this Agreement shall be valid unless in writing and signed by an authorized representative of each party. This Agreement is binding on each party's heirs, successors, and assigns. If any provision of this Agreement is held invalid, illegal, or unenforceable, then the remaining provisions shall remain in effect and may be reformed and enforced by the court. Failure to require performance of any term of this Agreement shall not be deemed a waiver of the right to enforce any term of this Agreement.

JURISDICTION AND VENUE. This Agreement shall be interpreted according to the laws of the State of Washington. FAI and Client agree to submit to the jurisdiction and venue of state and federal courts in Seattle, Washington.

LIMITED WARRANTY. FAI warrants only that it will perform services using analytical methodologies with published test methods according to industry standards. If circumstances require analytic practices for which standards do not exist, FAI warrants only that its services will be in accordance with standard scientific procedures and good laboratory practices. FAI MAKES NO OTHER WARRANTIES AND DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES. FAI MAKES NO REPRESENTATIONS OR WARRANTIES REGARDING THE FITNESS OF THE DATA IN ITS REPORTS FOR ANY PARTICULAR USE OR PURPOSE.

LIMITATIONS ON FAI'S LIABILITY. FAI shall not be liable to Client for any of the following types of damages or losses arising out of this Agreement: incidental damages, indirect damages, consequential damages, lost profits, or tort damages. CLIENT'S SOLE REMEDY SHALL BE A REFUND OF THE APPLICABLE PAYMENT TO FAI. FAI SHALL HAVE NO LIABILITY OR OBLIGATIONS EXCEPT AS STATED HEREIN.

TIME LIMITATIONS ON ACTIONS AGAINST FAI. No legal action arising out of any service provided by FAI under this Agreement may be brought against FAI more than one year after FAI has performed the service that is the subject of the legal action, regardless of whether the parties have agreed to arbitration. For the purposes of this Agreement, each Chain of Custody Record and Laboratory Services Agreement form submitted constitutes a unique set of services.

NOTICES. Client(s) shall inspect completed data packages and notify FAI of any defects or nonconformity within thirty (30) days of receipt. Remittance of payment for services or failure to provide timely notification of defects shall be considered acceptance of such services, except as to latent defects which reasonable and timely examination would not have revealed.



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artiste

Work Order Number: 2107286

July 20, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 4 sample(s) on 7/19/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Aspect Consulting
Project: Schnitzer Artiste
Work Order: 2107286

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107286-001	Art-W22-W12-147	07/19/2021 8:20 AM	07/19/2021 1:57 PM
2107286-002	Art-N02-W13-147	07/19/2021 8:30 AM	07/19/2021 1:57 PM
2107286-003	Art-W23-W10-147	07/19/2021 8:40 AM	07/19/2021 1:57 PM
2107286-004	Art-N04-W11-147	07/19/2021 8:50 AM	07/19/2021 1:57 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107286-001

Collection Date: 7/19/2021 8:20:00 AM

Client Sample ID: Art-W22-W12-147

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33051		Analyst: KT
Gasoline	ND	4.14		mg/Kg-dry	1	7/19/2021 11:16:09 PM
Surr: Toluene-d8	98.0	65 - 135		%Rec	1	7/19/2021 11:16:09 PM
Surr: 4-Bromofluorobenzene	87.1	65 - 135		%Rec	1	7/19/2021 11:16:09 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68662		Analyst: cb
Percent Moisture	6.97	0.500		wt%	1	7/19/2021 5:05:13 PM

Lab ID: 2107286-002

Collection Date: 7/19/2021 8:30:00 AM

Client Sample ID: Art-N02-W13-147

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33051		Analyst: KT
Gasoline	ND	4.03		mg/Kg-dry	1	7/20/2021 12:16:26 AM
Surr: Toluene-d8	98.9	65 - 135		%Rec	1	7/20/2021 12:16:26 AM
Surr: 4-Bromofluorobenzene	86.7	65 - 135		%Rec	1	7/20/2021 12:16:26 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68662		Analyst: cb
Percent Moisture	14.8	0.500		wt%	1	7/19/2021 5:05:13 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107286-003

Collection Date: 7/19/2021 8:40:00 AM

Client Sample ID: Art-W23-W10-147

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33051		Analyst: KT
Gasoline	ND	4.12		mg/Kg-dry	1	7/20/2021 12:46:32 AM
Surr: Toluene-d8	98.1	65 - 135		%Rec	1	7/20/2021 12:46:32 AM
Surr: 4-Bromofluorobenzene	85.9	65 - 135		%Rec	1	7/20/2021 12:46:32 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68662		Analyst: cb
Percent Moisture	8.75	0.500		wt%	1	7/19/2021 5:05:13 PM

Lab ID: 2107286-004

Collection Date: 7/19/2021 8:50:00 AM

Client Sample ID: Art-N04-W11-147

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33051		Analyst: KT
Gasoline	ND	3.76		mg/Kg-dry	1	7/20/2021 1:16:39 AM
Surr: Toluene-d8	98.6	65 - 135		%Rec	1	7/20/2021 1:16:39 AM
Surr: 4-Bromofluorobenzene	86.0	65 - 135		%Rec	1	7/20/2021 1:16:39 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68662		Analyst: cb
Percent Moisture	11.4	0.500		wt%	1	7/19/2021 5:05:13 PM

Work Order: 2107286
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33051	SampType: LCS	Units: mg/Kg	Prep Date: 7/19/2021	RunNo: 68664							
Client ID: LCSS	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387932							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	25.3	5.00	25.00	0	101	65	135				
Surr: Toluene-d8	1.27		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.23		1.250		98.1	65	135				

Sample ID: MB-33051	SampType: MBLK	Units: mg/Kg	Prep Date: 7/19/2021	RunNo: 68664							
Client ID: MBLKS	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387933							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.24		1.250		98.9	65	135				
Surr: 4-Bromofluorobenzene	1.10		1.250		87.8	65	135				

Sample ID: 2107197-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/19/2021	RunNo: 68664							
Client ID: BATCH	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387913							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	7.46						0		30	
Surr: Toluene-d8	1.84		1.866		98.6	65	135		0		
Surr: 4-Bromofluorobenzene	1.63		1.866		87.2	65	135		0		

Sample ID: 2107286-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/19/2021	RunNo: 68664							
Client ID: Art-W22-W12-147	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387920							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.14						0		30	
Surr: Toluene-d8	1.02		1.035		99.0	65	135		0		
Surr: 4-Bromofluorobenzene	0.898		1.035		86.8	65	135		0		

Work Order: 2107286
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2107286-002BMS	SampType: MS	Units: mg/Kg-dry		Prep Date: 7/19/2021	RunNo: 68664						
Client ID: Art-N02-W13-147	Batch ID: 33051			Analysis Date: 7/20/2021	SeqNo: 1387922						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	17.1	4.03	20.17	0	84.9	65	135				
Surr: Toluene-d8	1.00		1.008		99.4	65	135				
Surr: 4-Bromofluorobenzene	0.997		1.008		98.9	65	135				

Client Name: **AC**

 Work Order Number: **2107286**

 Logged by: **Brianna Barnes**

 Date Received: **7/19/2021 1:57:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Picked up by FAI

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artiste

Work Order Number: 2107339

July 22, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 3 sample(s) on 7/22/2021 for the analyses presented in the following report.

***Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager



Date: 07/22/2021

CLIENT: Aspect Consulting
Project: Schnitzer Artiste
Work Order: 2107339

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107339-001	Art-N17-W14-156	07/22/2021 7:25 AM	07/22/2021 9:06 AM
2107339-002	Art-N12-W25-158	07/22/2021 7:40 AM	07/22/2021 9:06 AM
2107339-003	Art-N11-W24-158	07/22/2021 8:50 AM	07/22/2021 9:06 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107339-001

Collection Date: 7/22/2021 7:25:00 AM

Client Sample ID: Art-N17-W14-156

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33087	Analyst: MM
Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	7/22/2021 12:35:54 PM
Heavy Oil	ND	102		mg/Kg-dry	1	7/22/2021 12:35:54 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	7/22/2021 12:35:54 PM
Surr: 2-Fluorobiphenyl	102	50 - 150		%Rec	1	7/22/2021 12:35:54 PM
Surr: o-Terphenyl	107	50 - 150		%Rec	1	7/22/2021 12:35:54 PM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68740	Analyst: cb
Percent Moisture	7.96	0.500		wt%	1	7/22/2021 10:18:17 AM

Lab ID: 2107339-002

Collection Date: 7/22/2021 7:40:00 AM

Client Sample ID: Art-N12-W25-158

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33087	Analyst: MM
Diesel (Fuel Oil)	ND	52.3		mg/Kg-dry	1	7/22/2021 1:01:38 PM
Heavy Oil	ND	105		mg/Kg-dry	1	7/22/2021 1:01:38 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	7/22/2021 1:01:38 PM
Surr: 2-Fluorobiphenyl	94.8	50 - 150		%Rec	1	7/22/2021 1:01:38 PM
Surr: o-Terphenyl	98.3	50 - 150		%Rec	1	7/22/2021 1:01:38 PM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68740	Analyst: cb
Percent Moisture	9.48	0.500		wt%	1	7/22/2021 10:18:17 AM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107339-003

Collection Date: 7/22/2021 8:50:00 AM

Client Sample ID: Art-N11-W24-158

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33087		Analyst: MM
Diesel (Fuel Oil)	ND	51.9		mg/Kg-dry	1	7/22/2021 1:27:20 PM
Heavy Oil	ND	104		mg/Kg-dry	1	7/22/2021 1:27:20 PM
Total Petroleum Hydrocarbons	ND	156		mg/Kg-dry	1	7/22/2021 1:27:20 PM
Surr: 2-Fluorobiphenyl	95.0	50 - 150		%Rec	1	7/22/2021 1:27:20 PM
Surr: o-Terphenyl	99.6	50 - 150		%Rec	1	7/22/2021 1:27:20 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68740		Analyst: cb
Percent Moisture	8.89	0.500		wt%	1	7/22/2021 10:18:17 AM

Work Order: 2107339
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33087	SampType: MBLK	Units: mg/Kg				Prep Date: 7/22/2021	RunNo: 68752				
Client ID: MBLKS	Batch ID: 33087					Analysis Date: 7/22/2021	SeqNo: 1390206				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	7.40		10.00		74.0	50	150				
Surr: o-Terphenyl	8.56		10.00		85.6	50	150				

Sample ID: LCS-33087	SampType: LCS	Units: mg/Kg				Prep Date: 7/22/2021	RunNo: 68752				
Client ID: LCSS	Batch ID: 33087					Analysis Date: 7/22/2021	SeqNo: 1390207				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	576	150	500.0	0	115	77.2	122				
Surr: 2-Fluorobiphenyl	10.0		10.00		100	50	150				
Surr: o-Terphenyl	13.1		10.00		131	50	150				

Sample ID: 2107339-003AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/22/2021	RunNo: 68752				
Client ID: Art-N11-W24-158	Batch ID: 33087					Analysis Date: 7/22/2021	SeqNo: 1390212				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	610	162	541.2	81.36	97.8	68	132				
Surr: 2-Fluorobiphenyl	9.78		10.82		90.4	50	150				
Surr: o-Terphenyl	12.3		10.82		114	50	150				

Sample ID: 2107339-003AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/22/2021	RunNo: 68752				
Client ID: Art-N11-W24-158	Batch ID: 33087					Analysis Date: 7/22/2021	SeqNo: 1390213				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	529	158	525.1	81.36	85.3	68	132	610.4	14.3	30	
Surr: 2-Fluorobiphenyl	7.36		10.50		70.1	50	150		0		
Surr: o-Terphenyl	9.81		10.50		93.4	50	150		0		



Work Order: 2107339
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2107339-003AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/22/2021	RunNo: 68752							
Client ID: Art-N11-W24-158	Batch ID: 33087	Analysis Date: 7/22/2021	SeqNo: 1390213								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client Name: **AC**

 Work Order Number: **2107339**

 Logged by: **Clare Griggs**

 Date Received: **7/22/2021 9:06:09 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Picked up by FAI

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artiste

Work Order Number: 2107371

July 26, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 2 sample(s) on 7/23/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager



Date: 07/26/2021

CLIENT: Aspect Consulting
Project: Schnitzer Artiste
Work Order: 2107371

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107371-001	Art-N04-W21-156	07/23/2021 2:50 PM	07/23/2021 4:06 PM
2107371-002	Art-N07-W22-156	07/23/2021 2:55 PM	07/23/2021 4:06 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107371-001

Collection Date: 7/23/2021 2:50:00 PM

Client Sample ID: Art-N04-W21-156

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33115		Analyst: MM
Diesel (Fuel Oil)	ND	46.2		mg/Kg-dry	1	7/26/2021 12:46:40 PM
Heavy Oil	ND	92.3		mg/Kg-dry	1	7/26/2021 12:46:40 PM
Total Petroleum Hydrocarbons	ND	138		mg/Kg-dry	1	7/26/2021 12:46:40 PM
Surr: 2-Fluorobiphenyl	91.1	50 - 150		%Rec	1	7/26/2021 12:46:40 PM
Surr: o-Terphenyl	95.5	50 - 150		%Rec	1	7/26/2021 12:46:40 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33114		Analyst: CR
Gasoline	ND	5.98		mg/Kg-dry	1	7/24/2021 6:55:13 AM
Surr: Toluene-d8	97.8	65 - 135		%Rec	1	7/24/2021 6:55:13 AM
Surr: 4-Bromofluorobenzene	92.5	65 - 135		%Rec	1	7/24/2021 6:55:13 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68785		Analyst: ALB
Percent Moisture	4.72	0.500		wt%	1	7/23/2021 3:58:21 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107371-002

Collection Date: 7/23/2021 2:55:00 PM

Client Sample ID: Art-N07-W22-156

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33115		Analyst: MM
Diesel (Fuel Oil)	ND	53.2		mg/Kg-dry	1	7/26/2021 12:59:31 PM
Heavy Oil	ND	106		mg/Kg-dry	1	7/26/2021 12:59:31 PM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	7/26/2021 12:59:31 PM
Surr: 2-Fluorobiphenyl	90.5	50 - 150		%Rec	1	7/26/2021 12:59:31 PM
Surr: o-Terphenyl	95.9	50 - 150		%Rec	1	7/26/2021 12:59:31 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33114		Analyst: CR
Gasoline	ND	3.85		mg/Kg-dry	1	7/24/2021 7:25:22 AM
Surr: Toluene-d8	96.6	65 - 135		%Rec	1	7/24/2021 7:25:22 AM
Surr: 4-Bromofluorobenzene	90.5	65 - 135		%Rec	1	7/24/2021 7:25:22 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68785		Analyst: ALB
Percent Moisture	7.69	0.500		wt%	1	7/23/2021 3:58:21 PM

Work Order: 2107371
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33115	SampType: MBLK	Units: mg/Kg				Prep Date: 7/23/2021	RunNo: 68807				
Client ID: MBLKS	Batch ID: 33115					Analysis Date: 7/26/2021	SeqNo: 1391584				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.94		10.00		99.4	50	150				
Surr: o-Terphenyl	10.6		10.00		106	50	150				

Sample ID: LCS-33115	SampType: LCS	Units: mg/Kg				Prep Date: 7/23/2021	RunNo: 68807				
Client ID: LCSS	Batch ID: 33115					Analysis Date: 7/26/2021	SeqNo: 1391585				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	556	150	500.0	0	111	77.2	122				
Surr: 2-Fluorobiphenyl	10.3		10.00		103	50	150				
Surr: o-Terphenyl	12.5		10.00		125	50	150				

Sample ID: 2107369-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/23/2021	RunNo: 68807				
Client ID: BATCH	Batch ID: 33115					Analysis Date: 7/26/2021	SeqNo: 1391586				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	473	144	480.4	0	98.4	68	132				
Surr: 2-Fluorobiphenyl	8.49		9.608		88.4	50	150				
Surr: o-Terphenyl	10.7		9.608		112	50	150				

Sample ID: 2107369-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/23/2021	RunNo: 68807				
Client ID: BATCH	Batch ID: 33115					Analysis Date: 7/26/2021	SeqNo: 1391587				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	518	155	516.7	0	100	68	132	472.8	9.16	30	
Surr: 2-Fluorobiphenyl	9.05		10.33		87.6	50	150		0		
Surr: o-Terphenyl	11.8		10.33		114	50	150		0		

Work Order: 2107371
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2107369-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/23/2021	RunNo: 68807							
Client ID: BATCH	Batch ID: 33115		Analysis Date: 7/26/2021	SeqNo: 1391587							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2107371
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33114	SampType: LCS	Units: mg/Kg	Prep Date: 7/23/2021	RunNo: 68794							
Client ID: LCSS	Batch ID: 33114		Analysis Date: 7/23/2021	SeqNo: 1391393							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.8	5.00	25.00	0	95.2	65	135				
Surr: Toluene-d8	1.24		1.250		99.6	65	135				
Surr: 4-Bromofluorobenzene	1.27		1.250		101	65	135				

Sample ID: MB-33114	SampType: MBLK	Units: mg/Kg	Prep Date: 7/23/2021	RunNo: 68794							
Client ID: MBLKS	Batch ID: 33114		Analysis Date: 7/23/2021	SeqNo: 1391394							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.20		1.250		95.8	65	135				
Surr: 4-Bromofluorobenzene	1.07		1.250		85.5	65	135				

Sample ID: 2107052-014BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/23/2021	RunNo: 68794							
Client ID: BATCH	Batch ID: 33114		Analysis Date: 7/23/2021	SeqNo: 1391377							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	154	5.06						153.5	0.560	30	EH
Surr: Toluene-d8	1.24		1.264		98.4	65	135		0		H
Surr: 4-Bromofluorobenzene	1.30		1.264		103	65	135		0		H

NOTES:

E - Estimated value. The amount exceeds the linear working range of the instrument.

Sample ID: 2107367-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/23/2021	RunNo: 68794							
Client ID: BATCH	Batch ID: 33114		Analysis Date: 7/24/2021	SeqNo: 1391384							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.21						0		30	
Surr: Toluene-d8	1.27		1.301		97.4	65	135		0		
Surr: 4-Bromofluorobenzene	1.22		1.301		94.0	65	135		0		

Work Order: 2107371
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2107367-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/23/2021	RunNo: 68794							
Client ID: BATCH	Batch ID: 33114	Analysis Date: 7/24/2021	SeqNo: 1391387								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	23.7	5.00	25.02	0	94.9	65	135				
Surr: Toluene-d8	1.25		1.251		100	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.251		102	65	135				

Client Name: AC	Work Order Number: 2107371
Logged by: Gabrielle Coeuille	Date Received: 7/23/2021 4:06:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	2.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 7/23/21 Page: 1 of 1

Project Name: Schmitzer Airsite

Project No: 190298

Collected by: DRB

Location:

Report To (PM):

PM Email: milkenbach@aspeclab.com

Laboratory Project No (Internal): 2107371

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: Aspec Consulting

Address:

City, State, Zip: 316.617.0499

Telephone:

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (HX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1. Art-N04-W21-156	7/23/21	1450	Soil	3		X											
2. Art-N07-W22-156		1455															
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) [Signature] Print Name [Name] Date/Time [Date/Time]
 Relinquished (Signature) [Signature] Print Name [Name] Date/Time [Date/Time]



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artiste

Work Order Number: 2107413

July 28, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 8 sample(s) on 7/27/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager



CLIENT: Aspect Consulting
Project: Schnitzer Artiste
Work Order: 2107413

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107413-001	Art-N16-W24-152	07/27/2021 7:20 AM	07/27/2021 12:10 PM
2107413-002	Art-N14-W22-152	07/27/2021 7:30 AM	07/27/2021 12:10 PM
2107413-003	Art-N18-W21-152	07/27/2021 7:40 AM	07/27/2021 12:10 PM
2107413-004	Art-N16-W18-152	07/27/2021 7:50 AM	07/27/2021 12:10 PM
2107413-005	Art-TB-04	07/27/2021 7:00 AM	07/27/2021 12:10 PM
2107413-006	Art-N04-W12-148	07/27/2021 11:00 AM	07/27/2021 12:10 PM
2107413-007	Art-N06-W12-150	07/27/2021 11:05 AM	07/27/2021 12:10 PM
2107413-008	Art-N03-W14-150	07/27/2021 11:10 AM	07/27/2021 12:10 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107413-001

Collection Date: 7/27/2021 7:20:00 AM

Client Sample ID: Art-N16-W24-152

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33137

Analyst: MM

Diesel (Fuel Oil)	ND	49.6		mg/Kg-dry	1	7/27/2021 8:46:57 PM
Heavy Oil	ND	99.1		mg/Kg-dry	1	7/27/2021 8:46:57 PM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	7/27/2021 8:46:57 PM
Surr: 2-Fluorobiphenyl	80.4	50 - 150		%Rec	1	7/27/2021 8:46:57 PM
Surr: o-Terphenyl	89.1	50 - 150		%Rec	1	7/27/2021 8:46:57 PM

Gasoline by NWTPH-Gx

Batch ID: 33133

Analyst: CR

Gasoline	ND	3.63		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Surr: Toluene-d8	94.5	65 - 135		%Rec	1	7/27/2021 7:20:18 PM
Surr: 4-Bromofluorobenzene	88.9	65 - 135		%Rec	1	7/27/2021 7:20:18 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33133

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0363		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Chloromethane	ND	0.0582		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Vinyl chloride	ND	0.0182		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Bromomethane	ND	0.109		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Trichlorofluoromethane (CFC-11)	ND	0.0363		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Chloroethane	ND	0.0872		mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,1-Dichloroethene	ND	0.0727		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Acetone	ND	0.363		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Methylene chloride	ND	0.0109		mg/Kg-dry	1	7/27/2021 7:20:18 PM
trans-1,2-Dichloroethene	ND	0.0218		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Methyl tert-butyl ether (MTBE)	ND	0.0218		mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,1-Dichloroethane	ND	0.0182		mg/Kg-dry	1	7/27/2021 7:20:18 PM
cis-1,2-Dichloroethene	ND	0.0182		mg/Kg-dry	1	7/27/2021 7:20:18 PM
(MEK) 2-Butanone	ND	0.327		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Chloroform	ND	0.0182		mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,1,1-Trichloroethane (TCA)	ND	0.0182		mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,1-Dichloropropene	ND	0.0182		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Carbon tetrachloride	ND	0.0545		mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,2-Dichloroethane (EDC)	ND	0.0167		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Benzene	ND	0.0145		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Trichloroethene (TCE)	ND	0.0145		mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,2-Dichloropropane	ND	0.0145		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Bromodichloromethane	ND	0.0182		mg/Kg-dry	1	7/27/2021 7:20:18 PM
Dibromomethane	ND	0.0145		mg/Kg-dry	1	7/27/2021 7:20:18 PM



CLIENT: Aspect Consulting

Project: Schnitzer Artiste

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33133

Analyst: CR

cis-1,3-Dichloropropene	ND	0.0582	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Toluene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Trans-1,3-Dichloropropylene	ND	0.0363	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0545	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,1,2-Trichloroethane	ND	0.0124	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,3-Dichloropropane	ND	0.0145	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Tetrachloroethene (PCE)	ND	0.0291	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Dibromochloromethane	ND	0.0145	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,2-Dibromoethane (EDB)	ND	0.00727	mg/Kg-dry	1	7/27/2021 7:20:18 PM
2-Hexanone (MBK)	ND	0.0436	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Chlorobenzene	ND	0.0182	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,1,1,2-Tetrachloroethane	ND	0.0145	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Ethylbenzene	ND	0.0182	mg/Kg-dry	1	7/27/2021 7:20:18 PM
m,p-Xylene	ND	0.0363	mg/Kg-dry	1	7/27/2021 7:20:18 PM
o-Xylene	ND	0.0182	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Styrene	ND	0.0182	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Isopropylbenzene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Bromoform	ND	0.0182	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,1,2,2-Tetrachloroethane	ND	0.0109	mg/Kg-dry	1	7/27/2021 7:20:18 PM
n-Propylbenzene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Bromobenzene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,3,5-Trimethylbenzene	ND	0.0182	mg/Kg-dry	1	7/27/2021 7:20:18 PM
2-Chlorotoluene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
4-Chlorotoluene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
tert-Butylbenzene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,2,3-Trichloropropane	ND	0.0182	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,2,4-Trichlorobenzene	ND	0.0291	mg/Kg-dry	1	7/27/2021 7:20:18 PM
sec-Butylbenzene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
4-Isopropyltoluene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,3-Dichlorobenzene	ND	0.0254	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,4-Dichlorobenzene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
n-Butylbenzene	ND	0.0291	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,2-Dichlorobenzene	ND	0.0218	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,2-Dibromo-3-chloropropane	ND	0.0436	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,2,4-Trimethylbenzene	ND	0.0182	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Hexachloro-1,3-butadiene	ND	0.0363	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Naphthalene	ND	0.0727	mg/Kg-dry	1	7/27/2021 7:20:18 PM
1,2,3-Trichlorobenzene	ND	0.0363	mg/Kg-dry	1	7/27/2021 7:20:18 PM
Surr: Dibromofluoromethane	94.2	80 - 120	%Rec	1	7/27/2021 7:20:18 PM
Surr: Toluene-d8	92.3	80 - 120	%Rec	1	7/27/2021 7:20:18 PM
Surr: 1-Bromo-4-fluorobenzene	93.2	80 - 120	%Rec	1	7/27/2021 7:20:18 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Sample Moisture (Percent Moisture)

Batch ID: R68835 Analyst: cb

Percent Moisture 9.34 0.500 wt% 1 7/27/2021 1:36:14 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107413-002

Collection Date: 7/27/2021 7:30:00 AM

Client Sample ID: Art-N14-W22-152

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33137

Analyst: MM

Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	7/27/2021 8:59:57 PM
Heavy Oil	ND	102		mg/Kg-dry	1	7/27/2021 8:59:57 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	7/27/2021 8:59:57 PM
Surr: 2-Fluorobiphenyl	63.4	50 - 150		%Rec	1	7/27/2021 8:59:57 PM
Surr: o-Terphenyl	73.1	50 - 150		%Rec	1	7/27/2021 8:59:57 PM

Gasoline by NWTPH-Gx

Batch ID: 33133

Analyst: CR

Gasoline	ND	3.53		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Surr: Toluene-d8	94.3	65 - 135		%Rec	1	7/27/2021 8:20:32 PM
Surr: 4-Bromofluorobenzene	88.2	65 - 135		%Rec	1	7/27/2021 8:20:32 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33133

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0353		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Chloromethane	ND	0.0565		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Vinyl chloride	ND	0.0177		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Bromomethane	ND	0.106		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Trichlorofluoromethane (CFC-11)	ND	0.0353		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Chloroethane	ND	0.0847		mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,1-Dichloroethene	ND	0.0706		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Acetone	ND	0.353		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Methylene chloride	ND	0.0106		mg/Kg-dry	1	7/27/2021 8:20:32 PM
trans-1,2-Dichloroethene	ND	0.0212		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Methyl tert-butyl ether (MTBE)	ND	0.0212		mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,1-Dichloroethane	ND	0.0177		mg/Kg-dry	1	7/27/2021 8:20:32 PM
cis-1,2-Dichloroethene	ND	0.0177		mg/Kg-dry	1	7/27/2021 8:20:32 PM
(MEK) 2-Butanone	ND	0.318		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Chloroform	ND	0.0177		mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,1,1-Trichloroethane (TCA)	ND	0.0177		mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,1-Dichloropropene	ND	0.0177		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Carbon tetrachloride	ND	0.0530		mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,2-Dichloroethane (EDC)	ND	0.0162		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Benzene	ND	0.0141		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Trichloroethene (TCE)	ND	0.0141		mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,2-Dichloropropane	ND	0.0141		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Bromodichloromethane	ND	0.0177		mg/Kg-dry	1	7/27/2021 8:20:32 PM
Dibromomethane	ND	0.0141		mg/Kg-dry	1	7/27/2021 8:20:32 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33133

Analyst: CR

cis-1,3-Dichloropropene	ND	0.0565	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Toluene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Trans-1,3-Dichloropropylene	ND	0.0353	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0530	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,1,2-Trichloroethane	ND	0.0120	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,3-Dichloropropane	ND	0.0141	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Tetrachloroethene (PCE)	ND	0.0282	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Dibromochloromethane	ND	0.0141	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,2-Dibromoethane (EDB)	ND	0.00706	mg/Kg-dry	1	7/27/2021 8:20:32 PM
2-Hexanone (MBK)	ND	0.0424	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Chlorobenzene	ND	0.0177	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,1,1,2-Tetrachloroethane	ND	0.0141	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Ethylbenzene	ND	0.0177	mg/Kg-dry	1	7/27/2021 8:20:32 PM
m,p-Xylene	ND	0.0353	mg/Kg-dry	1	7/27/2021 8:20:32 PM
o-Xylene	ND	0.0177	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Styrene	ND	0.0177	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Isopropylbenzene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Bromoform	ND	0.0177	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,1,2,2-Tetrachloroethane	ND	0.0106	mg/Kg-dry	1	7/27/2021 8:20:32 PM
n-Propylbenzene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Bromobenzene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,3,5-Trimethylbenzene	ND	0.0177	mg/Kg-dry	1	7/27/2021 8:20:32 PM
2-Chlorotoluene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
4-Chlorotoluene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
tert-Butylbenzene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,2,3-Trichloropropane	ND	0.0177	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,2,4-Trichlorobenzene	ND	0.0282	mg/Kg-dry	1	7/27/2021 8:20:32 PM
sec-Butylbenzene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
4-Isopropyltoluene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,3-Dichlorobenzene	ND	0.0247	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,4-Dichlorobenzene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
n-Butylbenzene	ND	0.0282	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,2-Dichlorobenzene	ND	0.0212	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,2-Dibromo-3-chloropropane	ND	0.0424	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,2,4-Trimethylbenzene	ND	0.0177	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Hexachloro-1,3-butadiene	ND	0.0353	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Naphthalene	ND	0.0706	mg/Kg-dry	1	7/27/2021 8:20:32 PM
1,2,3-Trichlorobenzene	ND	0.0353	mg/Kg-dry	1	7/27/2021 8:20:32 PM
Surr: Dibromofluoromethane	96.7	80 - 120	%Rec	1	7/27/2021 8:20:32 PM
Surr: Toluene-d8	92.8	80 - 120	%Rec	1	7/27/2021 8:20:32 PM
Surr: 1-Bromo-4-fluorobenzene	92.5	80 - 120	%Rec	1	7/27/2021 8:20:32 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Sample Moisture (Percent Moisture)

Batch ID: R68835 Analyst: cb

Percent Moisture 9.51 0.500 wt% 1 7/27/2021 1:36:14 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107413-003

Collection Date: 7/27/2021 7:40:00 AM

Client Sample ID: Art-N18-W21-152

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33137	Analyst: MM
Diesel (Fuel Oil)	ND	50.0		mg/Kg-dry	1	7/27/2021 9:12:47 PM
Heavy Oil	ND	100		mg/Kg-dry	1	7/27/2021 9:12:47 PM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	7/27/2021 9:12:47 PM
Surr: 2-Fluorobiphenyl	69.0	50 - 150		%Rec	1	7/27/2021 9:12:47 PM
Surr: o-Terphenyl	80.8	50 - 150		%Rec	1	7/27/2021 9:12:47 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33133	Analyst: CR
Gasoline	ND	3.72		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Surr: Toluene-d8	96.0	65 - 135		%Rec	1	7/27/2021 8:50:41 PM
Surr: 4-Bromofluorobenzene	87.7	65 - 135		%Rec	1	7/27/2021 8:50:41 PM

<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33133	Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0372		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Chloromethane	ND	0.0596		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Vinyl chloride	ND	0.0186		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Bromomethane	ND	0.112		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Trichlorofluoromethane (CFC-11)	ND	0.0372		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Chloroethane	ND	0.0893		mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,1-Dichloroethene	ND	0.0745		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Acetone	ND	0.372		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Methylene chloride	ND	0.0112		mg/Kg-dry	1	7/27/2021 8:50:41 PM
trans-1,2-Dichloroethene	ND	0.0223		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Methyl tert-butyl ether (MTBE)	ND	0.0223		mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,1-Dichloroethane	ND	0.0186		mg/Kg-dry	1	7/27/2021 8:50:41 PM
cis-1,2-Dichloroethene	ND	0.0186		mg/Kg-dry	1	7/27/2021 8:50:41 PM
(MEK) 2-Butanone	ND	0.335		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Chloroform	ND	0.0186		mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,1,1-Trichloroethane (TCA)	ND	0.0186		mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,1-Dichloropropene	ND	0.0186		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Carbon tetrachloride	ND	0.0558		mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,2-Dichloroethane (EDC)	ND	0.0171		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Benzene	ND	0.0149		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Trichloroethene (TCE)	ND	0.0149		mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,2-Dichloropropane	ND	0.0149		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Bromodichloromethane	ND	0.0186		mg/Kg-dry	1	7/27/2021 8:50:41 PM
Dibromomethane	ND	0.0149		mg/Kg-dry	1	7/27/2021 8:50:41 PM



CLIENT: Aspect Consulting

Project: Schnitzer Artiste

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33133

Analyst: CR

cis-1,3-Dichloropropene	ND	0.0596	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Toluene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Trans-1,3-Dichloropropylene	ND	0.0372	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0558	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,1,2-Trichloroethane	ND	0.0127	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,3-Dichloropropane	ND	0.0149	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Tetrachloroethene (PCE)	ND	0.0298	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Dibromochloromethane	ND	0.0149	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,2-Dibromoethane (EDB)	ND	0.00745	mg/Kg-dry	1	7/27/2021 8:50:41 PM
2-Hexanone (MBK)	ND	0.0447	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Chlorobenzene	ND	0.0186	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,1,1,2-Tetrachloroethane	ND	0.0149	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Ethylbenzene	ND	0.0186	mg/Kg-dry	1	7/27/2021 8:50:41 PM
m,p-Xylene	ND	0.0372	mg/Kg-dry	1	7/27/2021 8:50:41 PM
o-Xylene	ND	0.0186	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Styrene	ND	0.0186	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Isopropylbenzene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Bromoform	ND	0.0186	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,1,2,2-Tetrachloroethane	ND	0.0112	mg/Kg-dry	1	7/27/2021 8:50:41 PM
n-Propylbenzene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Bromobenzene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,3,5-Trimethylbenzene	ND	0.0186	mg/Kg-dry	1	7/27/2021 8:50:41 PM
2-Chlorotoluene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
4-Chlorotoluene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
tert-Butylbenzene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,2,3-Trichloropropane	ND	0.0186	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,2,4-Trichlorobenzene	ND	0.0298	mg/Kg-dry	1	7/27/2021 8:50:41 PM
sec-Butylbenzene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
4-Isopropyltoluene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,3-Dichlorobenzene	ND	0.0261	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,4-Dichlorobenzene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
n-Butylbenzene	ND	0.0298	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,2-Dichlorobenzene	ND	0.0223	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,2-Dibromo-3-chloropropane	ND	0.0447	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,2,4-Trimethylbenzene	ND	0.0186	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Hexachloro-1,3-butadiene	ND	0.0372	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Naphthalene	ND	0.0745	mg/Kg-dry	1	7/27/2021 8:50:41 PM
1,2,3-Trichlorobenzene	ND	0.0372	mg/Kg-dry	1	7/27/2021 8:50:41 PM
Surr: Dibromofluoromethane	95.3	80 - 120	%Rec	1	7/27/2021 8:50:41 PM
Surr: Toluene-d8	93.1	80 - 120	%Rec	1	7/27/2021 8:50:41 PM
Surr: 1-Bromo-4-fluorobenzene	91.9	80 - 120	%Rec	1	7/27/2021 8:50:41 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Sample Moisture (Percent Moisture)

Batch ID: R68835 Analyst: cb

Percent Moisture 7.43 0.500 wt% 1 7/27/2021 1:36:14 PM



CLIENT: Aspect Consulting

Project: Schnitzer Artiste

Lab ID: 2107413-004

Collection Date: 7/27/2021 7:50:00 AM

Client Sample ID: Art-N16-W18-152

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33137

Analyst: MM

Diesel (Fuel Oil)	ND	53.6		mg/Kg-dry	1	7/27/2021 9:25:40 PM
Heavy Oil	ND	107		mg/Kg-dry	1	7/27/2021 9:25:40 PM
Total Petroleum Hydrocarbons	ND	161		mg/Kg-dry	1	7/27/2021 9:25:40 PM
Surr: 2-Fluorobiphenyl	73.0	50 - 150		%Rec	1	7/27/2021 9:25:40 PM
Surr: o-Terphenyl	83.4	50 - 150		%Rec	1	7/27/2021 9:25:40 PM

Gasoline by NWTPH-Gx

Batch ID: 33133

Analyst: CR

Gasoline	ND	3.64		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Surr: Toluene-d8	96.9	65 - 135		%Rec	1	7/27/2021 9:20:48 PM
Surr: 4-Bromofluorobenzene	86.1	65 - 135		%Rec	1	7/27/2021 9:20:48 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33133

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0364		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Chloromethane	ND	0.0583		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Vinyl chloride	ND	0.0182		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Bromomethane	ND	0.109		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Trichlorofluoromethane (CFC-11)	ND	0.0364		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Chloroethane	ND	0.0875		mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,1-Dichloroethene	ND	0.0729		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Acetone	ND	0.364		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Methylene chloride	ND	0.0109		mg/Kg-dry	1	7/27/2021 9:20:48 PM
trans-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Methyl tert-butyl ether (MTBE)	ND	0.0219		mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,1-Dichloroethane	ND	0.0182		mg/Kg-dry	1	7/27/2021 9:20:48 PM
cis-1,2-Dichloroethene	ND	0.0182		mg/Kg-dry	1	7/27/2021 9:20:48 PM
(MEK) 2-Butanone	ND	0.328		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Chloroform	ND	0.0182		mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,1,1-Trichloroethane (TCA)	ND	0.0182		mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,1-Dichloropropene	ND	0.0182		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Carbon tetrachloride	ND	0.0547		mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,2-Dichloroethane (EDC)	ND	0.0168		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Benzene	ND	0.0146		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Trichloroethene (TCE)	ND	0.0146		mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,2-Dichloropropane	ND	0.0146		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Bromodichloromethane	ND	0.0182		mg/Kg-dry	1	7/27/2021 9:20:48 PM
Dibromomethane	ND	0.0146		mg/Kg-dry	1	7/27/2021 9:20:48 PM



CLIENT: Aspect Consulting

Project: Schnitzer Artiste

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33133

Analyst: CR

cis-1,3-Dichloropropene	ND	0.0583	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Toluene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Trans-1,3-Dichloropropylene	ND	0.0364	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0547	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,1,2-Trichloroethane	ND	0.0124	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,3-Dichloropropane	ND	0.0146	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Tetrachloroethene (PCE)	ND	0.0292	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Dibromochloromethane	ND	0.0146	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,2-Dibromoethane (EDB)	ND	0.00729	mg/Kg-dry	1	7/27/2021 9:20:48 PM
2-Hexanone (MBK)	ND	0.0437	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Chlorobenzene	ND	0.0182	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,1,1,2-Tetrachloroethane	ND	0.0146	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Ethylbenzene	ND	0.0182	mg/Kg-dry	1	7/27/2021 9:20:48 PM
m,p-Xylene	ND	0.0364	mg/Kg-dry	1	7/27/2021 9:20:48 PM
o-Xylene	ND	0.0182	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Styrene	ND	0.0182	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Isopropylbenzene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Bromoform	ND	0.0182	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,1,2,2-Tetrachloroethane	ND	0.0109	mg/Kg-dry	1	7/27/2021 9:20:48 PM
n-Propylbenzene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Bromobenzene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,3,5-Trimethylbenzene	ND	0.0182	mg/Kg-dry	1	7/27/2021 9:20:48 PM
2-Chlorotoluene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
4-Chlorotoluene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
tert-Butylbenzene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,2,3-Trichloropropane	ND	0.0182	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,2,4-Trichlorobenzene	ND	0.0292	mg/Kg-dry	1	7/27/2021 9:20:48 PM
sec-Butylbenzene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
4-Isopropyltoluene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,3-Dichlorobenzene	ND	0.0255	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,4-Dichlorobenzene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
n-Butylbenzene	ND	0.0292	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,2-Dichlorobenzene	ND	0.0219	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,2-Dibromo-3-chloropropane	ND	0.0437	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,2,4-Trimethylbenzene	ND	0.0182	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Hexachloro-1,3-butadiene	ND	0.0364	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Naphthalene	ND	0.0729	mg/Kg-dry	1	7/27/2021 9:20:48 PM
1,2,3-Trichlorobenzene	ND	0.0364	mg/Kg-dry	1	7/27/2021 9:20:48 PM
Surr: Dibromofluoromethane	92.9	80 - 120	%Rec	1	7/27/2021 9:20:48 PM
Surr: Toluene-d8	93.1	80 - 120	%Rec	1	7/27/2021 9:20:48 PM
Surr: 1-Bromo-4-fluorobenzene	90.3	80 - 120	%Rec	1	7/27/2021 9:20:48 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Sample Moisture (Percent Moisture)

Batch ID: R68835 Analyst: cb

Percent Moisture 9.20 0.500 wt% 1 7/27/2021 1:36:14 PM



Analytical Report

Work Order: 2107413
Date Reported: 7/28/2021

CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107413-005

Collection Date: 7/27/2021 7:00:00 AM

Client Sample ID: Art-TB-04

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33133

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	7/27/2021 6:50:09 PM
Chloromethane	ND	0.0800		mg/Kg	1	7/27/2021 6:50:09 PM
Vinyl chloride	ND	0.0250		mg/Kg	1	7/27/2021 6:50:09 PM
Bromomethane	ND	0.150		mg/Kg	1	7/27/2021 6:50:09 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	7/27/2021 6:50:09 PM
Chloroethane	ND	0.120		mg/Kg	1	7/27/2021 6:50:09 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/27/2021 6:50:09 PM
Acetone	ND	0.500		mg/Kg	1	7/27/2021 6:50:09 PM
Methylene chloride	ND	0.0150		mg/Kg	1	7/27/2021 6:50:09 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/27/2021 6:50:09 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	7/27/2021 6:50:09 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	7/27/2021 6:50:09 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/27/2021 6:50:09 PM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	7/27/2021 6:50:09 PM
Chloroform	ND	0.0250		mg/Kg	1	7/27/2021 6:50:09 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	7/27/2021 6:50:09 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	7/27/2021 6:50:09 PM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	7/27/2021 6:50:09 PM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	7/27/2021 6:50:09 PM
Benzene	ND	0.0200		mg/Kg	1	7/27/2021 6:50:09 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/27/2021 6:50:09 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	7/27/2021 6:50:09 PM
Bromodichloromethane	ND	0.0250		mg/Kg	1	7/27/2021 6:50:09 PM
Dibromomethane	ND	0.0200		mg/Kg	1	7/27/2021 6:50:09 PM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	7/27/2021 6:50:09 PM
Toluene	ND	0.0300		mg/Kg	1	7/27/2021 6:50:09 PM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	7/27/2021 6:50:09 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	7/27/2021 6:50:09 PM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	7/27/2021 6:50:09 PM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	7/27/2021 6:50:09 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/27/2021 6:50:09 PM
Dibromochloromethane	ND	0.0200		mg/Kg	1	7/27/2021 6:50:09 PM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	7/27/2021 6:50:09 PM
2-Hexanone (MBK)	ND	0.0600		mg/Kg	1	7/27/2021 6:50:09 PM
Chlorobenzene	ND	0.0250		mg/Kg	1	7/27/2021 6:50:09 PM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	7/27/2021 6:50:09 PM
Ethylbenzene	ND	0.0250		mg/Kg	1	7/27/2021 6:50:09 PM
m,p-Xylene	ND	0.0500		mg/Kg	1	7/27/2021 6:50:09 PM



CLIENT: Aspect Consulting

Project: Schnitzer Artiste

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33133

Analyst: CR

o-Xylene	ND	0.0250	mg/Kg	1	7/27/2021 6:50:09 PM
Styrene	ND	0.0250	mg/Kg	1	7/27/2021 6:50:09 PM
Isopropylbenzene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
Bromoform	ND	0.0250	mg/Kg	1	7/27/2021 6:50:09 PM
1,1,2,2-Tetrachloroethane	ND	0.0150	mg/Kg	1	7/27/2021 6:50:09 PM
n-Propylbenzene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
Bromobenzene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
1,3,5-Trimethylbenzene	ND	0.0250	mg/Kg	1	7/27/2021 6:50:09 PM
2-Chlorotoluene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
4-Chlorotoluene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
tert-Butylbenzene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
1,2,3-Trichloropropane	ND	0.0250	mg/Kg	1	7/27/2021 6:50:09 PM
1,2,4-Trichlorobenzene	ND	0.0400	mg/Kg	1	7/27/2021 6:50:09 PM
sec-Butylbenzene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
4-Isopropyltoluene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
1,3-Dichlorobenzene	ND	0.0350	mg/Kg	1	7/27/2021 6:50:09 PM
1,4-Dichlorobenzene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
n-Butylbenzene	ND	0.0400	mg/Kg	1	7/27/2021 6:50:09 PM
1,2-Dichlorobenzene	ND	0.0300	mg/Kg	1	7/27/2021 6:50:09 PM
1,2-Dibromo-3-chloropropane	ND	0.0600	mg/Kg	1	7/27/2021 6:50:09 PM
1,2,4-Trimethylbenzene	ND	0.0250	mg/Kg	1	7/27/2021 6:50:09 PM
Hexachloro-1,3-butadiene	ND	0.0500	mg/Kg	1	7/27/2021 6:50:09 PM
Naphthalene	ND	0.100	mg/Kg	1	7/27/2021 6:50:09 PM
1,2,3-Trichlorobenzene	ND	0.0500	mg/Kg	1	7/27/2021 6:50:09 PM
Surr: Dibromofluoromethane	93.0	80 - 120	%Rec	1	7/27/2021 6:50:09 PM
Surr: Toluene-d8	91.9	80 - 120	%Rec	1	7/27/2021 6:50:09 PM
Surr: 1-Bromo-4-fluorobenzene	93.4	80 - 120	%Rec	1	7/27/2021 6:50:09 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107413-006

Collection Date: 7/27/2021 11:00:00 AM

Client Sample ID: Art-N04-W12-148

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33137		Analyst: MM
Diesel (Fuel Oil)	ND	49.1		mg/Kg-dry	1	7/27/2021 9:38:32 PM
Heavy Oil	ND	98.2		mg/Kg-dry	1	7/27/2021 9:38:32 PM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	7/27/2021 9:38:32 PM
Surr: 2-Fluorobiphenyl	82.3	50 - 150		%Rec	1	7/27/2021 9:38:32 PM
Surr: o-Terphenyl	91.8	50 - 150		%Rec	1	7/27/2021 9:38:32 PM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33133		Analyst: CR
Gasoline	ND	3.63		mg/Kg-dry	1	7/27/2021 9:50:55 PM
Surr: Toluene-d8	94.0	65 - 135		%Rec	1	7/27/2021 9:50:55 PM
Surr: 4-Bromofluorobenzene	86.7	65 - 135		%Rec	1	7/27/2021 9:50:55 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68835		Analyst: cb
Percent Moisture	6.92	0.500		wt%	1	7/27/2021 1:36:14 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107413-007

Collection Date: 7/27/2021 11:05:00 AM

Client Sample ID: Art-N06-W12-150

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33137		Analyst: MM
Diesel (Fuel Oil)	ND	54.5		mg/Kg-dry	1	7/27/2021 9:51:25 PM
Heavy Oil	ND	109		mg/Kg-dry	1	7/27/2021 9:51:25 PM
Total Petroleum Hydrocarbons	ND	164		mg/Kg-dry	1	7/27/2021 9:51:25 PM
Surr: 2-Fluorobiphenyl	65.7	50 - 150		%Rec	1	7/27/2021 9:51:25 PM
Surr: o-Terphenyl	70.2	50 - 150		%Rec	1	7/27/2021 9:51:25 PM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33133		Analyst: CR
Gasoline	ND	4.07		mg/Kg-dry	1	7/27/2021 10:21:05 PM
Surr: Toluene-d8	95.0	65 - 135		%Rec	1	7/27/2021 10:21:05 PM
Surr: 4-Bromofluorobenzene	87.2	65 - 135		%Rec	1	7/27/2021 10:21:05 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68835		Analyst: cb
Percent Moisture	15.4	0.500		wt%	1	7/27/2021 1:36:14 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107413-008

Collection Date: 7/27/2021 11:10:00 AM

Client Sample ID: Art-N03-W14-150

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33137		Analyst: MM
Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	7/27/2021 10:04:24 PM
Heavy Oil	ND	102		mg/Kg-dry	1	7/27/2021 10:04:24 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	7/27/2021 10:04:24 PM
Surr: 2-Fluorobiphenyl	85.8	50 - 150		%Rec	1	7/27/2021 10:04:24 PM
Surr: o-Terphenyl	90.3	50 - 150		%Rec	1	7/27/2021 10:04:24 PM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33133		Analyst: CR
Gasoline	ND	3.70		mg/Kg-dry	1	7/27/2021 10:51:12 PM
Surr: Toluene-d8	95.5	65 - 135		%Rec	1	7/27/2021 10:51:12 PM
Surr: 4-Bromofluorobenzene	86.2	65 - 135		%Rec	1	7/27/2021 10:51:12 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68835		Analyst: cb
Percent Moisture	7.91	0.500		wt%	1	7/27/2021 1:36:14 PM

Work Order: 2107413
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33137	SampType: MBLK	Units: mg/Kg				Prep Date: 7/27/2021	RunNo: 68870				
Client ID: MBLKS	Batch ID: 33137					Analysis Date: 7/27/2021	SeqNo: 1393260				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.86		10.00		88.6	50	150				
Surr: o-Terphenyl	9.27		10.00		92.7	50	150				

Sample ID: LCS-33137	SampType: LCS	Units: mg/Kg				Prep Date: 7/27/2021	RunNo: 68870				
Client ID: LCSS	Batch ID: 33137					Analysis Date: 7/27/2021	SeqNo: 1393261				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	544	150	500.0	0	109	77.2	122				
Surr: 2-Fluorobiphenyl	9.25		10.00		92.5	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: 2107366-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/27/2021	RunNo: 68870				
Client ID: BATCH	Batch ID: 33137					Analysis Date: 7/27/2021	SeqNo: 1393264				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	549	152	506.1	91.31	90.5	68	132				
Surr: 2-Fluorobiphenyl	9.22		10.12		91.1	50	150				
Surr: o-Terphenyl	11.8		10.12		117	50	150				

Sample ID: 2107366-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/27/2021	RunNo: 68870				
Client ID: BATCH	Batch ID: 33137					Analysis Date: 7/27/2021	SeqNo: 1393265				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	558	154	513.8	91.31	90.8	68	132	549.1	1.56	30	
Surr: 2-Fluorobiphenyl	9.58		10.28		93.2	50	150		0		
Surr: o-Terphenyl	11.5		10.28		112	50	150		0		

Work Order: 2107413
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2107366-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/27/2021	RunNo: 68870							
Client ID: BATCH	Batch ID: 33137		Analysis Date: 7/27/2021	SeqNo: 1393265							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2107372-005ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/27/2021	RunNo: 68870							
Client ID: BATCH	Batch ID: 33137		Analysis Date: 7/27/2021	SeqNo: 1393270							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	65.2						0		30	
Heavy Oil	ND	130						0		30	
Total Petroleum Hydrocarbons	ND	196						0		30	
Surr: 2-Fluorobiphenyl	12.1		13.04		92.9	50	150		0		
Surr: o-Terphenyl	12.2		13.04		93.5	50	150		0		

Work Order: 2107413
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33133	SampType: LCS	Units: mg/Kg			Prep Date: 7/27/2021	RunNo: 68867					
Client ID: LCSS	Batch ID: 33133				Analysis Date: 7/27/2021	SeqNo: 1393233					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.8	5.00	25.00	0	95.3	65	135				
Surr: Toluene-d8	1.22		1.250		97.7	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		100	65	135				

Sample ID: MB-33133	SampType: MBLK	Units: mg/Kg			Prep Date: 7/27/2021	RunNo: 68867					
Client ID: MBLKS	Batch ID: 33133				Analysis Date: 7/27/2021	SeqNo: 1393234					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.18		1.250		94.7	65	135				
Surr: 4-Bromofluorobenzene	1.11		1.250		89.1	65	135				

Sample ID: 2107365-002BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 7/27/2021	RunNo: 68867					
Client ID: BATCH	Batch ID: 33133				Analysis Date: 7/27/2021	SeqNo: 1393212					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.08						0		30	
Surr: Toluene-d8	1.20		1.270		94.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.17		1.270		92.0	65	135		0		

Sample ID: 2107366-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 7/27/2021	RunNo: 68867					
Client ID: BATCH	Batch ID: 33133				Analysis Date: 7/27/2021	SeqNo: 1393221					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	37.9	4.90	24.52	12.80	102	65	135				
Surr: Toluene-d8	1.21		1.226		98.7	65	135				
Surr: 4-Bromofluorobenzene	1.19		1.226		96.8	65	135				

Work Order: 2107413
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2107413-001BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 7/27/2021	RunNo: 68867						
Client ID: Art-N16-W24-152	Batch ID: 33133			Analysis Date: 7/27/2021	SeqNo: 1393223						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	3.63						0		30	
Surr: Toluene-d8	0.852		0.9087		93.8	65	135		0		
Surr: 4-Bromofluorobenzene	0.796		0.9087		87.6	65	135		0		

Work Order: 2107413
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33133	SampType: LCS	Units: mg/Kg				Prep Date: 7/27/2021	RunNo: 68866				
Client ID: LCSS	Batch ID: 33133					Analysis Date: 7/27/2021	SeqNo: 1393209				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.47	0.0500	1.000	0	147	80	120				S
Chloromethane	1.09	0.0800	1.000	0	109	80	120				
Vinyl chloride	1.10	0.0250	1.000	0	110	80	120				
Bromomethane	1.04	0.150	1.000	0	104	80	120				
Trichlorofluoromethane (CFC-11)	1.06	0.0500	1.000	0	106	80	120				
Chloroethane	0.951	0.120	1.000	0	95.1	80	120				
1,1-Dichloroethene	0.982	0.100	1.000	0	98.2	80	120				
Acetone	2.32	0.500	2.500	0	92.7	80	120				
Methylene chloride	0.939	0.0150	1.000	0	93.9	80	120				
trans-1,2-Dichloroethene	0.971	0.0300	1.000	0	97.1	80	120				
Methyl tert-butyl ether (MTBE)	1.04	0.0300	1.000	0	104	80	120				
1,1-Dichloroethane	0.924	0.0250	1.000	0	92.4	80	120				
cis-1,2-Dichloroethene	0.934	0.0250	1.000	0	93.4	80	120				
(MEK) 2-Butanone	2.40	0.450	2.500	0	95.9	80	120				
Chloroform	0.928	0.0250	1.000	0	92.8	80	120				
1,1,1-Trichloroethane (TCA)	0.977	0.0250	1.000	0	97.7	80	120				
1,1-Dichloropropene	0.936	0.0250	1.000	0	93.6	80	120				
Carbon tetrachloride	0.982	0.0750	1.000	0	98.2	80	120				
1,2-Dichloroethane (EDC)	0.907	0.0230	1.000	0	90.7	80	120				
Benzene	0.933	0.0200	1.000	0	93.3	80	120				
Trichloroethene (TCE)	0.960	0.0200	1.000	0	96.0	80	120				
1,2-Dichloropropane	0.915	0.0200	1.000	0	91.5	80	120				
Bromodichloromethane	0.930	0.0250	1.000	0	93.0	80	120				
Dibromomethane	0.923	0.0200	1.000	0	92.3	80	120				
cis-1,3-Dichloropropene	0.935	0.0800	1.000	0	93.5	80	120				
Toluene	0.954	0.0300	1.000	0	95.4	80	120				
Trans-1,3-Dichloropropylene	0.921	0.0500	1.000	0	92.1	80	120				
Methyl Isobutyl Ketone (MIBK)	2.24	0.0750	2.500	0	89.5	80	120				
1,1,2-Trichloroethane	0.922	0.0170	1.000	0	92.2	80	120				
1,3-Dichloropropane	0.911	0.0200	1.000	0	91.1	80	120				

Work Order: 2107413
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33133	SampType: LCS	Units: mg/Kg	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: LCSS	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393209							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.03	0.0400	1.000	0	103	80	120				
Dibromochloromethane	0.958	0.0200	1.000	0	95.8	80	120				
1,2-Dibromoethane (EDB)	0.946	0.0100	1.000	0	94.6	80	120				
2-Hexanone (MBK)	2.30	0.0600	2.500	0	92.0	80	120				
Chlorobenzene	1.02	0.0250	1.000	0	102	80	120				
1,1,1,2-Tetrachloroethane	1.01	0.0200	1.000	0	101	80	120				
Ethylbenzene	1.02	0.0250	1.000	0	102	80	120				
m,p-Xylene	2.06	0.0500	2.000	0	103	80	120				
o-Xylene	1.01	0.0250	1.000	0	101	80	120				
Styrene	1.01	0.0250	1.000	0	101	80	120				
Isopropylbenzene	1.03	0.0300	1.000	0	103	80	120				
Bromoform	1.05	0.0250	1.000	0	105	80	120				
1,1,2,2-Tetrachloroethane	1.03	0.0150	1.000	0	103	80	120				
n-Propylbenzene	1.01	0.0300	1.000	0	101	80	120				
Bromobenzene	1.04	0.0300	1.000	0	104	80	120				
1,3,5-Trimethylbenzene	1.01	0.0250	1.000	0	101	80	120				
2-Chlorotoluene	0.990	0.0300	1.000	0	99.0	80	120				
4-Chlorotoluene	0.997	0.0300	1.000	0	99.7	80	120				
tert-Butylbenzene	1.02	0.0300	1.000	0	102	80	120				
1,2,3-Trichloropropane	0.986	0.0250	1.000	0	98.6	80	120				
1,2,4-Trichlorobenzene	1.03	0.0400	1.000	0	103	80	120				
sec-Butylbenzene	1.02	0.0300	1.000	0	102	80	120				
4-Isopropyltoluene	1.03	0.0300	1.000	0	103	80	120				
1,3-Dichlorobenzene	1.04	0.0350	1.000	0	104	80	120				
1,4-Dichlorobenzene	1.04	0.0300	1.000	0	104	80	120				
n-Butylbenzene	1.02	0.0400	1.000	0	102	80	120				
1,2-Dichlorobenzene	1.02	0.0300	1.000	0	102	80	120				
1,2-Dibromo-3-chloropropane	0.999	0.0600	1.000	0	99.9	80	120				
1,2,4-Trimethylbenzene	1.02	0.0250	1.000	0	102	80	120				
Hexachloro-1,3-butadiene	1.11	0.0500	1.000	0	111	80	120				

Work Order: 2107413
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33133	SampType: LCS	Units: mg/Kg	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: LCSS	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393209							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.06	0.100	1.000	0	106	80	120				
1,2,3-Trichlorobenzene	1.02	0.0500	1.000	0	102	80	120				
Surr: Dibromofluoromethane	1.21		1.250		96.6	80	120				
Surr: Toluene-d8	1.19		1.250		95.2	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.36		1.250		109	80	120				

NOTES:

S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: MB-33133	SampType: MBLK	Units: mg/Kg	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: MBLKS	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393210							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									

Work Order: 2107413
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-33133	SampType: MBLK	Units: mg/Kg	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: MBLKS	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393210							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									

Work Order: 2107413
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-33133	SampType: MBLK	Units: mg/Kg	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: MBLKS	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393210							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.17		1.250		93.3	80	120				
Surr: Toluene-d8	1.17		1.250		93.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.17		1.250		93.3	80	120				

Sample ID: 2107365-002BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: BATCH	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393190							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0508						0		30	
Chloromethane	ND	0.0813						0		30	
Vinyl chloride	ND	0.0254						0		30	
Bromomethane	ND	0.152						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0508						0		30	
Chloroethane	ND	0.122						0		30	
1,1-Dichloroethene	ND	0.102						0		30	
Acetone	ND	0.508						0		30	
Methylene chloride	ND	0.0152						0		30	

Work Order: 2107413
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107365-002BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: BATCH	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393190							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0305						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0305						0		30	
1,1-Dichloroethane	ND	0.0254						0		30	
cis-1,2-Dichloroethene	ND	0.0254						0		30	
(MEK) 2-Butanone	ND	0.457						0		30	
Chloroform	ND	0.0254						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0254						0		30	
1,1-Dichloropropene	ND	0.0254						0		30	
Carbon tetrachloride	ND	0.0762						0		30	
1,2-Dichloroethane (EDC)	ND	0.0234						0		30	
Benzene	ND	0.0203						0		30	
Trichloroethene (TCE)	ND	0.0203						0		30	
1,2-Dichloropropane	ND	0.0203						0		30	
Bromodichloromethane	ND	0.0254						0		30	
Dibromomethane	ND	0.0203						0		30	
cis-1,3-Dichloropropene	ND	0.0813						0		30	
Toluene	ND	0.0305						0		30	
Trans-1,3-Dichloropropylene	ND	0.0508						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0762						0		30	
1,1,2-Trichloroethane	ND	0.0173						0		30	
1,3-Dichloropropane	ND	0.0203						0		30	
Tetrachloroethene (PCE)	ND	0.0406						0		30	
Dibromochloromethane	ND	0.0203						0		30	
1,2-Dibromoethane (EDB)	ND	0.0102						0		30	
2-Hexanone (MBK)	ND	0.0609						0		30	
Chlorobenzene	ND	0.0254						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0203						0		30	
Ethylbenzene	ND	0.0254						0		30	
m,p-Xylene	ND	0.0508						0		30	
o-Xylene	ND	0.0254						0		30	

Work Order: 2107413
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107365-002BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 7/27/2021	RunNo: 68866					
Client ID: BATCH	Batch ID: 33133				Analysis Date: 7/27/2021	SeqNo: 1393190					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	ND	0.0254						0		30	
Isopropylbenzene	ND	0.0305						0		30	
Bromoform	ND	0.0254						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0152						0		30	
n-Propylbenzene	ND	0.0305						0		30	
Bromobenzene	ND	0.0305						0		30	
1,3,5-Trimethylbenzene	ND	0.0254						0		30	
2-Chlorotoluene	ND	0.0305						0		30	
4-Chlorotoluene	ND	0.0305						0		30	
tert-Butylbenzene	ND	0.0305						0		30	
1,2,3-Trichloropropane	ND	0.0254						0		30	
1,2,4-Trichlorobenzene	ND	0.0406						0		30	
sec-Butylbenzene	ND	0.0305						0		30	
4-Isopropyltoluene	ND	0.0305						0		30	
1,3-Dichlorobenzene	ND	0.0356						0		30	
1,4-Dichlorobenzene	ND	0.0305						0		30	
n-Butylbenzene	ND	0.0406						0		30	
1,2-Dichlorobenzene	ND	0.0305						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0609						0		30	
1,2,4-Trimethylbenzene	ND	0.0254						0		30	
Hexachloro-1,3-butadiene	ND	0.0508						0		30	
Naphthalene	ND	0.102						0		30	
1,2,3-Trichlorobenzene	ND	0.0508						0		30	
Surr: Dibromofluoromethane	1.19		1.270		93.4	80	120		0		
Surr: Toluene-d8	1.18		1.270		93.0	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.21		1.270		95.1	80	120		0		

Work Order: 2107413
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107365-005BMS	SampType: MS	Units: mg/Kg				Prep Date: 7/27/2021	RunNo: 68866				
Client ID: BATCH	Batch ID: 33133					Analysis Date: 7/27/2021	SeqNo: 1393192				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.901	0.0456	0.9117	0	98.8	5	173				
Chloromethane	0.548	0.0729	0.9117	0	60.2	39.5	138				
Vinyl chloride	0.744	0.0228	0.9117	0	81.6	41.9	145				
Bromomethane	0.871	0.137	0.9117	0	95.5	63.4	160				
Trichlorofluoromethane (CFC-11)	0.934	0.0456	0.9117	0	102	32.4	158				
Chloroethane	0.734	0.109	0.9117	0	80.5	40.1	160				
1,1-Dichloroethene	0.950	0.0912	0.9117	0	104	62.1	135				
Acetone	2.38	0.456	2.279	0	104	45.8	168				
Methylene chloride	0.852	0.0137	0.9117	0	93.5	65.6	137				
trans-1,2-Dichloroethene	0.909	0.0274	0.9117	0	99.7	65.4	137				
Methyl tert-butyl ether (MTBE)	1.09	0.0274	0.9117	0	120	48.1	157				
1,1-Dichloroethane	0.831	0.0228	0.9117	0	91.1	61.9	142				
cis-1,2-Dichloroethene	0.875	0.0228	0.9117	0	95.9	81.9	124				
(MEK) 2-Butanone	2.64	0.410	2.279	0	116	56	144				
Chloroform	0.851	0.0228	0.9117	0	93.4	79.3	127				
1,1,1-Trichloroethane (TCA)	0.924	0.0228	0.9117	0	101	80	121				
1,1-Dichloropropene	0.945	0.0228	0.9117	0	104	76.4	127				
Carbon tetrachloride	0.948	0.0684	0.9117	0	104	68.6	130				
1,2-Dichloroethane (EDC)	0.879	0.0210	0.9117	0	96.4	70.1	137				
Benzene	0.939	0.0182	0.9117	0	103	80	123				
Trichloroethene (TCE)	0.976	0.0182	0.9117	0	107	79	130				
1,2-Dichloropropane	0.904	0.0182	0.9117	0	99.2	80	121				
Bromodichloromethane	0.897	0.0228	0.9117	0	98.3	72.8	124				
Dibromomethane	0.902	0.0182	0.9117	0	98.9	77.2	122				
cis-1,3-Dichloropropene	0.931	0.0729	0.9117	0	102	75.1	121				
Toluene	0.929	0.0274	0.9117	0	102	80	125				
Trans-1,3-Dichloropropylene	0.943	0.0456	0.9117	0	103	73.9	122				
Methyl Isobutyl Ketone (MIBK)	2.44	0.0684	2.279	0	107	47.1	154				
1,1,2-Trichloroethane	0.981	0.0155	0.9117	0	108	76.2	123				
1,3-Dichloropropane	0.952	0.0182	0.9117	0	104	67.2	131				

Work Order: 2107413
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107365-005BMS	SampType: MS	Units: mg/Kg	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: BATCH	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393192							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.03	0.0365	0.9117	0	113	77.2	128				
Dibromochloromethane	1.00	0.0182	0.9117	0	110	63.3	129				
1,2-Dibromoethane (EDB)	1.00	0.00912	0.9117	0	110	75.1	124				
2-Hexanone (MBK)	2.56	0.0547	2.279	0	112	40.5	170				
Chlorobenzene	0.991	0.0228	0.9117	0	109	80	120				
1,1,1,2-Tetrachloroethane	1.12	0.0182	0.9117	0	122	80	120				S
Ethylbenzene	0.982	0.0228	0.9117	0	108	80	133				
m,p-Xylene	1.96	0.0456	1.823	0.01041	107	80	129				
o-Xylene	0.951	0.0228	0.9117	0	104	73.4	131				
Styrene	0.969	0.0228	0.9117	0	106	77.4	125				
Isopropylbenzene	0.986	0.0274	0.9117	0	108	76.7	132				
Bromoform	1.13	0.0228	0.9117	0	124	69.7	127				
1,1,1,2,2-Tetrachloroethane	1.05	0.0137	0.9117	0	115	62.8	132				
n-Propylbenzene	0.986	0.0274	0.9117	0.02474	105	77.2	134				
Bromobenzene	1.00	0.0274	0.9117	0	110	77.2	125				
1,3,5-Trimethylbenzene	0.951	0.0228	0.9117	0	104	79.8	125				
2-Chlorotoluene	0.928	0.0274	0.9117	0	102	78.3	127				
4-Chlorotoluene	0.945	0.0274	0.9117	0	104	79.9	123				
tert-Butylbenzene	0.975	0.0274	0.9117	0	107	74.7	132				
1,2,3-Trichloropropane	1.03	0.0228	0.9117	0	113	65.9	128				
1,2,4-Trichlorobenzene	1.15	0.0365	0.9117	0	126	78.5	129				
sec-Butylbenzene	0.979	0.0274	0.9117	0	107	73.8	135				
4-Isopropyltoluene	0.985	0.0274	0.9117	0	108	73.9	134				
1,3-Dichlorobenzene	1.01	0.0319	0.9117	0	111	80	123				
1,4-Dichlorobenzene	0.999	0.0274	0.9117	0	110	80	122				
n-Butylbenzene	1.00	0.0365	0.9117	0	110	80	130				
1,2-Dichlorobenzene	1.02	0.0274	0.9117	0	112	80	120				
1,2-Dibromo-3-chloropropane	1.15	0.0547	0.9117	0	126	66.1	131				
1,2,4-Trimethylbenzene	0.950	0.0228	0.9117	0.005960	103	80	124				
Hexachloro-1,3-butadiene	1.12	0.0456	0.9117	0	123	70.9	135				

Work Order: 2107413
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107365-005BMS	SampType: MS	Units: mg/Kg	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: BATCH	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393192							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.29	0.0912	0.9117	0	141	53.8	164				
1,2,3-Trichlorobenzene	1.21	0.0456	0.9117	0	133	75.8	131				S
Surr: Dibromofluoromethane	1.03		1.140		90.1	80	120				
Surr: Toluene-d8	1.07		1.140		94.0	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.140		105	80	120				

NOTES:

S - Outlying spike recovery observed (high bias).

Sample ID: 2107413-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: Art-N16-W24-152	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393201							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0363						0		30	
Chloromethane	ND	0.0582						0		30	
Vinyl chloride	ND	0.0182						0		30	
Bromomethane	ND	0.109						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0363						0		30	
Chloroethane	ND	0.0872						0		30	
1,1-Dichloroethene	ND	0.0727						0		30	
Acetone	ND	0.363						0		30	
Methylene chloride	ND	0.0109						0		30	
trans-1,2-Dichloroethene	ND	0.0218						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0218						0		30	
1,1-Dichloroethane	ND	0.0182						0		30	
cis-1,2-Dichloroethene	ND	0.0182						0		30	
(MEK) 2-Butanone	ND	0.327						0		30	
Chloroform	ND	0.0182						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0182						0		30	
1,1-Dichloropropene	ND	0.0182						0		30	
Carbon tetrachloride	ND	0.0545						0		30	
1,2-Dichloroethane (EDC)	ND	0.0167						0		30	

Work Order: 2107413
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107413-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: Art-N16-W24-152	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393201							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.0145						0		30	
Trichloroethene (TCE)	ND	0.0145						0		30	
1,2-Dichloropropane	ND	0.0145						0		30	
Bromodichloromethane	ND	0.0182						0		30	
Dibromomethane	ND	0.0145						0		30	
cis-1,3-Dichloropropene	ND	0.0582						0		30	
Toluene	ND	0.0218						0		30	
Trans-1,3-Dichloropropylene	ND	0.0363						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0545						0		30	
1,1,2-Trichloroethane	ND	0.0124						0		30	
1,3-Dichloropropane	ND	0.0145						0		30	
Tetrachloroethene (PCE)	ND	0.0291						0		30	
Dibromochloromethane	ND	0.0145						0		30	
1,2-Dibromoethane (EDB)	ND	0.00727						0		30	
2-Hexanone (MBK)	ND	0.0436						0		30	
Chlorobenzene	ND	0.0182						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0145						0		30	
Ethylbenzene	ND	0.0182						0		30	
m,p-Xylene	ND	0.0363						0		30	
o-Xylene	ND	0.0182						0		30	
Styrene	ND	0.0182						0		30	
Isopropylbenzene	ND	0.0218						0		30	
Bromoform	ND	0.0182						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0109						0		30	
n-Propylbenzene	ND	0.0218						0		30	
Bromobenzene	ND	0.0218						0		30	
1,3,5-Trimethylbenzene	ND	0.0182						0		30	
2-Chlorotoluene	ND	0.0218						0		30	
4-Chlorotoluene	ND	0.0218						0		30	
tert-Butylbenzene	ND	0.0218						0		30	

Work Order: 2107413
 CLIENT: Aspect Consulting
 Project: Schnitzer Artiste

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107413-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/27/2021	RunNo: 68866							
Client ID: Art-N16-W24-152	Batch ID: 33133		Analysis Date: 7/27/2021	SeqNo: 1393201							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichloropropane	ND	0.0182						0		30	
1,2,4-Trichlorobenzene	ND	0.0291						0		30	
sec-Butylbenzene	ND	0.0218						0		30	
4-Isopropyltoluene	ND	0.0218						0		30	
1,3-Dichlorobenzene	ND	0.0254						0		30	
1,4-Dichlorobenzene	ND	0.0218						0		30	
n-Butylbenzene	ND	0.0291						0		30	
1,2-Dichlorobenzene	ND	0.0218						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0436						0		30	
1,2,4-Trimethylbenzene	ND	0.0182						0		30	
Hexachloro-1,3-butadiene	ND	0.0363						0		30	
Naphthalene	ND	0.0727						0		30	
1,2,3-Trichlorobenzene	ND	0.0363						0		30	
Surr: Dibromofluoromethane	0.863		0.9087		95.0	80	120		0		
Surr: Toluene-d8	0.838		0.9087		92.2	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.835		0.9087		91.9	80	120		0		

Client Name: AC	Work Order Number: 2107413
Logged by: Brianna Barnes	Date Received: 7/27/2021 12:10:57 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
ANALYTICAL

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 7/27/21 Page: 1 of 1

Project Name: Shantzer Airsite

Project No: 190298

Collected by: DRB

Location:

Report To (PM): Neilan Lantz Kambhais

PM Email: mkanabe@seattleair.com

Laboratory Project No (Internal): 2167413
Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes													Comments
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics	Hydrocarbon Identification (GX)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)		
1 Art-NI6-W24-152	7/27/21	0730	Soil	3	X	X	X	X	X	X	X	X	X	X	X	X		
2 Art-NH-W22-152		0730		1	X	X	X	X	X	X	X	X	X	X	X	X		
3 Art-NI8-U21-152		0740		1	X	X	X	X	X	X	X	X	X	X	X	X		
4 Art-NI6-W18-152		0750		1	X	X	X	X	X	X	X	X	X	X	X	X		
5 Art-T3-04		0700	A	1	X	X	X	X	X	X	X	X	X	X	X	X		
6 Art-ND4-W12-148	7/27/21	1100	5.1	3	X	X	X	X	X	X	X	X	X	X	X	X		
7 Art-NE6-W12-150		1105		1	X	X	X	X	X	X	X	X	X	X	X	X		
8 Art-ND3-W14-150		1110		1	X	X	X	X	X	X	X	X	X	X	X	X		
9																		
10																		

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 Metals (Circle): MICA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) *[Signature]* Print Name *Ravel Shook* Date/Time *7/27/21 11:20*
 Relinquished (Signature) *[Signature]* Print Name *Kamil Fadi* Date/Time *7/27/21 11:20*
 Relinquished (Signature) *[Signature]* Print Name *Oliverkov* Date/Time *7/27/21 12:00*



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artiste

Work Order Number: 2107448

July 29, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 2 sample(s) on 7/28/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager



CLIENT: Aspect Consulting
Project: Schnitzer Artiste
Work Order: 2107448

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107448-001	Art-N04-W10-149	07/27/2021 10:50 AM	07/28/2021 12:09 PM
2107448-002	Art-W18-W10-150	07/28/2021 8:15 AM	07/28/2021 12:09 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107448-001

Collection Date: 7/27/2021 10:50:00 AM

Client Sample ID: Art-N04-W10-149

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33151	Analyst: MM
Diesel (Fuel Oil)	ND	48.0		mg/Kg-dry	1	7/29/2021 1:42:10 PM
Heavy Oil	ND	95.9		mg/Kg-dry	1	7/29/2021 1:42:10 PM
Total Petroleum Hydrocarbons	ND	144		mg/Kg-dry	1	7/29/2021 1:42:10 PM
Surr: 2-Fluorobiphenyl	74.1	50 - 150		%Rec	1	7/29/2021 1:42:10 PM
Surr: o-Terphenyl	87.6	50 - 150		%Rec	1	7/29/2021 1:42:10 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33152	Analyst: KT
Gasoline	ND	74.6	D	mg/Kg-dry	20	7/29/2021 7:38:53 AM
Gasoline Range Organics (C6-C12)	228	74.6	D	mg/Kg-dry	20	7/29/2021 7:38:53 AM
Surr: Toluene-d8	92.1	65 - 135	D	%Rec	20	7/29/2021 7:38:53 AM
Surr: 4-Bromofluorobenzene	105	65 - 135	D	%Rec	20	7/29/2021 7:38:53 AM

NOTES:

GRO - Indicates the presence of unresolved compounds in the gasoline range, may be indicative of heavily weathered gasoline or stoddard solvent.

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68856	Analyst: OK
Percent Moisture	6.93	0.500		wt%	1	7/28/2021 9:22:21 AM



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2107448-002

Collection Date: 7/28/2021 8:15:00 AM

Client Sample ID: Art-W18-W10-150

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33151		Analyst: MM
Diesel (Fuel Oil)	ND	51.2		mg/Kg-dry	1	7/29/2021 12:50:33 PM
Heavy Oil	ND	102		mg/Kg-dry	1	7/29/2021 12:50:33 PM
Total Petroleum Hydrocarbons	ND	154		mg/Kg-dry	1	7/29/2021 12:50:33 PM
Surr: 2-Fluorobiphenyl	75.9	50 - 150		%Rec	1	7/29/2021 12:50:33 PM
Surr: o-Terphenyl	90.0	50 - 150		%Rec	1	7/29/2021 12:50:33 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33152		Analyst: KT
Gasoline	ND	4.02		mg/Kg-dry	1	7/28/2021 3:42:52 PM
Surr: Toluene-d8	95.5	65 - 135		%Rec	1	7/28/2021 3:42:52 PM
Surr: 4-Bromofluorobenzene	108	65 - 135		%Rec	1	7/28/2021 3:42:52 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68856		Analyst: OK
Percent Moisture	4.62	0.500		wt%	1	7/28/2021 9:22:21 AM

Work Order: 2107448
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33151	SampType: MBLK	Units: mg/Kg				Prep Date: 7/28/2021	RunNo: 68881				
Client ID: MBLKS	Batch ID: 33151					Analysis Date: 7/28/2021	SeqNo: 1393563				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	7.35		10.00		73.5	50	150				
Surr: o-Terphenyl	8.70		10.00		87.0	50	150				

Sample ID: LCS-33151	SampType: LCS	Units: mg/Kg				Prep Date: 7/28/2021	RunNo: 68881				
Client ID: LCSS	Batch ID: 33151					Analysis Date: 7/28/2021	SeqNo: 1393564				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	473	150	500.0	0	94.6	77.2	122				
Surr: 2-Fluorobiphenyl	8.06		10.00		80.6	50	150				
Surr: o-Terphenyl	10.1		10.00		101	50	150				

Sample ID: 2107431-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/28/2021	RunNo: 68881				
Client ID: BATCH	Batch ID: 33151					Analysis Date: 7/28/2021	SeqNo: 1393565				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	427	153	510.0	0	83.7	68	132				
Surr: 2-Fluorobiphenyl	7.18		10.20		70.4	50	150				
Surr: o-Terphenyl	9.55		10.20		93.6	50	150				

Sample ID: 2107431-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/28/2021	RunNo: 68881				
Client ID: BATCH	Batch ID: 33151					Analysis Date: 7/28/2021	SeqNo: 1393566				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	500	158	526.9	0	94.9	68	132	426.9	15.8	30	
Surr: 2-Fluorobiphenyl	8.84		10.54		83.9	50	150		0		
Surr: o-Terphenyl	11.2		10.54		106	50	150		0		

Work Order: 2107448
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2107431-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/28/2021	RunNo: 68881							
Client ID: BATCH	Batch ID: 33151	Analysis Date: 7/28/2021	SeqNo: 1393566								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCS-33151	SampType: LCS	Units: mg/Kg	Prep Date: 7/28/2021	RunNo: 68881							
Client ID: LCSS	Batch ID: 33151	Analysis Date: 7/29/2021	SeqNo: 1394028								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Petroleum Hydrocarbons	562	150	500.0	0	112	77.2	122				SGT
Surr: 2-Fluorobiphenyl	10.8		10.00		108	50	150				SGT
Surr: o-Terphenyl	13.2		10.00		132	50	150				SGT

NOTES:
SGT - Silica Gel Treatment

Sample ID: MB-33151	SampType: MBLK	Units: mg/Kg	Prep Date: 7/28/2021	RunNo: 68881							
Client ID: MBLKS	Batch ID: 33151	Analysis Date: 7/29/2021	SeqNo: 1394029								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	50.0									SGT
Heavy Oil	ND	100									SGT
Total Petroleum Hydrocarbons	ND	150									SGT
Surr: 2-Fluorobiphenyl	10.6		10.00		106	50	150				SGT
Surr: o-Terphenyl	12.2		10.00		122	50	150				SGT

NOTES:
SGT - Silica Gel Treatment

Work Order: 2107448
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33152	SampType: LCS	Units: mg/Kg			Prep Date: 7/28/2021	RunNo: 68894					
Client ID: LCSS	Batch ID: 33152				Analysis Date: 7/28/2021	SeqNo: 1393807					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.2	5.00	25.00	0	92.7	65	135				
Surr: Toluene-d8	1.21		1.250		97.0	65	135				
Surr: 4-Bromofluorobenzene	1.27		1.250		102	65	135				

Sample ID: MB-33152	SampType: MBLK	Units: mg/Kg			Prep Date: 7/28/2021	RunNo: 68894					
Client ID: MBLKS	Batch ID: 33152				Analysis Date: 7/28/2021	SeqNo: 1393808					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.18		1.250		94.8	65	135				
Surr: 4-Bromofluorobenzene	1.06		1.250		85.0	65	135				

Sample ID: 2107432-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/28/2021	RunNo: 68894					
Client ID: BATCH	Batch ID: 33152				Analysis Date: 7/28/2021	SeqNo: 1393793					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	2.47						0		30	
Surr: Toluene-d8	0.589		0.6175		95.5	65	135		0		
Surr: 4-Bromofluorobenzene	0.534		0.6175		86.5	65	135		0		

Sample ID: 2107432-005BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 7/28/2021	RunNo: 68894					
Client ID: BATCH	Batch ID: 33152				Analysis Date: 7/28/2021	SeqNo: 1393797					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	21.2	4.72	23.58	0	89.9	65	135				
Surr: Toluene-d8	1.15		1.179		97.4	65	135				
Surr: 4-Bromofluorobenzene	1.19		1.179		101	65	135				

Client Name: AC	Work Order Number: 2107448
Logged by: Gabrielle Coeuille	Date Received: 7/28/2021 12:09:21 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

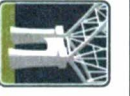
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 7/28/2021 Page: 1 of 1

Project Name: Schmitzer Artists

Project No: 190298

Collected by: JZB

Location:

Report To (PM): Meitani Lenter Kamahid

PM Email: mlykama@aspectconsulting.com

Laboratory Project No (Internal): 21074148

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes										Comments			
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)		Anions (IC)***	EDB (8011)	
1 Act-NO9-U10-149	7/28/21	1050	Soil	3	X		X											
2 Act-U18-U10-150	7/28/21	0815	Soil	3	X		X											
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCAs-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature): [Signature] Print Name: David Sobak Date/Time: 7/28/21 1130
 Relinquished (Signature): [Signature] Print Name: Justine Mante Date/Time: 7/28 12:09
 Received (Signature): [Signature] Print Name: Justine Mante Date/Time: 7/28-21 1130 AM
 Received (Signature): [Signature] Print Name: [Signature] Date/Time: [Signature]



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Ariste

Work Order Number: 2107474

July 30, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 3 sample(s) on 7/29/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Ariste
Work Order: 2107474

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107474-001	Art-N05-W06-151	07/29/2021 7:00 AM	07/29/2021 11:50 AM
2107474-002	Art-N03-W07-151	07/29/2021 7:10 AM	07/29/2021 11:50 AM
2107474-003	Art-W23-W06-151	07/29/2021 7:20 AM	07/29/2021 11:50 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Ariste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Ariste

Lab ID: 2107474-001

Collection Date: 7/29/2021 7:00:00 AM

Client Sample ID: Art-N05-W06-151

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33169		Analyst: MM
Diesel (Fuel Oil)	ND	50.9		mg/Kg-dry	1	7/29/2021 8:52:13 PM
Heavy Oil	ND	102		mg/Kg-dry	1	7/29/2021 8:52:13 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	7/29/2021 8:52:13 PM
Surr: 2-Fluorobiphenyl	81.8	50 - 150		%Rec	1	7/29/2021 8:52:13 PM
Surr: o-Terphenyl	86.3	50 - 150		%Rec	1	7/29/2021 8:52:13 PM
<u>Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)</u>				Batch ID: 33176		Analyst: SB
Benz(a)anthracene	ND	21.5		µg/Kg-dry	1	7/30/2021 11:45:30 AM
Chrysene	ND	43.1		µg/Kg-dry	1	7/30/2021 11:45:30 AM
Benzo(b)fluoranthene	ND	21.5		µg/Kg-dry	1	7/30/2021 11:45:30 AM
Benzo(k)fluoranthene	ND	21.5		µg/Kg-dry	1	7/30/2021 11:45:30 AM
Benzo(a)pyrene	ND	21.5		µg/Kg-dry	1	7/30/2021 11:45:30 AM
Indeno(1,2,3-cd)pyrene	ND	43.1		µg/Kg-dry	1	7/30/2021 11:45:30 AM
Dibenz(a,h)anthracene	ND	43.1		µg/Kg-dry	1	7/30/2021 11:45:30 AM
Surr: 2-Fluorobiphenyl	83.3	27.9 - 129		%Rec	1	7/30/2021 11:45:30 AM
Surr: Terphenyl-d14 (surr)	87.9	39.1 - 145		%Rec	1	7/30/2021 11:45:30 AM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33175		Analyst: KT
Gasoline	ND	4.13		mg/Kg-dry	1	7/29/2021 7:49:42 PM
Surr: Toluene-d8	95.0	65 - 135		%Rec	1	7/29/2021 7:49:42 PM
Surr: 4-Bromofluorobenzene	86.5	65 - 135		%Rec	1	7/29/2021 7:49:42 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68908		Analyst: ALB
Percent Moisture	8.41	0.500		wt%	1	7/29/2021 3:48:00 PM



CLIENT: Aspect Consulting
Project: Schnitzer Ariste

Lab ID: 2107474-002

Collection Date: 7/29/2021 7:10:00 AM

Client Sample ID: Art-N03-W07-151

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33169

Analyst: MM

Diesel (Fuel Oil)	ND	49.8		mg/Kg-dry	1	7/29/2021 9:18:12 PM
Heavy Oil	ND	99.6		mg/Kg-dry	1	7/29/2021 9:18:12 PM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	7/29/2021 9:18:12 PM
Surr: 2-Fluorobiphenyl	84.4	50 - 150		%Rec	1	7/29/2021 9:18:12 PM
Surr: o-Terphenyl	92.7	50 - 150		%Rec	1	7/29/2021 9:18:12 PM

Polycyclic Aromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 33176

Analyst: SB

Benz(a)anthracene	ND	19.2		µg/Kg-dry	1	7/30/2021 12:07:14 PM
Chrysene	ND	38.4		µg/Kg-dry	1	7/30/2021 12:07:14 PM
Benzo(b)fluoranthene	ND	19.2		µg/Kg-dry	1	7/30/2021 12:07:14 PM
Benzo(k)fluoranthene	ND	19.2		µg/Kg-dry	1	7/30/2021 12:07:14 PM
Benzo(a)pyrene	ND	19.2		µg/Kg-dry	1	7/30/2021 12:07:14 PM
Indeno(1,2,3-cd)pyrene	ND	38.4		µg/Kg-dry	1	7/30/2021 12:07:14 PM
Dibenz(a,h)anthracene	ND	38.4		µg/Kg-dry	1	7/30/2021 12:07:14 PM
Surr: 2-Fluorobiphenyl	86.9	27.9 - 129		%Rec	1	7/30/2021 12:07:14 PM
Surr: Terphenyl-d14 (surr)	94.4	39.1 - 145		%Rec	1	7/30/2021 12:07:14 PM

Gasoline by NWTPH-Gx

Batch ID: 33175

Analyst: KT

Gasoline	ND	4.31		mg/Kg-dry	1	7/29/2021 8:19:50 PM
Surr: Toluene-d8	96.5	65 - 135		%Rec	1	7/29/2021 8:19:50 PM
Surr: 4-Bromofluorobenzene	85.7	65 - 135		%Rec	1	7/29/2021 8:19:50 PM

Sample Moisture (Percent Moisture)

Batch ID: R68908

Analyst: ALB

Percent Moisture	8.44	0.500		wt%	1	7/29/2021 3:48:00 PM
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CLIENT: Aspect Consulting
Project: Schnitzer Ariste

Lab ID: 2107474-003

Collection Date: 7/29/2021 7:20:00 AM

Client Sample ID: Art-W23-W06-151

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33169	Analyst: MM
Diesel (Fuel Oil)	ND	51.2		mg/Kg-dry	1	7/29/2021 9:44:04 PM
Heavy Oil	ND	102		mg/Kg-dry	1	7/29/2021 9:44:04 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	7/29/2021 9:44:04 PM
Surr: 2-Fluorobiphenyl	81.7	50 - 150		%Rec	1	7/29/2021 9:44:04 PM
Surr: o-Terphenyl	93.1	50 - 150		%Rec	1	7/29/2021 9:44:04 PM
<u>Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)</u>					Batch ID: 33176	Analyst: SB
Benz(a)anthracene	ND	20.4		µg/Kg-dry	1	7/30/2021 12:28:55 PM
Chrysene	ND	40.7		µg/Kg-dry	1	7/30/2021 12:28:55 PM
Benzo(b)fluoranthene	ND	20.4		µg/Kg-dry	1	7/30/2021 12:28:55 PM
Benzo(k)fluoranthene	ND	20.4		µg/Kg-dry	1	7/30/2021 12:28:55 PM
Benzo(a)pyrene	ND	20.4		µg/Kg-dry	1	7/30/2021 12:28:55 PM
Indeno(1,2,3-cd)pyrene	ND	40.7		µg/Kg-dry	1	7/30/2021 12:28:55 PM
Dibenz(a,h)anthracene	ND	40.7		µg/Kg-dry	1	7/30/2021 12:28:55 PM
Surr: 2-Fluorobiphenyl	82.7	27.9 - 129		%Rec	1	7/30/2021 12:28:55 PM
Surr: Terphenyl-d14 (surr)	85.1	39.1 - 145		%Rec	1	7/30/2021 12:28:55 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33175	Analyst: KT
Gasoline	ND	4.02		mg/Kg-dry	1	7/29/2021 8:49:58 PM
Surr: Toluene-d8	94.9	65 - 135		%Rec	1	7/29/2021 8:49:58 PM
Surr: 4-Bromofluorobenzene	86.6	65 - 135		%Rec	1	7/29/2021 8:49:58 PM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68908	Analyst: ALB
Percent Moisture	7.10	0.500		wt%	1	7/29/2021 3:48:00 PM

Work Order: 2107474
CLIENT: Aspect Consulting
Project: Schnitzer Ariste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33169	SampType: MBLK	Units: mg/Kg				Prep Date: 7/29/2021	RunNo: 68910				
Client ID: MBLKS	Batch ID: 33169					Analysis Date: 7/29/2021	SeqNo: 1394190				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.91		10.00		99.1	50	150				
Surr: o-Terphenyl	10.6		10.00		106	50	150				

Sample ID: LCS-33169	SampType: LCS	Units: mg/Kg				Prep Date: 7/29/2021	RunNo: 68910				
Client ID: LCSS	Batch ID: 33169					Analysis Date: 7/29/2021	SeqNo: 1394164				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	549	150	500.0	0	110	77.2	122				
Surr: 2-Fluorobiphenyl	11.7		10.00		117	50	150				
Surr: o-Terphenyl	13.9		10.00		139	50	150				

Sample ID: 2107454-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/29/2021	RunNo: 68910				
Client ID: BATCH	Batch ID: 33169					Analysis Date: 7/29/2021	SeqNo: 1394191				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	557	160	534.9	0	104	68	132				
Surr: 2-Fluorobiphenyl	9.03		10.70		84.4	50	150				
Surr: o-Terphenyl	10.5		10.70		98.0	50	150				

Sample ID: 2107454-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/29/2021	RunNo: 68910				
Client ID: BATCH	Batch ID: 33169					Analysis Date: 7/29/2021	SeqNo: 1394166				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	493	147	491.0	0	100	68	132	0	0	30	
Surr: 2-Fluorobiphenyl	8.71		9.821		88.7	50	150		0		
Surr: o-Terphenyl	11.0		9.821		112	50	150		0		

Work Order: 2107474
 CLIENT: Aspect Consulting
 Project: Schnitzer Ariste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2107454-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/29/2021	RunNo: 68910							
Client ID: BATCH	Batch ID: 33169	Analysis Date: 7/29/2021	SeqNo: 1394166								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2107466-006ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/29/2021	RunNo: 68910							
Client ID: BATCH	Batch ID: 33169	Analysis Date: 7/29/2021	SeqNo: 1394492								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	45.4						0		30	
Heavy Oil	ND	90.8						0		30	
Total Petroleum Hydrocarbons	ND	136						0		30	
Surr: 2-Fluorobiphenyl	7.78		9.084		85.7	50	150		0		
Surr: o-Terphenyl	8.48		9.084		93.4	50	150		0		

Work Order: 2107474
 CLIENT: Aspect Consulting
 Project: Schnitzer Ariste

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-33176	SampType: MBLK	Units: µg/Kg	Prep Date: 7/29/2021	RunNo: 68923							
Client ID: MBLKS	Batch ID: 33176	Analysis Date: 7/30/2021	SeqNo: 1394561								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Surr: 2-Fluorobiphenyl	1,040		1,000		104	27.9	129				
Surr: Terphenyl-d14 (surr)	1,180		1,000		118	39.1	145				

Sample ID: LCS-33176	SampType: LCS	Units: µg/Kg	Prep Date: 7/29/2021	RunNo: 68923							
Client ID: LCSS	Batch ID: 33176	Analysis Date: 7/30/2021	SeqNo: 1394562								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,790	20.0	2,000	0	89.6	68.1	109				
Chrysene	1,820	40.0	2,000	0	91.1	61.5	109				
Benzo(b)fluoranthene	1,720	20.0	2,000	0	85.8	62.9	116				
Benzo(k)fluoranthene	1,820	20.0	2,000	0	90.9	62.2	112				
Benzo(a)pyrene	1,880	20.0	2,000	0	93.9	69.2	123				
Indeno(1,2,3-cd)pyrene	1,710	40.0	2,000	0	85.6	68.9	109				
Dibenz(a,h)anthracene	1,750	40.0	2,000	0	87.5	68.6	113				
Surr: 2-Fluorobiphenyl	907		1,000		90.7	27.9	129				
Surr: Terphenyl-d14 (surr)	965		1,000		96.5	39.1	145				

Sample ID: 2107474-003AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 7/29/2021	RunNo: 68923							
Client ID: Art-W23-W06-151	Batch ID: 33176	Analysis Date: 7/30/2021	SeqNo: 1394566								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	386	20.3	405.4	0	95.2	45	110				

Work Order: 2107474
 CLIENT: Aspect Consulting
 Project: Schnitzer Ariste

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2107474-003AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 7/29/2021	RunNo: 68923							
Client ID: Art-W23-W06-151	Batch ID: 33176	Analysis Date: 7/30/2021	SeqNo: 1394566								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	406	40.5	405.4	0	100	42.4	106				
Benzo(b)fluoranthene	364	20.3	405.4	0	89.7	43.7	108				
Benzo(k)fluoranthene	394	20.3	405.4	0	97.1	39.5	113				
Benzo(a)pyrene	394	20.3	405.4	0	97.2	44.1	122				
Indeno(1,2,3-cd)pyrene	364	40.5	405.4	0	89.8	40.2	109				
Dibenz(a,h)anthracene	369	40.5	405.4	0	91.0	31.4	126				
Surr: 2-Fluorobiphenyl	910		1,014		89.8	27.9	129				
Surr: Terphenyl-d14 (surr)	924		1,014		91.1	39.1	145				

Sample ID: 2107474-003AMSD	SampType: MSD	Units: µg/Kg-dry	Prep Date: 7/29/2021	RunNo: 68923							
Client ID: Art-W23-W06-151	Batch ID: 33176	Analysis Date: 7/30/2021	SeqNo: 1394567								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	302	20.5	307.8	0	98.0	45	110	386.0	24.5	30	
Chrysene	311	41.0	307.8	0	101	42.4	106	406.0	26.6	30	
Benzo(b)fluoranthene	271	20.5	307.8	0	88.2	43.7	108	363.8	29.1	30	
Benzo(k)fluoranthene	316	20.5	307.8	0	103	39.5	113	393.6	22.0	30	
Benzo(a)pyrene	306	20.5	307.8	0	99.4	44.1	122	394.1	25.1	30	
Indeno(1,2,3-cd)pyrene	290	41.0	307.8	0	94.3	40.2	109	363.9	22.5	30	
Dibenz(a,h)anthracene	288	41.0	307.8	0	93.6	31.4	126	369.0	24.6	30	
Surr: 2-Fluorobiphenyl	945		1,026		92.1	27.9	129		0		
Surr: Terphenyl-d14 (surr)	955		1,026		93.1	39.1	145		0		

Work Order: 2107474
CLIENT: Aspect Consulting
Project: Schnitzer Ariste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33175	SampType: LCS	Units: mg/Kg			Prep Date: 7/29/2021	RunNo: 68914					
Client ID: LCSS	Batch ID: 33175				Analysis Date: 7/29/2021	SeqNo: 1394310					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	22.2	5.00	25.00	0	89.0	65	135				
Surr: Toluene-d8	1.24		1.250		99.1	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		99.8	65	135				

Sample ID: MB-33175	SampType: MBLK	Units: mg/Kg			Prep Date: 7/29/2021	RunNo: 68914					
Client ID: MBLKS	Batch ID: 33175				Analysis Date: 7/29/2021	SeqNo: 1394311					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.21		1.250		96.5	65	135				
Surr: 4-Bromofluorobenzene	1.08		1.250		86.8	65	135				

Sample ID: 2107466-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/29/2021	RunNo: 68914					
Client ID: BATCH	Batch ID: 33175				Analysis Date: 7/29/2021	SeqNo: 1394296					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.38						0		30	
Surr: Toluene-d8	1.31		1.346		97.3	65	135		0		
Surr: 4-Bromofluorobenzene	1.17		1.346		86.7	65	135		0		

Sample ID: 2107474-002BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 7/29/2021	RunNo: 68914					
Client ID: Art-N03-W07-151	Batch ID: 33175				Analysis Date: 7/29/2021	SeqNo: 1394304					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	19.1	4.31	21.56	0	88.7	65	135				
Surr: Toluene-d8	1.06		1.078		98.7	65	135				
Surr: 4-Bromofluorobenzene	1.07		1.078		99.5	65	135				

Work Order: 2107474
CLIENT: Aspect Consulting
Project: Schnitzer Ariste

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2107478-001BDUP	SampType: DUP	Units: mg/Kg		Prep Date: 7/29/2021	RunNo: 68914						
Client ID: BATCH	Batch ID: 33175			Analysis Date: 7/29/2021	SeqNo: 1394307						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.31						0		30	
Surr: Toluene-d8	1.27		1.328		95.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.14		1.328		85.6	65	135		0		

Client Name: AC	Work Order Number: 2107474
Logged by: Gabrielle Coeuille	Date Received: 7/29/2021 11:50:23 AM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	1.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 7/29/2021 Page: 1 of 1
Project Name: SWMTZ Art Site

Project No: 190298

Collected by: DRIS

Location:

Report To (PM): Mikamela Casper@fremontanalytical.com

PM Email:

Laboratory Project No (Internal): 206744784
Special Remarks: OK-7/29

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analysis Parameters													Comments
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	SVOcs (EPA 8270 / 625)	CPAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)			
1 Art-N05-W06-151	7/29/21	0700	Soil	3	X	X	X	X	X	X	X	X	X	X	X			
2 Art-N03-W03-151		0710																
3 Art-W23-W06-151		0720																
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Print Name _____ Date/Time _____

Relinquished (Signature) _____ Print Name _____ Date/Time _____

Relinquished (Signature) _____ Print Name _____ Date/Time _____

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artiste

Work Order Number: 2108082

August 06, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 8/5/2021 for the analyses presented in the following report.

***Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Aspect Consulting
Project: Schnitzer Artiste
Work Order: 2108082

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108082-001	Art-N31-W11-163	08/05/2021 9:55 AM	08/05/2021 12:58 PM
2108082-002	Art-N33-W11-163	08/05/2021 10:00 AM	08/05/2021 12:58 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artiste

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artiste

Lab ID: 2108082-001

Collection Date: 8/5/2021 9:55:00 AM

Client Sample ID: Art-N31-W11-163

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33257 Analyst: MM

Diesel (Fuel Oil)	145	48.6		mg/Kg-dry	1	8/6/2021 9:39:27 AM
Heavy Oil	ND	97.2		mg/Kg-dry	1	8/6/2021 9:39:27 AM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	8/6/2021 9:39:27 AM
Surr: 2-Fluorobiphenyl	96.7	50 - 150		%Rec	1	8/6/2021 9:39:27 AM
Surr: o-Terphenyl	105	50 - 150		%Rec	1	8/6/2021 9:39:27 AM

Sample Moisture (Percent Moisture)

Batch ID: R69044 Analyst: cb

Percent Moisture	4.56	0.500		wt%	1	8/5/2021 1:30:55 PM
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Lab ID: 2108082-002

Collection Date: 8/5/2021 10:00:00 AM

Client Sample ID: Art-N33-W11-163

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33257 Analyst: MM

Diesel (Fuel Oil)	57.5	48.9		mg/Kg-dry	1	8/6/2021 9:52:17 AM
Heavy Oil	ND	97.8		mg/Kg-dry	1	8/6/2021 9:52:17 AM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	8/6/2021 9:52:17 AM
Surr: 2-Fluorobiphenyl	92.3	50 - 150		%Rec	1	8/6/2021 9:52:17 AM
Surr: o-Terphenyl	101	50 - 150		%Rec	1	8/6/2021 9:52:17 AM

Sample Moisture (Percent Moisture)

Batch ID: R69044 Analyst: cb

Percent Moisture	6.75	0.500		wt%	1	8/5/2021 1:30:55 PM
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Work Order: 2108082
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33257	SampType: MBLK	Units: mg/Kg				Prep Date: 8/5/2021	RunNo: 69042				
Client ID: MBLKS	Batch ID: 33257					Analysis Date: 8/6/2021	SeqNo: 1398167				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.87		10.00		98.7	50	150				
Surr: o-Terphenyl	10.7		10.00		107	50	150				

Sample ID: LCS-33257	SampType: LCS	Units: mg/Kg				Prep Date: 8/5/2021	RunNo: 69042				
Client ID: LCSS	Batch ID: 33257					Analysis Date: 8/6/2021	SeqNo: 1398168				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	515	150	500.0	0	103	77.2	122				
Surr: 2-Fluorobiphenyl	10.4		10.00		104	50	150				
Surr: o-Terphenyl	12.3		10.00		123	50	150				

Sample ID: 2108082-002AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/5/2021	RunNo: 69042				
Client ID: Art-N33-W11-163	Batch ID: 33257					Analysis Date: 8/6/2021	SeqNo: 1398171				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	457	139	464.2	122.7	72.1	68	132				
Surr: 2-Fluorobiphenyl	7.88		9.285		84.9	50	150				
Surr: o-Terphenyl	11.0		9.285		118	50	150				

Sample ID: 2108082-002AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/5/2021	RunNo: 69042				
Client ID: Art-N33-W11-163	Batch ID: 33257					Analysis Date: 8/6/2021	SeqNo: 1398172				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	514	145	483.9	122.7	80.8	68	132	457.3	11.7	30	
Surr: 2-Fluorobiphenyl	8.63		9.679		89.2	50	150		0		
Surr: o-Terphenyl	11.1		9.679		114	50	150		0		

Work Order: 2108082
CLIENT: Aspect Consulting
Project: Schnitzer Artiste

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108082-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/5/2021	RunNo: 69042							
Client ID: Art-N33-W11-163	Batch ID: 33257		Analysis Date: 8/6/2021	SeqNo: 1398172							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client Name: **AC**

 Work Order Number: **2108082**

 Logged by: **Brianna Barnes**

 Date Received: **8/5/2021 12:58:44 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/5/21 Page: 1 of 1

Project Name: SHAWNEE AVENUE

Project No: 190298

Collected by: JRS

Location:

Report To (PM): All Labwork

PM Email: cwohman@astekonsulting.com

Laboratory Project No (Internal): 2108082

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analysis Parameters										Comments					
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)		Anions (IC)***	EDB (8011)			
1 AFT-131-111-163	8/5/21	0955	soil	3				X												
2 AFT-133-111-163		1600																		
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Date/Time _____ Print Name _____

Relinquished (Signature) _____ Date/Time _____ Print Name _____

Relinquished (Signature) _____ Date/Time _____ Print Name _____

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify) _____



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer
Work Order Number: 2108094

August 06, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 8/6/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager



CLIENT: Aspect Consulting
Project: Schnitzer
Work Order: 2108094

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108094-001	Art-W21-W14-150	08/05/2021 3:00 PM	08/06/2021 9:44 AM
2108094-002	Art-W18-W13-150	08/05/2021 3:15 PM	08/06/2021 9:44 AM
2108094-003	Art-N27-W11-160	08/06/2021 8:15 AM	08/06/2021 9:44 AM
2108094-004	Art-N32-W11-160	08/06/2021 8:20 AM	08/06/2021 9:44 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 8/5/2021 3:00:00 PM

Project: Schnitzer

Lab ID: 2108094-001

Matrix: Soil

Client Sample ID: Art-W21-W14-150

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33269 Analyst: MM

Diesel (Fuel Oil)	ND	48.4		mg/Kg-dry	1	8/6/2021 1:38:33 PM
Heavy Oil	291	96.8		mg/Kg-dry	1	8/6/2021 1:38:33 PM
Total Petroleum Hydrocarbons	291	145		mg/Kg-dry	1	8/6/2021 1:38:33 PM
Surr: 2-Fluorobiphenyl	80.5	50 - 150		%Rec	1	8/6/2021 1:38:33 PM
Surr: o-Terphenyl	90.4	50 - 150		%Rec	1	8/6/2021 1:38:33 PM

Gasoline by NWTPH-Gx

Batch ID: 33264 Analyst: CR

Gasoline	ND	4.07		mg/Kg-dry	1	8/6/2021 12:19:29 PM
Surr: Toluene-d8	94.5	65 - 135		%Rec	1	8/6/2021 12:19:29 PM
Surr: 4-Bromofluorobenzene	89.5	65 - 135		%Rec	1	8/6/2021 12:19:29 PM

Sample Moisture (Percent Moisture)

Batch ID: R69054 Analyst: cb

Percent Moisture	5.91	0.500		wt%	1	8/6/2021 9:39:45 AM
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Client: Aspect Consulting

Collection Date: 8/5/2021 3:15:00 PM

Project: Schnitzer

Lab ID: 2108094-002

Matrix: Soil

Client Sample ID: Art-W18-W13-150

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33269 Analyst: MM

Diesel (Fuel Oil)	ND	50.9		mg/Kg-dry	1	8/6/2021 2:04:30 PM
Heavy Oil	ND	102		mg/Kg-dry	1	8/6/2021 2:04:30 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	8/6/2021 2:04:30 PM
Surr: 2-Fluorobiphenyl	87.5	50 - 150		%Rec	1	8/6/2021 2:04:30 PM
Surr: o-Terphenyl	95.3	50 - 150		%Rec	1	8/6/2021 2:04:30 PM

Gasoline by NWTPH-Gx

Batch ID: 33264 Analyst: CR

Gasoline	ND	4.18		mg/Kg-dry	1	8/6/2021 12:49:37 PM
Surr: Toluene-d8	96.5	65 - 135		%Rec	1	8/6/2021 12:49:37 PM
Surr: 4-Bromofluorobenzene	88.0	65 - 135		%Rec	1	8/6/2021 12:49:37 PM

Sample Moisture (Percent Moisture)

Batch ID: R69054 Analyst: cb

Percent Moisture	6.57	0.500		wt%	1	8/6/2021 9:39:45 AM
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Client: Aspect Consulting

Collection Date: 8/6/2021 8:15:00 AM

Project: Schnitzer

Lab ID: 2108094-003

Matrix: Soil

Client Sample ID: Art-N27-W11-160

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33269

Analyst: MM

Diesel (Fuel Oil)	ND	54.7		mg/Kg-dry	1	8/6/2021 2:17:26 PM
Heavy Oil	ND	109		mg/Kg-dry	1	8/6/2021 2:17:26 PM
Total Petroleum Hydrocarbons	ND	164		mg/Kg-dry	1	8/6/2021 2:17:26 PM
Surr: 2-Fluorobiphenyl	91.6	50 - 150		%Rec	1	8/6/2021 2:17:26 PM
Surr: o-Terphenyl	102	50 - 150		%Rec	1	8/6/2021 2:17:26 PM

Sample Moisture (Percent Moisture)

Batch ID: R69054

Analyst: cb

Percent Moisture	15.2	0.500		wt%	1	8/6/2021 9:39:45 AM
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Client: Aspect Consulting

Collection Date: 8/6/2021 8:20:00 AM

Project: Schnitzer

Lab ID: 2108094-004

Matrix: Soil

Client Sample ID: Art-N32-W11-160

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33269

Analyst: MM

Diesel (Fuel Oil)	ND	51.2		mg/Kg-dry	1	8/6/2021 2:43:25 PM
Heavy Oil	ND	102		mg/Kg-dry	1	8/6/2021 2:43:25 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	8/6/2021 2:43:25 PM
Surr: 2-Fluorobiphenyl	85.1	50 - 150		%Rec	1	8/6/2021 2:43:25 PM
Surr: o-Terphenyl	93.8	50 - 150		%Rec	1	8/6/2021 2:43:25 PM

Sample Moisture (Percent Moisture)

Batch ID: R69054

Analyst: cb

Percent Moisture	7.79	0.500		wt%	1	8/6/2021 9:39:45 AM
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Work Order: 2108094
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33269	SampType: MBLK	Units: mg/Kg				Prep Date: 8/6/2021	RunNo: 69073				
Client ID: MBLKS	Batch ID: 33269					Analysis Date: 8/6/2021	SeqNo: 1398474				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	10.1		10.00		101	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: LCS-33269	SampType: LCS	Units: mg/Kg				Prep Date: 8/6/2021	RunNo: 69073				
Client ID: LCSS	Batch ID: 33269					Analysis Date: 8/6/2021	SeqNo: 1398475				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	543	150	500.0	0	109	77.2	122				
Surr: 2-Fluorobiphenyl	8.78		10.00		87.8	50	150				
Surr: o-Terphenyl	11.7		10.00		117	50	150				

Sample ID: 2108088-001ADUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 8/6/2021	RunNo: 69073				
Client ID: BATCH	Batch ID: 33269					Analysis Date: 8/6/2021	SeqNo: 1398481				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	55.5						0		30	
Heavy Oil	ND	111						0		30	
Total Petroleum Hydrocarbons	ND	166						0		30	
Surr: 2-Fluorobiphenyl	10.4		11.09		94.1	50	150		0		
Surr: o-Terphenyl	11.1		11.09		100	50	150		0		

Work Order: 2108094
CLIENT: Aspect Consulting
Project: Schnitzer

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: MB-33264	SampType: MBLK	Units: mg/Kg			Prep Date: 8/6/2021	RunNo: 69072					
Client ID: MBLKS	Batch ID: 33264				Analysis Date: 8/6/2021	SeqNo: 1398400					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.19		1.250		95.6	65	135				
Surr: 4-Bromofluorobenzene	1.10		1.250		88.3	65	135				

Sample ID: 2108094-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/6/2021	RunNo: 69072					
Client ID: Art-W18-W13-150	Batch ID: 33264				Analysis Date: 8/6/2021	SeqNo: 1398396					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.18						0		30	
Surr: Toluene-d8	0.992		1.044		95.1	65	135		0		
Surr: 4-Bromofluorobenzene	0.918		1.044		87.9	65	135		0		

Sample ID: 2108094-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 8/6/2021	RunNo: 69072					
Client ID: Art-W21-W14-150	Batch ID: 33264				Analysis Date: 8/6/2021	SeqNo: 1398394					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	16.7	4.07	20.37	0	82.2	65	135				
Surr: Toluene-d8	1.02		1.019		100	65	135				
Surr: 4-Bromofluorobenzene	1.06		1.019		105	65	135				

Sample ID: LCS-33264	SampType: LCS	Units: mg/Kg			Prep Date: 8/6/2021	RunNo: 69072					
Client ID: LCSS	Batch ID: 33264				Analysis Date: 8/6/2021	SeqNo: 1398399					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	21.0	5.00	25.00	0	83.8	65	135				
Surr: Toluene-d8	1.25		1.250		99.8	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Client Name: AC	Work Order Number: 2108094
Logged by: Clare Griggs	Date Received: 8/6/2021 9:44:00 AM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/5/21 Page: 1 of 1

Project Name: Shuttle

Project No: 190298

Collected by: DZS

Location: Report To (PM): All Cashes

PM Email: acashes@fremontanalytical.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Laboratory Project No (Internal):

2108094

Special Remarks:

Client: Aspro Consulting

Address:

Telephone: 316-617-0494

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 A-T-W21-W14-150	8/5/21	1500	Soil	3	X	X	X	X	X	X	X	X	X	X	X	X	
2 A-T-W21-W13-150	↓	1518	↓	↓	X	X	X	X	X	X	X	X	X	X	X	X	
3 A-T-W21-W11-160	8/6/21	0815	Soil	3													
4 A-T-W21-W11-160	↓	0820	↓	↓													
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Daniel	8/6/21	<i>[Signature]</i>	Jay Egnor	8/6/21 8:40
			<i>[Signature]</i>	Justin Matz	8/6 9:44



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer

Work Order Number: 2108114

August 10, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 8/6/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Mercury by EPA Method 7471

Sample Moisture (Percent Moisture)

Total Metals by EPA Method 6020B

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original

CLIENT: Aspect Consulting
Project: Schnitzer
Work Order: 2108114

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108114-001	Art-N19-W03-148	08/06/2021 4:10 PM	08/06/2021 5:00 PM
2108114-002	Art-N21-W01-148	08/06/2021 4:05 PM	08/06/2021 5:00 PM
2108114-003	Art-N28-W03-151	08/06/2021 3:55 PM	08/06/2021 5:00 PM
2108114-004	Art-N25-W02-151	08/06/2021 4:00 PM	08/06/2021 5:00 PM
2108114-005	Art-TB-06	07/14/2021 10:44 AM	08/06/2021 5:00 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 8/6/2021 4:10:00 PM

Project: Schnitzer

Lab ID: 2108114-001

Matrix: Soil

Client Sample ID: Art-N19-W03-148

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33282 Analyst: SG

Diesel (Fuel Oil)	ND	52.6		mg/Kg-dry	1	8/9/2021 10:49:07 AM
Heavy Oil	ND	105		mg/Kg-dry	1	8/9/2021 10:49:07 AM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	8/9/2021 10:49:07 AM
Surr: 2-Fluorobiphenyl	83.9	50 - 150		%Rec	1	8/9/2021 10:49:07 AM
Surr: o-Terphenyl	95.9	50 - 150		%Rec	1	8/9/2021 10:49:07 AM

Gasoline by NWTPH-Gx

Batch ID: 33289 Analyst: KT

Gasoline	ND	4.03		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	8/9/2021 3:50:05 PM
Surr: 4-Bromofluorobenzene	89.4	65 - 135		%Rec	1	8/9/2021 3:50:05 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0403	Q	mg/Kg-dry	1	8/9/2021 3:50:05 PM
Chloromethane	ND	0.0645	Q	mg/Kg-dry	1	8/9/2021 3:50:05 PM
Vinyl chloride	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Bromomethane	ND	0.121		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Trichlorofluoromethane (CFC-11)	ND	0.0403		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Chloroethane	ND	0.0968		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,1-Dichloroethene	ND	0.0807		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Acetone	ND	0.403		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Methylene chloride	ND	0.0121		mg/Kg-dry	1	8/9/2021 3:50:05 PM
trans-1,2-Dichloroethene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Methyl tert-butyl ether (MTBE)	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,1-Dichloroethane	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
cis-1,2-Dichloroethene	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
(MEK) 2-Butanone	ND	0.363		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Chloroform	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,1,1-Trichloroethane (TCA)	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,1-Dichloropropene	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Carbon tetrachloride	ND	0.0605		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,2-Dichloroethane (EDC)	ND	0.0186		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Benzene	ND	0.0161		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Trichloroethene (TCE)	ND	0.0161		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,2-Dichloropropane	ND	0.0161		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Bromodichloromethane	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Dibromomethane	ND	0.0161		mg/Kg-dry	1	8/9/2021 3:50:05 PM
cis-1,3-Dichloropropene	ND	0.0645		mg/Kg-dry	1	8/9/2021 3:50:05 PM



Client: Aspect Consulting

Collection Date: 8/6/2021 4:10:00 PM

Project: Schnitzer

Lab ID: 2108114-001

Matrix: Soil

Client Sample ID: Art-N19-W03-148

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289

Analyst: KT

Toluene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Trans-1,3-Dichloropropylene	ND	0.0403		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0605		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,1,2-Trichloroethane	ND	0.0137		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,3-Dichloropropane	ND	0.0161		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Tetrachloroethene (PCE)	ND	0.0323		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Dibromochloromethane	ND	0.0161		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,2-Dibromoethane (EDB)	ND	0.00807		mg/Kg-dry	1	8/9/2021 3:50:05 PM
2-Hexanone (MBK)	ND	0.0484	Q	mg/Kg-dry	1	8/9/2021 3:50:05 PM
Chlorobenzene	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,1,1,2-Tetrachloroethane	ND	0.0161		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Ethylbenzene	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
m,p-Xylene	ND	0.0403		mg/Kg-dry	1	8/9/2021 3:50:05 PM
o-Xylene	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Styrene	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Isopropylbenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Bromoform	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,1,2,2-Tetrachloroethane	ND	0.0121	Q	mg/Kg-dry	1	8/9/2021 3:50:05 PM
n-Propylbenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Bromobenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,3,5-Trimethylbenzene	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
2-Chlorotoluene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
4-Chlorotoluene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
tert-Butylbenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,2,3-Trichloropropane	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,2,4-Trichlorobenzene	ND	0.0323		mg/Kg-dry	1	8/9/2021 3:50:05 PM
sec-Butylbenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
4-Isopropyltoluene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,3-Dichlorobenzene	ND	0.0282		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,4-Dichlorobenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
n-Butylbenzene	ND	0.0323		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,2-Dichlorobenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,2-Dibromo-3-chloropropane	ND	0.0484		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,2,4-Trimethylbenzene	ND	0.0202		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Hexachloro-1,3-butadiene	ND	0.0403		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Naphthalene	ND	0.0807		mg/Kg-dry	1	8/9/2021 3:50:05 PM
1,2,3-Trichlorobenzene	ND	0.0403		mg/Kg-dry	1	8/9/2021 3:50:05 PM
Surr: Dibromofluoromethane	99.2	75.5 - 119		%Rec	1	8/9/2021 3:50:05 PM
Surr: Toluene-d8	94.4	82.4 - 115		%Rec	1	8/9/2021 3:50:05 PM



Client: Aspect Consulting

Collection Date: 8/6/2021 4:10:00 PM

Project: Schnitzer

Lab ID: 2108114-001

Matrix: Soil

Client Sample ID: Art-N19-W03-148

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene 97.1 78.5 - 118 %Rec 1 8/9/2021 3:50:05 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria

Mercury by EPA Method 7471

Batch ID: 33296 Analyst: CH

Mercury ND 0.260 mg/Kg-dry 1 8/10/2021 1:21:56 PM

Total Metals by EPA Method 6020B

Batch ID: 33283 Analyst: TN

Arsenic	2.26	0.106		mg/Kg-dry	1	8/9/2021 5:53:02 PM
Barium	51.6	0.529		mg/Kg-dry	1	8/10/2021 3:38:37 PM
Cadmium	ND	0.176		mg/Kg-dry	1	8/10/2021 3:38:37 PM
Chromium	22.5	0.352		mg/Kg-dry	1	8/9/2021 5:53:02 PM
Lead	1.77	0.176		mg/Kg-dry	1	8/9/2021 5:53:02 PM
Selenium	0.630	0.176		mg/Kg-dry	1	8/9/2021 5:53:02 PM
Silver	ND	0.132		mg/Kg-dry	1	8/9/2021 5:53:02 PM

Sample Moisture (Percent Moisture)

Batch ID: R69082 Analyst: OK

Percent Moisture 9.19 wt% 1 8/9/2021 8:47:38 AM



Client: Aspect Consulting

Collection Date: 8/6/2021 4:05:00 PM

Project: Schnitzer

Lab ID: 2108114-002

Matrix: Soil

Client Sample ID: Art-N21-W01-148

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33282 Analyst: SG

Diesel (Fuel Oil)	ND	52.2		mg/Kg-dry	1	8/9/2021 11:01:57 AM
Heavy Oil	ND	104		mg/Kg-dry	1	8/9/2021 11:01:57 AM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	8/9/2021 11:01:57 AM
Surr: 2-Fluorobiphenyl	84.4	50 - 150		%Rec	1	8/9/2021 11:01:57 AM
Surr: o-Terphenyl	84.1	50 - 150		%Rec	1	8/9/2021 11:01:57 AM

Gasoline by NWTPH-Gx

Batch ID: 33289 Analyst: KT

Gasoline	ND	4.25		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	8/9/2021 4:52:19 PM
Surr: 4-Bromofluorobenzene	88.5	65 - 135		%Rec	1	8/9/2021 4:52:19 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0425	Q	mg/Kg-dry	1	8/9/2021 4:52:19 PM
Chloromethane	ND	0.0679	Q	mg/Kg-dry	1	8/9/2021 4:52:19 PM
Vinyl chloride	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Bromomethane	ND	0.127		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Trichlorofluoromethane (CFC-11)	ND	0.0425		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Chloroethane	ND	0.102		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,1-Dichloroethene	ND	0.0849		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Acetone	ND	0.425		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Methylene chloride	ND	0.0127		mg/Kg-dry	1	8/9/2021 4:52:19 PM
trans-1,2-Dichloroethene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Methyl tert-butyl ether (MTBE)	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,1-Dichloroethane	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
cis-1,2-Dichloroethene	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
(MEK) 2-Butanone	ND	0.382		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Chloroform	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,1,1-Trichloroethane (TCA)	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,1-Dichloropropene	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Carbon tetrachloride	ND	0.0637		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,2-Dichloroethane (EDC)	ND	0.0195		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Benzene	ND	0.0170		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Trichloroethene (TCE)	ND	0.0170		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,2-Dichloropropane	ND	0.0170		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Bromodichloromethane	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Dibromomethane	ND	0.0170		mg/Kg-dry	1	8/9/2021 4:52:19 PM
cis-1,3-Dichloropropene	ND	0.0679		mg/Kg-dry	1	8/9/2021 4:52:19 PM



Client: Aspect Consulting

Collection Date: 8/6/2021 4:05:00 PM

Project: Schnitzer

Lab ID: 2108114-002

Matrix: Soil

Client Sample ID: Art-N21-W01-148

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289

Analyst: KT

Toluene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Trans-1,3-Dichloropropylene	ND	0.0425		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0637		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,1,2-Trichloroethane	ND	0.0144		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,3-Dichloropropane	ND	0.0170		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Tetrachloroethene (PCE)	ND	0.0340		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Dibromochloromethane	ND	0.0170		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,2-Dibromoethane (EDB)	ND	0.00849		mg/Kg-dry	1	8/9/2021 4:52:19 PM
2-Hexanone (MBK)	ND	0.0510	Q	mg/Kg-dry	1	8/9/2021 4:52:19 PM
Chlorobenzene	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,1,1,2-Tetrachloroethane	ND	0.0170		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Ethylbenzene	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
m,p-Xylene	ND	0.0425		mg/Kg-dry	1	8/9/2021 4:52:19 PM
o-Xylene	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Styrene	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Isopropylbenzene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Bromoform	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,1,2,2-Tetrachloroethane	ND	0.0127	Q	mg/Kg-dry	1	8/9/2021 4:52:19 PM
n-Propylbenzene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Bromobenzene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,3,5-Trimethylbenzene	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
2-Chlorotoluene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
4-Chlorotoluene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
tert-Butylbenzene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,2,3-Trichloropropane	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,2,4-Trichlorobenzene	ND	0.0340		mg/Kg-dry	1	8/9/2021 4:52:19 PM
sec-Butylbenzene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
4-Isopropyltoluene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,3-Dichlorobenzene	ND	0.0297		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,4-Dichlorobenzene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
n-Butylbenzene	ND	0.0340		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,2-Dichlorobenzene	ND	0.0255		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,2-Dibromo-3-chloropropane	ND	0.0510		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,2,4-Trimethylbenzene	ND	0.0212		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Hexachloro-1,3-butadiene	ND	0.0425		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Naphthalene	ND	0.0849		mg/Kg-dry	1	8/9/2021 4:52:19 PM
1,2,3-Trichlorobenzene	ND	0.0425		mg/Kg-dry	1	8/9/2021 4:52:19 PM
Surr: Dibromofluoromethane	97.9	75.5 - 119		%Rec	1	8/9/2021 4:52:19 PM
Surr: Toluene-d8	94.2	82.4 - 115		%Rec	1	8/9/2021 4:52:19 PM



Client: Aspect Consulting

Collection Date: 8/6/2021 4:05:00 PM

Project: Schnitzer

Lab ID: 2108114-002

Matrix: Soil

Client Sample ID: Art-N21-W01-148

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene 96.4 78.5 - 118 %Rec 1 8/9/2021 4:52:19 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria

Mercury by EPA Method 7471

Batch ID: 33296 Analyst: CH

Mercury ND 0.260 mg/Kg-dry 1 8/10/2021 1:23:32 PM

Total Metals by EPA Method 6020B

Batch ID: 33283 Analyst: TN

Arsenic	2.60	0.105		mg/Kg-dry	1	8/9/2021 5:58:36 PM
Barium	59.5	0.525		mg/Kg-dry	1	8/10/2021 3:44:11 PM
Cadmium	ND	0.175		mg/Kg-dry	1	8/10/2021 3:44:11 PM
Chromium	26.3	0.350		mg/Kg-dry	1	8/9/2021 5:58:36 PM
Lead	2.39	0.175		mg/Kg-dry	1	8/9/2021 5:58:36 PM
Selenium	1.01	0.175		mg/Kg-dry	1	8/9/2021 5:58:36 PM
Silver	ND	0.131		mg/Kg-dry	1	8/9/2021 5:58:36 PM

Sample Moisture (Percent Moisture)

Batch ID: R69082 Analyst: OK

Percent Moisture 9.36 wt% 1 8/9/2021 8:47:38 AM



Client: Aspect Consulting

Collection Date: 8/6/2021 3:55:00 PM

Project: Schnitzer

Lab ID: 2108114-003

Matrix: Soil

Client Sample ID: Art-N28-W03-151

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33282 Analyst: SG

Diesel (Fuel Oil)	ND	49.3		mg/Kg-dry	1	8/9/2021 11:14:49 AM
Heavy Oil	ND	98.6		mg/Kg-dry	1	8/9/2021 11:14:49 AM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	8/9/2021 11:14:49 AM
Surr: 2-Fluorobiphenyl	86.8	50 - 150		%Rec	1	8/9/2021 11:14:49 AM
Surr: o-Terphenyl	90.0	50 - 150		%Rec	1	8/9/2021 11:14:49 AM

Gasoline by NWTPH-Gx

Batch ID: 33289 Analyst: KT

Gasoline	ND	3.95		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	8/9/2021 5:23:26 PM
Surr: 4-Bromofluorobenzene	89.8	65 - 135		%Rec	1	8/9/2021 5:23:26 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0395	Q	mg/Kg-dry	1	8/9/2021 5:23:26 PM
Chloromethane	ND	0.0632	Q	mg/Kg-dry	1	8/9/2021 5:23:26 PM
Vinyl chloride	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Bromomethane	ND	0.118		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Trichlorofluoromethane (CFC-11)	ND	0.0395		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Chloroethane	ND	0.0948		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,1-Dichloroethene	ND	0.0790		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Acetone	ND	0.395		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Methylene chloride	ND	0.0118		mg/Kg-dry	1	8/9/2021 5:23:26 PM
trans-1,2-Dichloroethene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Methyl tert-butyl ether (MTBE)	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,1-Dichloroethane	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
cis-1,2-Dichloroethene	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
(MEK) 2-Butanone	ND	0.355		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Chloroform	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,1,1-Trichloroethane (TCA)	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,1-Dichloropropene	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Carbon tetrachloride	ND	0.0592		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,2-Dichloroethane (EDC)	ND	0.0182		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Benzene	ND	0.0158		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Trichloroethene (TCE)	ND	0.0158		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,2-Dichloropropane	ND	0.0158		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Bromodichloromethane	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Dibromomethane	ND	0.0158		mg/Kg-dry	1	8/9/2021 5:23:26 PM
cis-1,3-Dichloropropene	ND	0.0632		mg/Kg-dry	1	8/9/2021 5:23:26 PM



Client: Aspect Consulting

Collection Date: 8/6/2021 3:55:00 PM

Project: Schnitzer

Lab ID: 2108114-003

Matrix: Soil

Client Sample ID: Art-N28-W03-151

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289

Analyst: KT

Toluene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Trans-1,3-Dichloropropylene	ND	0.0395		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0592		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,1,2-Trichloroethane	ND	0.0134		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,3-Dichloropropane	ND	0.0158		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Tetrachloroethene (PCE)	0.0357	0.0316		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Dibromochloromethane	ND	0.0158		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,2-Dibromoethane (EDB)	ND	0.00790		mg/Kg-dry	1	8/9/2021 5:23:26 PM
2-Hexanone (MBK)	ND	0.0474	Q	mg/Kg-dry	1	8/9/2021 5:23:26 PM
Chlorobenzene	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,1,1,2-Tetrachloroethane	ND	0.0158		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Ethylbenzene	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
m,p-Xylene	ND	0.0395		mg/Kg-dry	1	8/9/2021 5:23:26 PM
o-Xylene	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Styrene	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Isopropylbenzene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Bromoform	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,1,2,2-Tetrachloroethane	ND	0.0118	Q	mg/Kg-dry	1	8/9/2021 5:23:26 PM
n-Propylbenzene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Bromobenzene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,3,5-Trimethylbenzene	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
2-Chlorotoluene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
4-Chlorotoluene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
tert-Butylbenzene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,2,3-Trichloropropane	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,2,4-Trichlorobenzene	ND	0.0316		mg/Kg-dry	1	8/9/2021 5:23:26 PM
sec-Butylbenzene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
4-Isopropyltoluene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,3-Dichlorobenzene	ND	0.0276		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,4-Dichlorobenzene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
n-Butylbenzene	ND	0.0316		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,2-Dichlorobenzene	ND	0.0237		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,2-Dibromo-3-chloropropane	ND	0.0474		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,2,4-Trimethylbenzene	ND	0.0197		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Hexachloro-1,3-butadiene	ND	0.0395		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Naphthalene	ND	0.0790		mg/Kg-dry	1	8/9/2021 5:23:26 PM
1,2,3-Trichlorobenzene	ND	0.0395		mg/Kg-dry	1	8/9/2021 5:23:26 PM
Surr: Dibromofluoromethane	99.7	75.5 - 119		%Rec	1	8/9/2021 5:23:26 PM
Surr: Toluene-d8	97.0	82.4 - 115		%Rec	1	8/9/2021 5:23:26 PM



Client: Aspect Consulting

Collection Date: 8/6/2021 3:55:00 PM

Project: Schnitzer

Lab ID: 2108114-003

Matrix: Soil

Client Sample ID: Art-N28-W03-151

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289

Analyst: KT

Surr: 1-Bromo-4-fluorobenzene

97.9

78.5 - 118

%Rec

1

8/9/2021 5:23:26 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria

Mercury by EPA Method 7471

Batch ID: 33296

Analyst: CH

Mercury

ND

0.261

mg/Kg-dry

1

8/10/2021 1:25:08 PM

Total Metals by EPA Method 6020B

Batch ID: 33283

Analyst: TN

Arsenic

2.10

0.0973

mg/Kg-dry

1

8/9/2021 6:04:10 PM

Barium

44.2

0.487

mg/Kg-dry

1

8/10/2021 3:49:44 PM

Cadmium

ND

0.162

mg/Kg-dry

1

8/10/2021 3:49:44 PM

Chromium

21.8

0.324

mg/Kg-dry

1

8/9/2021 6:04:10 PM

Lead

1.81

0.162

mg/Kg-dry

1

8/9/2021 6:04:10 PM

Selenium

0.661

0.162

mg/Kg-dry

1

8/9/2021 6:04:10 PM

Silver

ND

0.122

mg/Kg-dry

1

8/9/2021 6:04:10 PM

Sample Moisture (Percent Moisture)

Batch ID: R69082

Analyst: OK

Percent Moisture

7.97

wt%

1

8/9/2021 8:47:38 AM



Client: Aspect Consulting

Collection Date: 8/6/2021 4:00:00 PM

Project: Schnitzer

Lab ID: 2108114-004

Matrix: Soil

Client Sample ID: Art-N25-W02-151

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>						
					Batch ID: 33282	Analyst: SG
Diesel (Fuel Oil)	ND	49.1		mg/Kg-dry	1	8/9/2021 11:27:41 AM
Heavy Oil	ND	98.3		mg/Kg-dry	1	8/9/2021 11:27:41 AM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	8/9/2021 11:27:41 AM
Surr: 2-Fluorobiphenyl	84.7	50 - 150		%Rec	1	8/9/2021 11:27:41 AM
Surr: o-Terphenyl	86.6	50 - 150		%Rec	1	8/9/2021 11:27:41 AM

<u>Gasoline by NWTPH-Gx</u>						
					Batch ID: 33289	Analyst: KT
Gasoline	ND	4.04		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	8/9/2021 5:54:27 PM
Surr: 4-Bromofluorobenzene	88.8	65 - 135		%Rec	1	8/9/2021 5:54:27 PM

<u>Volatile Organic Compounds by EPA Method 8260D</u>						
					Batch ID: 33289	Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0404	Q	mg/Kg-dry	1	8/9/2021 5:54:27 PM
Chloromethane	ND	0.0646	Q	mg/Kg-dry	1	8/9/2021 5:54:27 PM
Vinyl chloride	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Bromomethane	ND	0.121		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Trichlorofluoromethane (CFC-11)	ND	0.0404		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Chloroethane	ND	0.0969		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,1-Dichloroethene	ND	0.0807		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Acetone	ND	0.404		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Methylene chloride	ND	0.0121		mg/Kg-dry	1	8/9/2021 5:54:27 PM
trans-1,2-Dichloroethene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Methyl tert-butyl ether (MTBE)	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,1-Dichloroethane	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
cis-1,2-Dichloroethene	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
(MEK) 2-Butanone	ND	0.363		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Chloroform	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,1,1-Trichloroethane (TCA)	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,1-Dichloropropene	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Carbon tetrachloride	ND	0.0605		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,2-Dichloroethane (EDC)	ND	0.0186		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Benzene	ND	0.0161		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Trichloroethene (TCE)	ND	0.0161		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,2-Dichloropropane	ND	0.0161		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Bromodichloromethane	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Dibromomethane	ND	0.0161		mg/Kg-dry	1	8/9/2021 5:54:27 PM
cis-1,3-Dichloropropene	ND	0.0646		mg/Kg-dry	1	8/9/2021 5:54:27 PM



Client: Aspect Consulting

Collection Date: 8/6/2021 4:00:00 PM

Project: Schnitzer

Lab ID: 2108114-004

Matrix: Soil

Client Sample ID: Art-N25-W02-151

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289

Analyst: KT

Toluene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Trans-1,3-Dichloropropylene	ND	0.0404		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0605		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,1,2-Trichloroethane	ND	0.0137		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,3-Dichloropropane	ND	0.0161		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Tetrachloroethene (PCE)	0.0805	0.0323		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Dibromochloromethane	ND	0.0161		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,2-Dibromoethane (EDB)	ND	0.00807		mg/Kg-dry	1	8/9/2021 5:54:27 PM
2-Hexanone (MBK)	ND	0.0484	Q	mg/Kg-dry	1	8/9/2021 5:54:27 PM
Chlorobenzene	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,1,1,2-Tetrachloroethane	ND	0.0161		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Ethylbenzene	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
m,p-Xylene	ND	0.0404		mg/Kg-dry	1	8/9/2021 5:54:27 PM
o-Xylene	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Styrene	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Isopropylbenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Bromoform	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,1,2,2-Tetrachloroethane	ND	0.0121	Q	mg/Kg-dry	1	8/9/2021 5:54:27 PM
n-Propylbenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Bromobenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,3,5-Trimethylbenzene	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
2-Chlorotoluene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
4-Chlorotoluene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
tert-Butylbenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,2,3-Trichloropropane	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,2,4-Trichlorobenzene	ND	0.0323		mg/Kg-dry	1	8/9/2021 5:54:27 PM
sec-Butylbenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
4-Isopropyltoluene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,3-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,4-Dichlorobenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
n-Butylbenzene	ND	0.0323		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,2-Dichlorobenzene	ND	0.0242		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,2-Dibromo-3-chloropropane	ND	0.0484		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,2,4-Trimethylbenzene	ND	0.0202		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Hexachloro-1,3-butadiene	ND	0.0404		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Naphthalene	ND	0.0807		mg/Kg-dry	1	8/9/2021 5:54:27 PM
1,2,3-Trichlorobenzene	ND	0.0404		mg/Kg-dry	1	8/9/2021 5:54:27 PM
Surr: Dibromofluoromethane	99.0	75.5 - 119		%Rec	1	8/9/2021 5:54:27 PM
Surr: Toluene-d8	93.7	82.4 - 115		%Rec	1	8/9/2021 5:54:27 PM



Client: Aspect Consulting

Collection Date: 8/6/2021 4:00:00 PM

Project: Schnitzer

Lab ID: 2108114-004

Matrix: Soil

Client Sample ID: Art-N25-W02-151

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene 96.7 78.5 - 118 %Rec 1 8/9/2021 5:54:27 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria

Mercury by EPA Method 7471

Batch ID: 33296 Analyst: CH

Mercury ND 0.268 mg/Kg-dry 1 8/10/2021 1:26:45 PM

Total Metals by EPA Method 6020B

Batch ID: 33283 Analyst: TN

Arsenic	2.61	0.103		mg/Kg-dry	1	8/9/2021 6:09:44 PM
Barium	50.5	0.513		mg/Kg-dry	1	8/10/2021 3:55:17 PM
Cadmium	ND	0.171		mg/Kg-dry	1	8/10/2021 3:55:17 PM
Chromium	25.4	0.342		mg/Kg-dry	1	8/9/2021 6:09:44 PM
Lead	1.96	0.171		mg/Kg-dry	1	8/9/2021 6:09:44 PM
Selenium	0.770	0.171		mg/Kg-dry	1	8/9/2021 6:09:44 PM
Silver	ND	0.128		mg/Kg-dry	1	8/9/2021 6:09:44 PM

Sample Moisture (Percent Moisture)

Batch ID: R69082 Analyst: OK

Percent Moisture 8.64 wt% 1 8/9/2021 8:47:38 AM



Client: Aspect Consulting

Collection Date: 7/14/2021 10:44:00 AM

Project: Schnitzer

Lab ID: 2108114-005

Matrix: Soil

Client Sample ID: Art-TB-06

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33289

Analyst: KT

Gasoline	ND	5.00	H	mg/Kg	1	8/9/2021 3:19:05 PM
Surr: Toluene-d8	98.2	65 - 135	H	%Rec	1	8/9/2021 3:19:05 PM
Surr: 4-Bromofluorobenzene	90.8	65 - 135	H	%Rec	1	8/9/2021 3:19:05 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0500	QH	mg/Kg	1	8/9/2021 3:19:05 PM
Chloromethane	ND	0.0800	QH	mg/Kg	1	8/9/2021 3:19:05 PM
Vinyl chloride	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
Bromomethane	ND	0.150	H	mg/Kg	1	8/9/2021 3:19:05 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500	H	mg/Kg	1	8/9/2021 3:19:05 PM
Chloroethane	ND	0.120	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,1-Dichloroethene	ND	0.100	H	mg/Kg	1	8/9/2021 3:19:05 PM
Acetone	ND	0.500	H	mg/Kg	1	8/9/2021 3:19:05 PM
Methylene chloride	ND	0.0150	H	mg/Kg	1	8/9/2021 3:19:05 PM
trans-1,2-Dichloroethene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,1-Dichloroethane	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
cis-1,2-Dichloroethene	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
(MEK) 2-Butanone	ND	0.450	H	mg/Kg	1	8/9/2021 3:19:05 PM
Chloroform	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,1-Dichloropropene	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
Carbon tetrachloride	ND	0.0750	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,2-Dichloroethane (EDC)	ND	0.0230	H	mg/Kg	1	8/9/2021 3:19:05 PM
Benzene	ND	0.0200	H	mg/Kg	1	8/9/2021 3:19:05 PM
Trichloroethene (TCE)	ND	0.0200	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,2-Dichloropropane	ND	0.0200	H	mg/Kg	1	8/9/2021 3:19:05 PM
Bromodichloromethane	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
Dibromomethane	ND	0.0200	H	mg/Kg	1	8/9/2021 3:19:05 PM
cis-1,3-Dichloropropene	ND	0.0800	H	mg/Kg	1	8/9/2021 3:19:05 PM
Toluene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
Trans-1,3-Dichloropropylene	ND	0.0500	H	mg/Kg	1	8/9/2021 3:19:05 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,1,2-Trichloroethane	ND	0.0170	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,3-Dichloropropane	ND	0.0200	H	mg/Kg	1	8/9/2021 3:19:05 PM
Tetrachloroethene (PCE)	ND	0.0400	H	mg/Kg	1	8/9/2021 3:19:05 PM
Dibromochloromethane	ND	0.0200	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,2-Dibromoethane (EDB)	ND	0.0100	H	mg/Kg	1	8/9/2021 3:19:05 PM



Client: Aspect Consulting

Collection Date: 7/14/2021 10:44:00 AM

Project: Schnitzer

Lab ID: 2108114-005

Matrix: Soil

Client Sample ID: Art-TB-06

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33289

Analyst: KT

2-Hexanone (MBK)	ND	0.0600	QH	mg/Kg	1	8/9/2021 3:19:05 PM
Chlorobenzene	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,1,1,2-Tetrachloroethane	ND	0.0200	H	mg/Kg	1	8/9/2021 3:19:05 PM
Ethylbenzene	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
m,p-Xylene	ND	0.0500	H	mg/Kg	1	8/9/2021 3:19:05 PM
o-Xylene	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
Styrene	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
Isopropylbenzene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
Bromoform	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,1,2,2-Tetrachloroethane	ND	0.0150	QH	mg/Kg	1	8/9/2021 3:19:05 PM
n-Propylbenzene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
Bromobenzene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,3,5-Trimethylbenzene	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
2-Chlorotoluene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
4-Chlorotoluene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
tert-Butylbenzene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,2,3-Trichloropropane	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,2,4-Trichlorobenzene	ND	0.0400	H	mg/Kg	1	8/9/2021 3:19:05 PM
sec-Butylbenzene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
4-Isopropyltoluene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,3-Dichlorobenzene	ND	0.0350	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,4-Dichlorobenzene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
n-Butylbenzene	ND	0.0400	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,2-Dichlorobenzene	ND	0.0300	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,2-Dibromo-3-chloropropane	ND	0.0600	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,2,4-Trimethylbenzene	ND	0.0250	H	mg/Kg	1	8/9/2021 3:19:05 PM
Hexachloro-1,3-butadiene	ND	0.0500	H	mg/Kg	1	8/9/2021 3:19:05 PM
Naphthalene	ND	0.100	H	mg/Kg	1	8/9/2021 3:19:05 PM
1,2,3-Trichlorobenzene	ND	0.0500	H	mg/Kg	1	8/9/2021 3:19:05 PM
Surr: Dibromofluoromethane	102	75.5 - 119	H	%Rec	1	8/9/2021 3:19:05 PM
Surr: Toluene-d8	98.3	82.4 - 115	H	%Rec	1	8/9/2021 3:19:05 PM
Surr: 1-Bromo-4-fluorobenzene	98.8	78.5 - 118	H	%Rec	1	8/9/2021 3:19:05 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-33283	SampType: MBLK	Units: mg/Kg	Prep Date: 8/9/2021	RunNo: 69115							
Client ID: MBLKS	Batch ID: 33283		Analysis Date: 8/10/2021	SeqNo: 1400047							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0952									
Barium	ND	0.476									
Cadmium	ND	0.159									
Chromium	ND	0.317									
Lead	ND	0.159									
Selenium	ND	0.159									
Silver	ND	0.119									

Sample ID: LCS-33283	SampType: LCS	Units: mg/Kg	Prep Date: 8/9/2021	RunNo: 69115							
Client ID: LCSS	Batch ID: 33283		Analysis Date: 8/10/2021	SeqNo: 1400048							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.9	0.0952	39.68	0	101	80	120				
Barium	40.9	0.476	39.68	0	103	80	120				
Cadmium	2.17	0.159	1.984	0	109	80	120				
Chromium	41.6	0.317	39.68	0	105	80	120				
Lead	20.6	0.159	19.84	0	104	80	120				
Selenium	3.91	0.159	3.968	0	98.6	80	120				
Silver	2.17	0.119	1.984	0	109	80	120				

Sample ID: 2108107-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69115							
Client ID: BATCH	Batch ID: 33283		Analysis Date: 8/10/2021	SeqNo: 1400053							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.6	0.104	43.47	3.904	101	75	125				
Barium	125	0.522	43.47	94.59	71.1	75	125				S
Cadmium	2.62	0.174	2.173	0.1140	115	75	125				
Chromium	67.0	0.348	43.47	24.83	97.1	75	125				
Lead	27.3	0.174	21.73	5.839	99.0	75	125				

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2108107-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69115							
Client ID: BATCH	Batch ID: 33283	Analysis Date: 8/10/2021	SeqNo: 1400053								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	5.50	0.174	4.347	1.155	100	75	125				
Silver	2.24	0.130	2.173	0.08166	99.5	75	125				

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Sample ID: 2108107-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69115							
Client ID: BATCH	Batch ID: 33283	Analysis Date: 8/10/2021	SeqNo: 1400054								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	44.3	0.104	43.14	3.904	93.6	75	125	47.63	7.28	20	
Barium	135	0.518	43.14	94.59	94.5	75	125	125.5	7.56	20	
Cadmium	2.53	0.173	2.157	0.1140	112	75	125	2.622	3.56	20	
Chromium	84.3	0.345	43.14	24.83	138	75	125	67.04	22.8	20	RS
Lead	25.6	0.173	21.57	5.839	91.7	75	125	27.35	6.56	20	
Selenium	5.27	0.173	4.314	1.155	95.4	75	125	5.502	4.28	20	
Silver	2.22	0.129	2.157	0.08166	99.1	75	125	2.245	1.13	20	

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.

R - High RPD observed.

Work Order: 2108114
CLIENT: Aspect Consulting
Project: Schnitzer

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-33296	SampType: MBLK	Units: mg/Kg	Prep Date: 8/10/2021	RunNo: 69145							
Client ID: MBLKS	Batch ID: 33296	Analysis Date: 8/10/2021	SeqNo: 1399984								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-33296	SampType: LCS	Units: mg/Kg	Prep Date: 8/10/2021	RunNo: 69145							
Client ID: LCSS	Batch ID: 33296	Analysis Date: 8/10/2021	SeqNo: 1399985								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.489 0.250 0.5000 0 97.8 80 120

Sample ID: 2108088-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/10/2021	RunNo: 69145							
Client ID: BATCH	Batch ID: 33296	Analysis Date: 8/10/2021	SeqNo: 1399988								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.527 0.272 0.5432 0.007787 95.6 70 130

Sample ID: 2108088-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/10/2021	RunNo: 69145							
Client ID: BATCH	Batch ID: 33296	Analysis Date: 8/10/2021	SeqNo: 1399989								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.563 0.282 0.5641 0.007787 98.4 70 130 0.5270 6.62 20

Work Order: 2108114
CLIENT: Aspect Consulting
Project: Schnitzer

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33282	SampType: MBLK	Units: mg/Kg				Prep Date: 8/9/2021	RunNo: 69091				
Client ID: MBLKS	Batch ID: 33282					Analysis Date: 8/9/2021	SeqNo: 1398917				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.17		10.00		81.7	50	150				
Surr: o-Terphenyl	9.19		10.00		91.9	50	150				

Sample ID: LCS-33282	SampType: LCS	Units: mg/Kg				Prep Date: 8/9/2021	RunNo: 69091				
Client ID: LCSS	Batch ID: 33282					Analysis Date: 8/9/2021	SeqNo: 1398918				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	533	150	500.0	0	107	77.2	122				
Surr: 2-Fluorobiphenyl	8.84		10.00		88.4	50	150				
Surr: o-Terphenyl	11.4		10.00		114	50	150				

Sample ID: 2108114-004AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/9/2021	RunNo: 69091				
Client ID: Art-N25-W02-151	Batch ID: 33282					Analysis Date: 8/9/2021	SeqNo: 1398923				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	554	157	524.2	0	106	68	132				
Surr: 2-Fluorobiphenyl	9.40		10.48		89.7	50	150				
Surr: o-Terphenyl	12.0		10.48		115	50	150				

Sample ID: 2108114-004AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/9/2021	RunNo: 69091				
Client ID: Art-N25-W02-151	Batch ID: 33282					Analysis Date: 8/9/2021	SeqNo: 1399083				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	534	152	507.2	0	105	68	132	553.5	3.51	30	
Surr: 2-Fluorobiphenyl	8.66		10.14		85.4	50	150		0		
Surr: o-Terphenyl	11.4		10.14		112	50	150		0		

Work Order: 2108114
CLIENT: Aspect Consulting
Project: Schnitzer

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108114-004AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69091							
Client ID: Art-N25-W02-151	Batch ID: 33282	Analysis Date: 8/9/2021	SeqNo: 1399083								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2108114
CLIENT: Aspect Consulting
Project: Schnitzer

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33289	SampType: LCS	Units: mg/Kg			Prep Date: 8/9/2021	RunNo: 69122					
Client ID: LCSS	Batch ID: 33289				Analysis Date: 8/9/2021	SeqNo: 1399578					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	28.1	5.00	25.00	0	112	65	135				
Surr: Toluene-d8	1.27		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.11		1.250		88.9	65	135				

Sample ID: MB-33289	SampType: MBLK	Units: mg/Kg			Prep Date: 8/9/2021	RunNo: 69122					
Client ID: MBLKS	Batch ID: 33289				Analysis Date: 8/9/2021	SeqNo: 1399579					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.13		1.250		90.6	65	135				

Sample ID: 2108114-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/9/2021	RunNo: 69122					
Client ID: Art-N19-W03-148	Batch ID: 33289				Analysis Date: 8/9/2021	SeqNo: 1399582					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.03						0		30	
Surr: Toluene-d8	1.02		1.008		101	65	135		0		
Surr: 4-Bromofluorobenzene	0.900		1.008		89.3	65	135		0		

Sample ID: 2108067-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/9/2021	RunNo: 69122					
Client ID: BATCH	Batch ID: 33289				Analysis Date: 8/9/2021	SeqNo: 1399587					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.32						3.367	3.32	30	
Surr: Toluene-d8	0.826		0.6644		124	65	135		0		
Surr: 4-Bromofluorobenzene	1.34		2.492		53.6	65	135		0		S

NOTES:
S - Outlying surrogate recovery(ies) observed.

Work Order: 2108114
CLIENT: Aspect Consulting
Project: Schnitzer

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2108114-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69122							
Client ID: Art-N21-W01-148	Batch ID: 33289		Analysis Date: 8/9/2021	SeqNo: 1399588							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	22.9	4.25	21.23	0	108	65	135				
Surr: Toluene-d8	1.00		1.061		94.2	65	135				
Surr: 4-Bromofluorobenzene	0.980		1.061		92.3	65	135				

Work Order: 2108114
CLIENT: Aspect Consulting
Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-33289	SampType: MBLK	Units: mg/Kg	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: MBLKS	Batch ID: 33289	Analysis Date: 8/9/2021	SeqNo: 1399530								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									Q
Chloromethane	ND	0.0800									Q
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									

Work Order: 2108114
CLIENT: Aspect Consulting
Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-33289	SampType: MBLK	Units: mg/Kg	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: MBLKS	Batch ID: 33289		Analysis Date: 8/9/2021	SeqNo: 1399530							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									Q
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									Q
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-33289	SampType: MBLK	Units: mg/Kg	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: MBLKS	Batch ID: 33289		Analysis Date: 8/9/2021	SeqNo: 1399530							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.25		1.250		100	75.5	119				
Surr: Toluene-d8	1.18		1.250		94.1	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.4	78.5	118				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria

Sample ID: 2108114-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: Art-N19-W03-148	Batch ID: 33289		Analysis Date: 8/9/2021	SeqNo: 1399533							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0403						0		30	Q
Chloromethane	ND	0.0645						0		30	Q
Vinyl chloride	ND	0.0202						0		30	
Bromomethane	ND	0.121						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0403						0		30	
Chloroethane	ND	0.0968						0		30	
1,1-Dichloroethene	ND	0.0807						0		30	
Acetone	ND	0.403						0		30	
Methylene chloride	ND	0.0121						0		30	
trans-1,2-Dichloroethene	ND	0.0242						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0242						0		30	
1,1-Dichloroethane	ND	0.0202						0		30	
cis-1,2-Dichloroethene	ND	0.0202						0		30	
(MEK) 2-Butanone	ND	0.363						0		30	
Chloroform	ND	0.0202						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0202						0		30	
1,1-Dichloropropene	ND	0.0202						0		30	
Carbon tetrachloride	ND	0.0605						0		30	
1,2-Dichloroethane (EDC)	ND	0.0186						0		30	

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108114-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: Art-N19-W03-148	Batch ID: 33289		Analysis Date: 8/9/2021	SeqNo: 1399533							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.0161						0		30	
Trichloroethene (TCE)	ND	0.0161						0		30	
1,2-Dichloropropane	ND	0.0161						0		30	
Bromodichloromethane	ND	0.0202						0		30	
Dibromomethane	ND	0.0161						0		30	
cis-1,3-Dichloropropene	ND	0.0645						0		30	
Toluene	ND	0.0242						0		30	
Trans-1,3-Dichloropropylene	ND	0.0403						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0605						0		30	
1,1,2-Trichloroethane	ND	0.0137						0		30	
1,3-Dichloropropane	ND	0.0161						0		30	
Tetrachloroethene (PCE)	ND	0.0323						0		30	
Dibromochloromethane	ND	0.0161						0		30	
1,2-Dibromoethane (EDB)	ND	0.00807						0		30	
2-Hexanone (MBK)	ND	0.0484						0		30	Q
Chlorobenzene	ND	0.0202						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0161						0		30	
Ethylbenzene	ND	0.0202						0		30	
m,p-Xylene	ND	0.0403						0		30	
o-Xylene	ND	0.0202						0		30	
Styrene	ND	0.0202						0		30	
Isopropylbenzene	ND	0.0242						0		30	
Bromoform	ND	0.0202						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0121						0		30	Q
n-Propylbenzene	ND	0.0242						0		30	
Bromobenzene	ND	0.0242						0		30	
1,3,5-Trimethylbenzene	ND	0.0202						0		30	
2-Chlorotoluene	ND	0.0242						0		30	
4-Chlorotoluene	ND	0.0242						0		30	
tert-Butylbenzene	ND	0.0242						0		30	

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108114-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: Art-N19-W03-148	Batch ID: 33289		Analysis Date: 8/9/2021	SeqNo: 1399533							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	0.0202						0		30	
1,2,4-Trichlorobenzene	ND	0.0323						0		30	
sec-Butylbenzene	ND	0.0242						0		30	
4-Isopropyltoluene	ND	0.0242						0		30	
1,3-Dichlorobenzene	ND	0.0282						0		30	
1,4-Dichlorobenzene	ND	0.0242						0		30	
n-Butylbenzene	ND	0.0323						0		30	
1,2-Dichlorobenzene	ND	0.0242						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0484						0		30	
1,2,4-Trimethylbenzene	ND	0.0202						0		30	
Hexachloro-1,3-butadiene	ND	0.0403						0		30	
Naphthalene	ND	0.0807						0		30	
1,2,3-Trichlorobenzene	ND	0.0403						0		30	
Surr: Dibromofluoromethane	0.998		1.008		98.9	75.5	119		0		
Surr: Toluene-d8	0.959		1.008		95.2	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.980		1.008		97.2	78.5	118		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria

Sample ID: 2108067-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: BATCH	Batch ID: 33289		Analysis Date: 8/9/2021	SeqNo: 1399538							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0332						0		30	Q
Chloromethane	ND	0.0532						0		30	Q
Vinyl chloride	ND	0.0166						0		30	
Bromomethane	ND	0.0997						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0332						0		30	
Chloroethane	ND	0.0797						0		30	
1,1-Dichloroethane	ND	0.0664						0		30	
Acetone	ND	0.332						0		30	

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108067-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: BATCH	Batch ID: 33289		Analysis Date: 8/9/2021	SeqNo: 1399538							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methylene chloride	ND	0.00997						0		30	
trans-1,2-Dichloroethene	ND	0.0199						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0199						0		30	
1,1-Dichloroethane	ND	0.0166						0		30	
cis-1,2-Dichloroethene	ND	0.0166						0		30	
(MEK) 2-Butanone	ND	0.299						0		30	
Chloroform	ND	0.0166						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0166						0		30	
1,1-Dichloropropene	ND	0.0166						0		30	
Carbon tetrachloride	ND	0.0498						0		30	
1,2-Dichloroethane (EDC)	ND	0.0153						0		30	
Benzene	0.0226	0.0133						0.02357	4.19	30	
Trichloroethene (TCE)	ND	0.0133						0		30	
1,2-Dichloropropane	ND	0.0133						0		30	
Bromodichloromethane	ND	0.0166						0		30	
Dibromomethane	ND	0.0133						0		30	
cis-1,3-Dichloropropene	ND	0.0532						0		30	
Toluene	0.0498	0.0199						0.05168	3.63	30	
Trans-1,3-Dichloropropylene	ND	0.0332						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0498						0		30	
1,1,2-Trichloroethane	ND	0.0113						0		30	
1,3-Dichloropropane	ND	0.0133						0		30	
Tetrachloroethene (PCE)	ND	0.0266						0		30	
Dibromochloromethane	ND	0.0133						0		30	
1,2-Dibromoethane (EDB)	ND	0.00664						0		30	
2-Hexanone (MBK)	ND	0.0399						0		30	Q
Chlorobenzene	ND	0.0166						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0133						0		30	
Ethylbenzene	ND	0.0166						0		30	
m,p-Xylene	ND	0.0332						0		30	

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108067-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: BATCH	Batch ID: 33289		Analysis Date: 8/9/2021	SeqNo: 1399538							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

o-Xylene	ND	0.0166						0		30	
Styrene	ND	0.0166						0		30	
Isopropylbenzene	ND	0.0199						0		30	
Bromoform	ND	0.0166						0		30	
1,1,2,2-Tetrachloroethane	ND	0.00997						0		30	Q
n-Propylbenzene	ND	0.0199						0		30	
Bromobenzene	ND	0.0199						0		30	
1,3,5-Trimethylbenzene	ND	0.0166						0		30	
2-Chlorotoluene	ND	0.0199						0		30	
4-Chlorotoluene	ND	0.0199						0		30	
tert-Butylbenzene	ND	0.0199						0		30	
1,2,3-Trichloropropane	ND	0.0166						0		30	
1,2,4-Trichlorobenzene	ND	0.0266						0		30	
sec-Butylbenzene	ND	0.0199						0		30	
4-Isopropyltoluene	ND	0.0199						0		30	
1,3-Dichlorobenzene	ND	0.0233						0		30	
1,4-Dichlorobenzene	ND	0.0199						0		30	
n-Butylbenzene	ND	0.0266						0		30	
1,2-Dichlorobenzene	ND	0.0199						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0399						0		30	
1,2,4-Trimethylbenzene	ND	0.0166						0		30	
Hexachloro-1,3-butadiene	ND	0.0332						0		30	
Naphthalene	ND	0.0664						0		30	
1,2,3-Trichlorobenzene	ND	0.0332						0		30	
Surr: Dibromofluoromethane	0.851		0.8305		102	75.5	119		0		
Surr: Toluene-d8	0.814		0.8305		98.0	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.45		2.492		58.3	78.5	118		0		S

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria
 S - Outlying surrogate recovery(ies) observed.

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33289	SampType: LCS	Units: µg/L				Prep Date: 8/9/2021	RunNo: 69119				
Client ID: LCSS	Batch ID: 33289					Analysis Date: 8/10/2021	SeqNo: 1399557				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.687	0.0500	1.000	0	68.7	80	120				S
Chloromethane	0.743	0.0800	1.000	0	74.3	80	120				S
Vinyl chloride	0.821	0.0250	1.000	0	82.1	80	120				
Bromomethane	0.917	0.150	1.000	0	91.7	80	120				
Trichlorofluoromethane (CFC-11)	0.958	0.0500	1.000	0	95.8	80	120				
Chloroethane	0.910	0.120	1.000	0	91.0	80	120				
1,1-Dichloroethene	0.968	0.100	1.000	0	96.8	80	120				
Acetone	2.32	0.500	2.500	0	92.7	80	120				
Methylene chloride	0.961	0.0150	1.000	0	96.1	80	120				
trans-1,2-Dichloroethene	0.997	0.0300	1.000	0	99.7	80	120				
Methyl tert-butyl ether (MTBE)	1.32	0.0300	1.000	0	132	80	120				S
1,1-Dichloroethane	1.20	0.0250	1.000	0	120	80	120				
cis-1,2-Dichloroethene	1.01	0.0250	1.000	0	101	80	120				
(MEK) 2-Butanone	2.40	0.450	2.500	0	95.8	80	120				
Chloroform	0.996	0.0250	1.000	0	99.6	80	120				
1,1,1-Trichloroethane (TCA)	1.02	0.0250	1.000	0	102	80	120				
1,1-Dichloropropene	1.01	0.0250	1.000	0	101	80	120				
Carbon tetrachloride	0.968	0.0750	1.000	0	96.8	80	120				
1,2-Dichloroethane (EDC)	0.958	0.0230	1.000	0	95.8	80	120				
Benzene	1.00	0.0200	1.000	0	100	80	120				
Trichloroethene (TCE)	1.02	0.0200	1.000	0	102	80	120				
1,2-Dichloropropane	1.00	0.0200	1.000	0	100	80	120				
Bromodichloromethane	0.992	0.0250	1.000	0	99.2	80	120				
Dibromomethane	1.02	0.0200	1.000	0	102	80	120				
cis-1,3-Dichloropropene	1.05	0.0800	1.000	0	105	80	120				
Toluene	1.03	0.0300	1.000	0	103	80	120				
Trans-1,3-Dichloropropylene	1.01	0.0500	1.000	0	101	80	120				
Methyl Isobutyl Ketone (MIBK)	2.39	0.0750	2.500	0	95.7	80	120				
1,1,2-Trichloroethane	1.00	0.0170	1.000	0	100	80	120				
1,3-Dichloropropane	0.987	0.0200	1.000	0	98.7	80	120				

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33289	SampType: LCS	Units: µg/L				Prep Date: 8/9/2021	RunNo: 69119				
Client ID: LCSS	Batch ID: 33289					Analysis Date: 8/10/2021	SeqNo: 1399557				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.05	0.0400	1.000	0	105	80	120				
Dibromochloromethane	0.985	0.0200	1.000	0	98.5	80	120				
1,2-Dibromoethane (EDB)	0.994	0.0100	1.000	0	99.4	80	120				
2-Hexanone (MBK)	2.35	0.0600	2.500	0	94.1	80	120				
Chlorobenzene	1.02	0.0250	1.000	0	102	80	120				
1,1,1,2-Tetrachloroethane	1.00	0.0200	1.000	0	100	80	120				
Ethylbenzene	1.03	0.0250	1.000	0	103	80	120				
m,p-Xylene	2.04	0.0500	2.000	0	102	80	120				
o-Xylene	1.01	0.0250	1.000	0	101	80	120				
Styrene	1.02	0.0250	1.000	0	102	80	120				
Isopropylbenzene	1.02	0.0300	1.000	0	102	80	120				
Bromoform	1.02	0.0250	1.000	0	102	80	120				
1,1,1,2,2-Tetrachloroethane	0.928	0.0150	1.000	0	92.8	80	120				
n-Propylbenzene	1.00	0.0300	1.000	0	100	80	120				
Bromobenzene	0.991	0.0300	1.000	0	99.1	80	120				
1,3,5-Trimethylbenzene	1.00	0.0250	1.000	0	100	80	120				
2-Chlorotoluene	0.986	0.0300	1.000	0	98.6	80	120				
4-Chlorotoluene	0.973	0.0300	1.000	0	97.3	80	120				
tert-Butylbenzene	1.02	0.0300	1.000	0	102	80	120				
1,2,3-Trichloropropane	1.00	0.0250	1.000	0	100	80	120				
1,2,4-Trichlorobenzene	1.19	0.0400	1.000	0	119	80	120				
sec-Butylbenzene	0.999	0.0300	1.000	0	99.9	80	120				
4-Isopropyltoluene	1.00	0.0300	1.000	0	100	80	120				
1,3-Dichlorobenzene	1.10	0.0350	1.000	0	110	80	120				
1,4-Dichlorobenzene	1.09	0.0300	1.000	0	109	80	120				
n-Butylbenzene	1.10	0.0400	1.000	0	110	80	120				
1,2-Dichlorobenzene	1.08	0.0300	1.000	0	108	80	120				
1,2-Dibromo-3-chloropropane	1.01	0.0600	1.000	0	101	80	120				
1,2,4-Trimethylbenzene	0.995	0.0250	1.000	0	99.5	80	120				
Hexachloro-1,3-butadiene	1.11	0.0500	1.000	0	111	80	120				

Work Order: 2108114
CLIENT: Aspect Consulting
Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33289	SampType: LCS	Units: µg/L	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: LCSS	Batch ID: 33289		Analysis Date: 8/10/2021	SeqNo: 1399557							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.846	0.100	1.000	0	84.6	80	120				
1,2,3-Trichlorobenzene	1.04	0.0500	1.000	0	104	80	120				
Surr: Dibromofluoromethane	1.44		1.250		115	75.5	120				
Surr: Toluene-d8	1.27		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	78.5	120				

NOTES:

- S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.
- S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: 2108077-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: BATCH	Batch ID: 33289		Analysis Date: 8/10/2021	SeqNo: 1399553							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.421	0.0304	0.6072	0	69.4	5.35	148				
Chloromethane	0.439	0.0486	0.6072	0	72.4	34.4	134				
Vinyl chloride	0.518	0.0152	0.6072	0	85.4	50.3	134				
Bromomethane	0.532	0.0911	0.6072	0	87.5	40.2	164				
Trichlorofluoromethane (CFC-11)	0.616	0.0304	0.6072	0	101	54.1	142				
Chloroethane	0.584	0.0729	0.6072	0	96.1	42.4	148				
1,1-Dichloroethene	0.606	0.0607	0.6072	0	99.8	62.2	138				
Acetone	1.40	0.304	1.518	0	92.1	56.3	172				
Methylene chloride	0.585	0.00911	0.6072	0	96.3	66.3	131				
trans-1,2-Dichloroethene	0.617	0.0182	0.6072	0	102	70.2	132				
Methyl tert-butyl ether (MTBE)	0.872	0.0182	0.6072	0	144	64.8	140				S
1,1-Dichloroethane	0.763	0.0152	0.6072	0	126	72	130				
cis-1,2-Dichloroethene	0.615	0.0152	0.6072	0	101	79.6	125				
(MEK) 2-Butanone	1.43	0.273	1.518	0	94.2	73.1	138				
Chloroform	0.608	0.0152	0.6072	0	100	77.3	128				
1,1,1-Trichloroethane (TCA)	0.649	0.0152	0.6072	0	107	81.2	124				
1,1-Dichloropropene	0.639	0.0152	0.6072	0	105	77.9	127				
Carbon tetrachloride	0.629	0.0455	0.6072	0	104	76.9	126				

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108077-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: BATCH	Batch ID: 33289		Analysis Date: 8/10/2021	SeqNo: 1399553							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dichloroethane (EDC)	0.572	0.0140	0.6072	0	94.2	74.1	130				
Benzene	0.622	0.0121	0.6072	0	103	75.3	131				
Trichloroethene (TCE)	0.725	0.0121	0.6072	0	119	78.9	132				
1,2-Dichloropropane	0.604	0.0121	0.6072	0	99.5	77	126				
Bromodichloromethane	0.596	0.0152	0.6072	0	98.2	75.1	127				
Dibromomethane	0.607	0.0121	0.6072	0	99.9	77.6	126				
cis-1,3-Dichloropropene	0.609	0.0486	0.6072	0	100	74.5	123				
Toluene	0.665	0.0182	0.6072	0.03416	104	79.2	130				
Trans-1,3-Dichloropropylene	0.598	0.0304	0.6072	0	98.5	74.3	124				
Methyl Isobutyl Ketone (MIBK)	1.39	0.0455	1.518	0	91.3	71.8	141				
1,1,2-Trichloroethane	0.581	0.0103	0.6072	0	95.7	77.2	127				
1,3-Dichloropropane	0.588	0.0121	0.6072	0	96.8	74.1	129				
Tetrachloroethene (PCE)	0.650	0.0243	0.6072	0	107	77.7	131				
Dibromochloromethane	0.597	0.0121	0.6072	0	98.3	69.7	131				
1,2-Dibromoethane (EDB)	0.593	0.00607	0.6072	0	97.7	78.1	126				
2-Hexanone (MBK)	1.45	0.0364	1.518	0	95.5	59.3	153				
Chlorobenzene	0.641	0.0152	0.6072	0	106	84.7	121				
1,1,1,2-Tetrachloroethane	0.664	0.0121	0.6072	0	109	81.8	123				
Ethylbenzene	0.667	0.0152	0.6072	0.007545	109	79.7	133				
m,p-Xylene	1.33	0.0304	1.214	0.02249	108	81.2	125				
o-Xylene	0.660	0.0152	0.6072	0.01061	107	76.9	130				
Styrene	0.650	0.0152	0.6072	0	107	86.2	119				
Isopropylbenzene	0.665	0.0182	0.6072	0	110	79.4	132				
Bromoform	0.634	0.0152	0.6072	0	104	69.3	136				
1,1,1,2,2-Tetrachloroethane	0.453	0.00911	0.6072	0	74.7	49.1	149				
n-Propylbenzene	0.646	0.0182	0.6072	0.004230	106	77	139				
Bromobenzene	0.626	0.0182	0.6072	0	103	77.2	129				
1,3,5-Trimethylbenzene	0.647	0.0152	0.6072	0.007545	105	76.7	135				
2-Chlorotoluene	0.690	0.0182	0.6072	0	114	76.8	135				
4-Chlorotoluene	0.613	0.0182	0.6072	0	101	77.4	131				

Work Order: 2108114
 CLIENT: Aspect Consulting
 Project: Schnitzer

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108077-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69119							
Client ID: BATCH	Batch ID: 33289		Analysis Date: 8/10/2021	SeqNo: 1399553							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

tert-Butylbenzene	0.656	0.0182	0.6072	0	108	76.5	135				
1,2,3-Trichloropropane	0.609	0.0152	0.6072	0	100	70.2	132				
1,2,4-Trichlorobenzene	0.792	0.0243	0.6072	0.007468	129	78.8	129				S
sec-Butylbenzene	0.649	0.0182	0.6072	0	107	75.7	141				
4-Isopropyltoluene	0.663	0.0182	0.6072	0.004773	108	75.2	140				
1,3-Dichlorobenzene	0.661	0.0213	0.6072	0	109	86.3	123				
1,4-Dichlorobenzene	0.651	0.0182	0.6072	0	107	86.1	123				
n-Butylbenzene	0.681	0.0243	0.6072	0	112	79.4	130				
1,2-Dichlorobenzene	0.639	0.0182	0.6072	0	105	87.8	120				
1,2-Dibromo-3-chloropropane	0.697	0.0364	0.6072	0	115	69.5	135				
1,2,4-Trimethylbenzene	0.656	0.0152	0.6072	0.01765	105	76	137				
Hexachloro-1,3-butadiene	0.646	0.0304	0.6072	0	106	70.9	137				
Naphthalene	1.23	0.0607	0.6072	0.02518	198	72.3	141				S
1,2,3-Trichlorobenzene	1.11	0.0304	0.6072	0	183	75.1	133				S
Surr: Dibromofluoromethane	0.840		0.7590		111	75.5	119				
Surr: Toluene-d8	0.739		0.7590		97.4	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.98		2.277		87.0	78.5	118				

NOTES:

S - Spike recovery indicates a possible matrix effect.

Client Name: **AC**

 Work Order Number: **2108114**

 Logged by: **Clare Griggs**

 Date Received: **8/6/2021 5:00:42 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

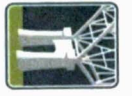
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/6/21 Page: 1 of 1

Project Name: Shnitzel

Project No: 190298

Collected by: DRS

Location:

Report To (PM): All Labrate

PM Email: acabrado@fremontanalytical.com

Laboratory Project No (Internal): 2108114

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: Agfert Consulting
Address:
City, State, Zip:
Telephone: 316.617.0499
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes											Comments
					VOCS (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics (DW)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	
1. <u>ART-N19-U03-148</u>	<u>8/6/21</u>	<u>1610</u>	<u>Soil</u>	<u>3</u>	X	X	X	X	X	X	X	X	X	X	X	
2. <u>ART-N21-U01-148</u>		<u>1608</u>			X	X	X	X	X	X	X	X	X	X	X	
3. <u>ART-N28-U03-151</u>		<u>1555</u>			X	X	X	X	X	X	X	X	X	X	X	
4. <u>ART-N25-U02-151</u>		<u>1555</u>			X	X	X	X	X	X	X	X	X	X	X	
5. <u>ART-T3-06</u>		<u>1600</u>	<u>A</u>	<u>1</u>	X	X	X	X	X	X	X	X	X	X	X	
6.																
7.																
8.																
9.																
10.																

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MICA-5 PCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day (specify)
 2 Day

Relinquished (Signature) [Signature] Print Name Daniel Schickel Date/Time 8/6/21 17:00

Relinquished (Signature) [Signature] Print Name Alaina Date/Time 8/6/21 17:08



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108126

August 10, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 8/9/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager



Date: 08/10/2021

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108126

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108126-001	Art-W21-W15-150	08/09/2021 11:00 AM	08/09/2021 4:05 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 8/9/2021 11:00:00 AM

Project: Schnitzer Artise

Lab ID: 2108126-001

Matrix: Soil

Client Sample ID: Art-W21-W15-150

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33282

Analyst: SG

Diesel (Fuel Oil)	ND	48.8		mg/Kg	1	8/9/2021 5:40:30 PM
Heavy Oil	ND	97.6		mg/Kg	1	8/9/2021 5:40:30 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg	1	8/9/2021 5:40:30 PM
Surr: 2-Fluorobiphenyl	78.2	50 - 150		%Rec	1	8/9/2021 5:40:30 PM
Surr: o-Terphenyl	91.4	50 - 150		%Rec	1	8/9/2021 5:40:30 PM

Sample Moisture (Percent Moisture)

Batch ID: R69099

Analyst: ALB

Percent Moisture	ND	0.500		wt%	1	8/9/2021 1:53:17 PM
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Work Order: 2108126
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33282	SampType: MBLK	Units: mg/Kg				Prep Date: 8/9/2021	RunNo: 69091				
Client ID: MBLKS	Batch ID: 33282					Analysis Date: 8/9/2021	SeqNo: 1398917				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.17		10.00		81.7	50	150				
Surr: o-Terphenyl	9.19		10.00		91.9	50	150				

Sample ID: LCS-33282	SampType: LCS	Units: mg/Kg				Prep Date: 8/9/2021	RunNo: 69091				
Client ID: LCSS	Batch ID: 33282					Analysis Date: 8/9/2021	SeqNo: 1398918				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	533	150	500.0	0	107	77.2	122				
Surr: 2-Fluorobiphenyl	8.84		10.00		88.4	50	150				
Surr: o-Terphenyl	11.4		10.00		114	50	150				

Sample ID: 2108114-004AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/9/2021	RunNo: 69091				
Client ID: BATCH	Batch ID: 33282					Analysis Date: 8/9/2021	SeqNo: 1398923				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	554	157	524.2	0	106	68	132				
Surr: 2-Fluorobiphenyl	9.40		10.48		89.7	50	150				
Surr: o-Terphenyl	12.0		10.48		115	50	150				

Sample ID: 2108114-004AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/9/2021	RunNo: 69091				
Client ID: BATCH	Batch ID: 33282					Analysis Date: 8/9/2021	SeqNo: 1399083				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	534	152	507.2	0	105	68	132	553.5	3.51	30	
Surr: 2-Fluorobiphenyl	8.66		10.14		85.4	50	150		0		
Surr: o-Terphenyl	11.4		10.14		112	50	150		0		

Work Order: 2108126
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108114-004AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/9/2021	RunNo: 69091							
Client ID: BATCH	Batch ID: 33282	Analysis Date: 8/9/2021	SeqNo: 1399083								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client Name: **AC**

 Work Order Number: **2108126**

 Logged by: **Clare Griggs**

 Date Received: **8/9/2021 4:05:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Client: Aspect Consulting

Project No: 190298

Collected by: DZS

Location:

City, State, Zip:

Report To (PM): Al Lohrene

Sample Disposal: Return to client Disposal by lab (after 30 days)

Telephone: 316-617-0494

PM Email: aclohrene@aspectconsulting.com

Fax:

Date: 8/9/21
Page: 1 of 1
Project Name: Artise

Laboratory Project No (Internal): 2108126
Special Remarks:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCS (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 Art-V21-VIS-150	8/9/21	1100	Soil	3													
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sp Se Sr Sn Ti Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) [Signature] Print Name Mike Braddock Date/Time 8/9/21
 Relinquished (Signature) [Signature] Print Name [Signature] Date/Time 8/9/21

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)



Aspect Consulting

Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108157

August 12, 2021

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 3 sample(s) on 8/11/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108157

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108157-001	ART-N24-W2-151	08/11/2021 8:30 AM	08/11/2021 1:04 PM
2108157-002	ART-N27-W4-151	08/11/2021 8:20 AM	08/11/2021 1:04 PM
2108157-003	Trip Blank	07/28/2021 12:35 PM	08/11/2021 1:04 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
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- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2108157-001

Collection Date: 8/11/2021 8:30:00 AM

Client Sample ID: ART-N24-W2-151

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33311

Analyst: KT

Tetrachloroethene (PCE)	ND	0.0274		mg/Kg-dry	1	8/11/2021 5:23:59 PM
Surr: Dibromofluoromethane	93.4	75.5 - 119		%Rec	1	8/11/2021 5:23:59 PM
Surr: Toluene-d8	97.2	82.4 - 115		%Rec	1	8/11/2021 5:23:59 PM
Surr: 1-Bromo-4-fluorobenzene	88.7	78.5 - 118		%Rec	1	8/11/2021 5:23:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R69167

Analyst: ALB

Percent Moisture	6.70	0.500		wt%	1	8/11/2021 11:34:33 AM
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Lab ID: 2108157-002

Collection Date: 8/11/2021 8:20:00 AM

Client Sample ID: ART-N27-W4-151

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33311

Analyst: KT

Tetrachloroethene (PCE)	ND	0.0259		mg/Kg-dry	1	8/11/2021 6:24:14 PM
Surr: Dibromofluoromethane	93.5	75.5 - 119		%Rec	1	8/11/2021 6:24:14 PM
Surr: Toluene-d8	96.2	82.4 - 115		%Rec	1	8/11/2021 6:24:14 PM
Surr: 1-Bromo-4-fluorobenzene	88.3	78.5 - 118		%Rec	1	8/11/2021 6:24:14 PM

Sample Moisture (Percent Moisture)

Batch ID: R69167

Analyst: ALB

Percent Moisture	5.43	0.500		wt%	1	8/11/2021 11:34:33 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2108157-003

Collection Date: 7/28/2021 12:35:00 PM

Client Sample ID: Trip Blank

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33311

Analyst: KT

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	8/11/2021 4:53:51 PM
Surr: Dibromofluoromethane	92.2	75.5 - 119		%Rec	1	8/11/2021 4:53:51 PM
Surr: Toluene-d8	96.2	82.4 - 115		%Rec	1	8/11/2021 4:53:51 PM
Surr: 1-Bromo-4-fluorobenzene	87.5	78.5 - 118		%Rec	1	8/11/2021 4:53:51 PM

Work Order: 2108157
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33311	SampType: LCS	Units: mg/Kg			Prep Date: 8/11/2021	RunNo: 69181					
Client ID: LCSS	Batch ID: 33311				Analysis Date: 8/11/2021	SeqNo: 1400938					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.987	0.0400	1.000	0	98.7	80	120				
Surr: Dibromofluoromethane	1.15		1.250		91.9	75.5	120				
Surr: Toluene-d8	1.24		1.250		99.1	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.35		1.250		108	78.5	120				

Sample ID: MB-33311	SampType: MBLK	Units: mg/Kg			Prep Date: 8/11/2021	RunNo: 69181					
Client ID: MBLKS	Batch ID: 33311				Analysis Date: 8/11/2021	SeqNo: 1400937					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.18		1.250		94.4	75.5	119				
Surr: Toluene-d8	1.21		1.250		96.5	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.11		1.250		89.2	78.5	118				

Sample ID: 2108150-004BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/11/2021	RunNo: 69181					
Client ID: BATCH	Batch ID: 33311				Analysis Date: 8/11/2021	SeqNo: 1400925					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0279						0		30	
Surr: Dibromofluoromethane	0.817		0.8728		93.6	75.5	119		0		
Surr: Toluene-d8	0.832		0.8728		95.3	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.786		0.8728		90.1	78.5	118		0		

Sample ID: 2108157-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/11/2021	RunNo: 69181					
Client ID: ART-N24-W2-151	Batch ID: 33311				Analysis Date: 8/11/2021	SeqNo: 1400932					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0274						0		30	
Surr: Dibromofluoromethane	0.797		0.8559		93.1	75.5	119		0		

Work Order: 2108157
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108157-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/11/2021	RunNo: 69181							
Client ID: ART-N24-W2-151	Batch ID: 33311		Analysis Date: 8/11/2021	SeqNo: 1400932							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	0.821		0.8559		95.9	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.759		0.8559		88.6	78.5	118		0		

Sample ID: 2108150-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/11/2021	RunNo: 69181							
Client ID: BATCH	Batch ID: 33311		Analysis Date: 8/11/2021	SeqNo: 1400922							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.572	0.0265	0.6632	0	86.2	77.7	131				
Surr: Dibromofluoromethane	0.731		0.8290		88.1	75.5	119				
Surr: Toluene-d8	0.830		0.8290		100	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.894		0.8290		108	78.5	118				

Client Name: **AC**

 Work Order Number: **2108157**

 Logged by: **Brianna Barnes**

 Date Received: **8/11/2021 1:04:56 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	4.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/11/2021 Page: 1 of 1

Project Name: Schmitzer Artiss

Project No: 190298

Collected by: DCB

Location:

Report To (PM): Meilani Kanier Samaha's

PM Email: mlkannaha@aspectconsulting.com

Laboratory Project No (Internal): 2108157
Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (HCID)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (C)***	EDB (8011)	PCE	Comments
1 ART-N24-W2-151	8/11/21	0830	Soil	3														
2 ART-N27-W4-151	8/11/21	0820	Soil	3														X
3 Trip Blank																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:

Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature) *Dylan Branscum* Date/Time 8/11/2021 11:23
 Print Name Dylan Branscum
 Relinquished (Signature) *Devinny Exon* Date/Time 8/11/2021 13:04
 Print Name Devinny Exon

SAMPLE RECEIVING. Laboratory hours are from 8:00am to 6:00pm – Monday through Friday. Turn-around times for samples received after 4:00pm begin on the following business day.

TURN-AROUND TIMES. Standard turn-around is 5 business days from the date of sample receipt for most analyses. For many analyses we offer expedited turn-around times, including:

- 3 Day (50% surcharge) • 2 Day (75% surcharge) • Next Day (100% surcharge) • Same Day – Call for availability and pricing

Expedited turn-around and/or specific data delivery requirements should be coordinated in advance. Samples received near the end of their holding time may incur an expedited analysis surcharge whether or not expedited report delivery is requested.

SAMPLE DISPOSAL. Fremont Analytical, Inc. (FAI) archives samples for 30 days after issuing the analytical report or after receiving Client instructions to suspend or terminate the project. After 30 days, FAI disposes of all sample volume in accordance with all governing regulations and laboratory best practices. Clients wishing to reclaim sample volume must request storage beyond the standard 30 days or arrange to retrieve the volume before the scheduled disposal. A \$5.00 fee per sample accrues monthly for storage requested beyond 30 days. FAI reserves the right to charge a disposal fee (not to exceed \$25.00/sample) for samples requiring special packaging and labeling as Hazardous Materials. "Hazardous Materials" include, but are not limited to, substances of any kind that are potentially poisonous, toxic, radioactive, explosive, or flammable, that contain biohazards or high levels of trace metals, or that pose any risk to persons or the environment through handling or disposal.

PAYMENT. All invoices are sent directly to the client contact provided. For clients with approved credit, payment terms are net 30 days from the date of the invoice. All overdue balances are subject to a 1.5% interest and service charge per month from the due date of the invoice. Third party billing will not be approved without a signed statement from the named party that acknowledges and accepts payment responsibility. In the event that payment is not received within 60 days of the invoice date, FAI may, at its option, terminate all duties without liability to the Client or others. All data produced by FAI is the property of FAI until all associated costs are paid. Clients suspending or terminating a project may be charged for services already performed whether or not analytical data is available or provided.

CONFIDENTIALITY. FAI maintains the confidentiality of all Client data. No information regarding clients' names, sites, projects, or data will be released without direct, written authorization from the Project Manager designated on this COC Record or other authorized representative of the client company. All data and reports provided to the Client by FAI are specifically for the use of the Client. Reports are intended to be considered in their entirety. FAI is not responsible for the use or misuse of any portion of data or a report by the Client or third parties.

COMPLETE AGREEMENT, MODIFICATION, WAIVER, ENFORCEABILITY. This Agreement, including the parts incorporated herein by reference, is the complete agreement of the parties with regard to services of FAI. No modification or amendment to this Agreement shall be valid unless in writing and signed by an authorized representative of each party. This Agreement is binding on each party's heirs, successors, and assigns. If any provision of this Agreement is held invalid, illegal, or unenforceable, then the remaining provisions shall remain in effect and may be reformed and enforced by the court. Failure to require performance of any term of this Agreement shall not be deemed a waiver of the right to enforce any term of this Agreement.

JURISDICTION AND VENUE. This Agreement shall be interpreted according to the laws of the State of Washington. FAI and Client agree to submit to the jurisdiction and venue of state and federal courts in Seattle, Washington.

LIMITED WARRANTY. FAI warrants only that it will perform services using analytical methodologies with published test methods according to industry standards. If circumstances require analytic practices for which standards do not exist, FAI warrants only that its services will be in accordance with standard scientific procedures and good laboratory practices. FAI MAKES NO OTHER WARRANTIES AND DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES. FAI MAKES NO REPRESENTATIONS OR WARRANTIES REGARDING THE FITNESS OF THE DATA IN ITS REPORTS FOR ANY PARTICULAR USE OR PURPOSE.

LIMITATIONS ON FAI'S LIABILITY. FAI shall not be liable to Client for any of the following types of damages or losses arising out of this Agreement: incidental damages, indirect damages, consequential damages, lost profits, or tort damages. CLIENT'S SOLE REMEDY SHALL BE A REFUND OF THE APPLICABLE PAYMENT TO FAI. FAI SHALL HAVE NO LIABILITY OR OBLIGATIONS EXCEPT AS STATED HEREIN.

TIME LIMITATIONS ON ACTIONS AGAINST FAI. No legal action arising out of any service provided by FAI under this Agreement may be brought against FAI more than one year after FAI has performed the service that is the subject of the legal action, regardless of whether the parties have agreed to arbitration. For the purposes of this Agreement, each Chain of Custody Record and Laboratory Services Agreement form submitted constitutes a unique set of services.

NOTICES. Client(s) shall inspect completed data packages and notify FAI of any defects or nonconformity within thirty (30) days of receipt. Remittance of payment for services or failure to provide timely notification of defects shall be considered acceptance of such services, except as to latent defects which reasonable and timely examination would not have revealed.



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108207

August 17, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 8/13/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108207

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108207-001	Art-N37-W06-153	08/13/2021 1:50 PM	08/13/2021 4:29 PM
2108207-002	Art-N51-W07-153	08/13/2021 1:30 PM	08/13/2021 4:29 PM
2108207-003	Art-N43-W06-147	08/13/2021 1:40 PM	08/13/2021 4:29 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 8/13/2021 1:50:00 PM

Project: Schnitzer Artise

Lab ID: 2108207-001

Matrix: Soil

Client Sample ID: Art-N37-W06-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33363

Analyst: MM

Diesel (Fuel Oil)	ND	46.6		mg/Kg-dry	1	8/16/2021 12:17:48 PM
Heavy Oil	ND	93.2		mg/Kg-dry	1	8/16/2021 12:17:48 PM
Total Petroleum Hydrocarbons	ND	140		mg/Kg-dry	1	8/16/2021 12:17:48 PM
Surr: 2-Fluorobiphenyl	80.6	50 - 150		%Rec	1	8/16/2021 12:17:48 PM
Surr: o-Terphenyl	90.0	50 - 150		%Rec	1	8/16/2021 12:17:48 PM

Gasoline by NWTPH-Gx

Batch ID: 33347

Analyst: KT

Gasoline	ND	3.95		mg/Kg-dry	1	8/16/2021 7:34:24 PM
Surr: Toluene-d8	97.2	65 - 135		%Rec	1	8/16/2021 7:34:24 PM
Surr: 4-Bromofluorobenzene	89.5	65 - 135		%Rec	1	8/16/2021 7:34:24 PM

Sample Moisture (Percent Moisture)

Batch ID: R69244

Analyst: cb

Percent Moisture	6.47	0.500		wt%	1	8/16/2021 8:58:37 AM
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Client: Aspect Consulting

Collection Date: 8/13/2021 1:30:00 PM

Project: Schnitzer Artise

Lab ID: 2108207-002

Matrix: Soil

Client Sample ID: Art-N51-W07-153

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33363

Analyst: MM

Diesel (Fuel Oil)	ND	49.9		mg/Kg-dry	1	8/16/2021 12:56:15 PM
Heavy Oil	ND	99.7		mg/Kg-dry	1	8/16/2021 12:56:15 PM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	8/16/2021 12:56:15 PM
Surr: 2-Fluorobiphenyl	77.1	50 - 150		%Rec	1	8/16/2021 12:56:15 PM
Surr: o-Terphenyl	85.0	50 - 150		%Rec	1	8/16/2021 12:56:15 PM

Gasoline by NWTPH-Gx

Batch ID: 33347

Analyst: KT

Gasoline	ND	4.03		mg/Kg-dry	1	8/16/2021 8:34:41 PM
Surr: Toluene-d8	98.4	65 - 135		%Rec	1	8/16/2021 8:34:41 PM
Surr: 4-Bromofluorobenzene	86.0	65 - 135		%Rec	1	8/16/2021 8:34:41 PM

Sample Moisture (Percent Moisture)

Batch ID: R69244

Analyst: cb

Percent Moisture	7.92	0.500		wt%	1	8/16/2021 8:58:37 AM
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Client: Aspect Consulting

Collection Date: 8/13/2021 1:40:00 PM

Project: Schnitzer Artise

Lab ID: 2108207-003

Matrix: Soil

Client Sample ID: Art-N43-W06-147

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33363 Analyst: MM

Diesel (Fuel Oil)	ND	50.1		mg/Kg-dry	1	8/16/2021 1:21:49 PM
Heavy Oil	ND	100		mg/Kg-dry	1	8/16/2021 1:21:49 PM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	8/16/2021 1:21:49 PM
Surr: 2-Fluorobiphenyl	78.1	50 - 150		%Rec	1	8/16/2021 1:21:49 PM
Surr: o-Terphenyl	87.9	50 - 150		%Rec	1	8/16/2021 1:21:49 PM

Gasoline by NWTPH-Gx

Batch ID: 33347 Analyst: KT

Gasoline	ND	3.49		mg/Kg-dry	1	8/16/2021 9:04:49 PM
Surr: Toluene-d8	96.6	65 - 135		%Rec	1	8/16/2021 9:04:49 PM
Surr: 4-Bromofluorobenzene	87.7	65 - 135		%Rec	1	8/16/2021 9:04:49 PM

Sample Moisture (Percent Moisture)

Batch ID: R69244 Analyst: cb

Percent Moisture	9.60	0.500		wt%	1	8/16/2021 8:58:37 AM
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Work Order: 2108207
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33363	SampType: MBLK	Units: mg/Kg			Prep Date: 8/16/2021	RunNo: 69262					
Client ID: MBLKS	Batch ID: 33363				Analysis Date: 8/16/2021	SeqNo: 1402952					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	7.88		10.00		78.8	50	150				
Surr: o-Terphenyl	8.85		10.00		88.5	50	150				

Sample ID: LCS-33363	SampType: LCS	Units: mg/Kg			Prep Date: 8/16/2021	RunNo: 69262					
Client ID: LCSS	Batch ID: 33363				Analysis Date: 8/16/2021	SeqNo: 1402953					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	462	150	500.0	0	92.5	77.2	122				
Surr: 2-Fluorobiphenyl	7.88		10.00		78.8	50	150				
Surr: o-Terphenyl	10.5		10.00		105	50	150				

Sample ID: 2108207-001AMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 8/16/2021	RunNo: 69262					
Client ID: Art-N37-W06-153	Batch ID: 33363				Analysis Date: 8/16/2021	SeqNo: 1402956					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	444	137	458.1	0	97.0	68	132				
Surr: 2-Fluorobiphenyl	7.34		9.161		80.1	50	150				
Surr: o-Terphenyl	9.67		9.161		106	50	150				

Sample ID: 2108207-001AMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 8/16/2021	RunNo: 69262					
Client ID: Art-N37-W06-153	Batch ID: 33363				Analysis Date: 8/16/2021	SeqNo: 1402957					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	440	139	463.6	0	95.0	68	132	444.4	0.887	30	
Surr: 2-Fluorobiphenyl	7.79		9.273		84.0	50	150		0		
Surr: o-Terphenyl	9.92		9.273		107	50	150		0		

Work Order: 2108207
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108207-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/16/2021	RunNo: 69262							
Client ID: Art-N37-W06-153	Batch ID: 33363	Analysis Date: 8/16/2021	SeqNo: 1402957								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2108207-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/16/2021	RunNo: 69262							
Client ID: Art-N51-W07-153	Batch ID: 33363	Analysis Date: 8/16/2021	SeqNo: 1402959								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	49.5						0		30	
Heavy Oil	ND	99.1						0		30	
Total Petroleum Hydrocarbons	ND	149						0		30	
Surr: 2-Fluorobiphenyl	7.93		9.909		80.0	50	150		0		
Surr: o-Terphenyl	8.82		9.909		89.0	50	150		0		

Work Order: 2108207
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33347	SampType: LCS	Units: mg/Kg			Prep Date: 8/16/2021	RunNo: 69271					
Client ID: LCSS	Batch ID: 33347				Analysis Date: 8/16/2021	SeqNo: 1403310					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	25.3	5.00	25.00	0	101	65	135				
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID: MB-33347	SampType: MBLK	Units: mg/Kg			Prep Date: 8/16/2021	RunNo: 69271					
Client ID: MBLKS	Batch ID: 33347				Analysis Date: 8/16/2021	SeqNo: 1403311					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.22		1.250		97.5	65	135				
Surr: 4-Bromofluorobenzene	1.10		1.250		87.9	65	135				

Sample ID: 2108207-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/16/2021	RunNo: 69271					
Client ID: Art-N37-W06-153	Batch ID: 33347				Analysis Date: 8/16/2021	SeqNo: 1403289					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.95						0		30	
Surr: Toluene-d8	0.957		0.9866		97.0	65	135		0		
Surr: 4-Bromofluorobenzene	0.879		0.9866		89.1	65	135		0		

Sample ID: 2108218-002BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 8/16/2021	RunNo: 69271					
Client ID: BATCH	Batch ID: 33347				Analysis Date: 8/16/2021	SeqNo: 1403294					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.21						0		30	
Surr: Toluene-d8	1.02		1.053		96.9	65	135		0		
Surr: 4-Bromofluorobenzene	0.927		1.053		88.1	65	135		0		

Work Order: 2108207
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2108207-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/16/2021	RunNo: 69271							
Client ID: Art-N51-W07-153	Batch ID: 33347		Analysis Date: 8/17/2021	SeqNo: 1403291							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.7	4.03	20.13	3.332	101	65	135				
Surr: Toluene-d8	1.02		1.007		102	65	135				
Surr: 4-Bromofluorobenzene	1.01		1.007		100	65	135				

Client Name: AC	Work Order Number: 2108207
Logged by: Clare Griggs	Date Received: 8/13/2021 4:29:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	3.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/13/21 Page: 1 of 1

Laboratory Project No (Internal): 22052207

Project Name: Schmitt

Special Remarks:

Project No: 190298

Collected by: JRS

Location:

Report To (PM): Ali Cebrenel

PM Email:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: Asport Consulting
Address:
City, State, Zip:
Telephone: 316.67.0499
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes													Comments		
					VOCS (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 - SIM)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 / 625)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)				
1 Art-N37-WD6-153	8/13/21	1350	Soil	3	X															
2 Art-N51-WD7-153		1330																		
3 Art-N43-WD6-147		1340																		
4																				
5																				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MICA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Nitrate+Nitrite
 I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day (specify)
 2 Day

Relinquished (Signature) [Signature] Date/Time 8/13/21 1625
 Print Name Dan Blood
 Relinquished (Signature) [Signature] Date/Time 8/13/21 1625
 Print Name Steve Kov



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108219

August 17, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 8/16/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108219

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108219-001	Art-N33-W10-150	08/16/2021 9:45 AM	08/16/2021 2:41 PM
2108219-002	Art-N28-W10-150	08/16/2021 9:50 AM	08/16/2021 2:41 PM
2108219-003	Art-FDA1-SP1	08/16/2021 1:30 PM	08/16/2021 2:41 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

8/17/2021: Revision 1 includes sample ID revision requested by client.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2108219-001

Collection Date: 8/16/2021 9:45:00 AM

Client Sample ID: Art-N33-W10-150

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33380		Analyst: MM
Diesel (Fuel Oil)	ND	49.0		mg/Kg-dry	1	8/17/2021 12:18:43 PM
Heavy Oil	ND	98.1		mg/Kg-dry	1	8/17/2021 12:18:43 PM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	8/17/2021 12:18:43 PM
Surr: 2-Fluorobiphenyl	91.5	50 - 150		%Rec	1	8/17/2021 12:18:43 PM
Surr: o-Terphenyl	96.4	50 - 150		%Rec	1	8/17/2021 12:18:43 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33347		Analyst: KT
Gasoline	ND	3.25		mg/Kg-dry	1	8/16/2021 11:35:24 PM
Surr: Toluene-d8	97.9	65 - 135		%Rec	1	8/16/2021 11:35:24 PM
Surr: 4-Bromofluorobenzene	86.9	65 - 135		%Rec	1	8/16/2021 11:35:24 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R69269		Analyst: OK
Percent Moisture	9.30	0.500		wt%	1	8/17/2021 8:29:13 AM



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2108219-002

Collection Date: 8/16/2021 9:50:00 AM

Client Sample ID: Art-N28-W10-150

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33371		Analyst: MM
Diesel (Fuel Oil)	ND	47.3		mg/Kg-dry	1	8/17/2021 10:07:34 AM
Heavy Oil	ND	94.6		mg/Kg-dry	1	8/17/2021 10:07:34 AM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	8/17/2021 10:07:34 AM
Surr: 2-Fluorobiphenyl	79.7	50 - 150		%Rec	1	8/17/2021 10:07:34 AM
Surr: o-Terphenyl	90.9	50 - 150		%Rec	1	8/17/2021 10:07:34 AM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33347		Analyst: KT
Gasoline	ND	3.22		mg/Kg-dry	1	8/17/2021 12:05:32 AM
Surr: Toluene-d8	96.8	65 - 135		%Rec	1	8/17/2021 12:05:32 AM
Surr: 4-Bromofluorobenzene	87.9	65 - 135		%Rec	1	8/17/2021 12:05:32 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R69269		Analyst: OK
Percent Moisture	7.56	0.500		wt%	1	8/17/2021 8:29:13 AM



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2108219-003

Collection Date: 8/16/2021 1:30:00 PM

Client Sample ID: Art-FDA1-SP1

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33371	Analyst: MM
Diesel (Fuel Oil)	3,550	47.9		mg/Kg-dry	1	8/17/2021 10:33:14 AM
Heavy Oil	ND	95.7		mg/Kg-dry	1	8/17/2021 10:33:14 AM
Total Petroleum Hydrocarbons	3,550	144		mg/Kg-dry	1	8/17/2021 10:33:14 AM
Surr: 2-Fluorobiphenyl	108	50 - 150		%Rec	1	8/17/2021 10:33:14 AM
Surr: o-Terphenyl	110	50 - 150		%Rec	1	8/17/2021 10:33:14 AM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33347	Analyst: KT
Gasoline	ND	4.62		mg/Kg-dry	1	8/17/2021 12:35:40 AM
Surr: Toluene-d8	97.4	65 - 135		%Rec	1	8/17/2021 12:35:40 AM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	8/17/2021 12:35:40 AM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69269	Analyst: OK
Percent Moisture	8.52	0.500		wt%	1	8/17/2021 8:29:13 AM

Work Order: 2108219
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33371	SampType: MBLK	Units: mg/Kg				Prep Date: 8/16/2021	RunNo: 69279				
Client ID: MBLKS	Batch ID: 33371					Analysis Date: 8/17/2021	SeqNo: 1403558				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.81		10.00		88.1	50	150				
Surr: o-Terphenyl	9.82		10.00		98.2	50	150				

Sample ID: LCS-33371	SampType: LCS	Units: mg/Kg				Prep Date: 8/16/2021	RunNo: 69279				
Client ID: LCSS	Batch ID: 33371					Analysis Date: 8/17/2021	SeqNo: 1403559				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	511	150	500.0	0	102	77.2	122				
Surr: 2-Fluorobiphenyl	8.76		10.00		87.6	50	150				
Surr: o-Terphenyl	11.4		10.00		114	50	150				

Sample ID: 2108204-013AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/16/2021	RunNo: 69279				
Client ID: BATCH	Batch ID: 33371					Analysis Date: 8/17/2021	SeqNo: 1403562				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	511	157	524.0	0	97.5	68	132				
Surr: 2-Fluorobiphenyl	8.95		10.48		85.4	50	150				
Surr: o-Terphenyl	11.8		10.48		112	50	150				

Sample ID: 2108204-013AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/16/2021	RunNo: 69279				
Client ID: BATCH	Batch ID: 33371					Analysis Date: 8/17/2021	SeqNo: 1403563				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	522	158	527.0	0	99.0	68	132	510.7	2.12	30	
Surr: 2-Fluorobiphenyl	9.27		10.54		88.0	50	150		0		
Surr: o-Terphenyl	11.8		10.54		112	50	150		0		

Work Order: 2108219
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108204-013AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/16/2021	RunNo: 69279							
Client ID: BATCH	Batch ID: 33371	Analysis Date: 8/17/2021	SeqNo: 1403563								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2108219-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/16/2021	RunNo: 69279							
Client ID: Art-N28-W10-150	Batch ID: 33371	Analysis Date: 8/17/2021	SeqNo: 1403565								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	45.7						0		30	
Heavy Oil	ND	91.4						0		30	
Total Petroleum Hydrocarbons	ND	137						0		30	
Surr: 2-Fluorobiphenyl	7.09		9.145		77.5	50	150		0		
Surr: o-Terphenyl	8.16		9.145		89.2	50	150		0		

Sample ID: MB-33380	SampType: MBLK	Units: mg/Kg	Prep Date: 8/17/2021	RunNo: 69278							
Client ID: MBLKS	Batch ID: 33380	Analysis Date: 8/17/2021	SeqNo: 1403603								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	10.1		10.00		101	50	150				
Surr: o-Terphenyl	11.0		10.00		110	50	150				

Sample ID: LCS-33380	SampType: LCS	Units: mg/Kg	Prep Date: 8/17/2021	RunNo: 69278							
Client ID: LCSS	Batch ID: 33380	Analysis Date: 8/17/2021	SeqNo: 1403604								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	558	150	500.0	0	112	77.2	122				
Surr: 2-Fluorobiphenyl	11.3		10.00		113	50	150				
Surr: o-Terphenyl	13.4		10.00		134	50	150				

Work Order: 2108219
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108218-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/17/2021	RunNo: 69278							
Client ID: BATCH	Batch ID: 33380		Analysis Date: 8/17/2021	SeqNo: 1403598							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Petroleum Hydrocarbons	563	157	524.7	0	107	68	132				
Surr: 2-Fluorobiphenyl	10.9		10.49		104	50	150				
Surr: o-Terphenyl	13.2		10.49		126	50	150				

Sample ID: 2108218-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/17/2021	RunNo: 69278							
Client ID: BATCH	Batch ID: 33380		Analysis Date: 8/17/2021	SeqNo: 1403599							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Petroleum Hydrocarbons	508	158	525.3	0	96.7	68	132	562.9	10.3	30	
Surr: 2-Fluorobiphenyl	8.72		10.51		83.0	50	150		0		
Surr: o-Terphenyl	11.7		10.51		111	50	150		0		

Work Order: 2108219
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33347	SampType: LCS	Units: mg/Kg			Prep Date: 8/16/2021	RunNo: 69271					
Client ID: LCSS	Batch ID: 33347				Analysis Date: 8/16/2021	SeqNo: 1403310					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	25.3	5.00	25.00	0	101	65	135				
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID: MB-33347	SampType: MBLK	Units: mg/Kg			Prep Date: 8/16/2021	RunNo: 69271					
Client ID: MBLKS	Batch ID: 33347				Analysis Date: 8/16/2021	SeqNo: 1403311					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.22		1.250		97.5	65	135				
Surr: 4-Bromofluorobenzene	1.10		1.250		87.9	65	135				

Sample ID: 2108207-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/16/2021	RunNo: 69271					
Client ID: BATCH	Batch ID: 33347				Analysis Date: 8/16/2021	SeqNo: 1403289					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.95						0		30	
Surr: Toluene-d8	0.957		0.9866		97.0	65	135		0		
Surr: 4-Bromofluorobenzene	0.879		0.9866		89.1	65	135		0		

Sample ID: 2108218-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/16/2021	RunNo: 69271					
Client ID: BATCH	Batch ID: 33347				Analysis Date: 8/16/2021	SeqNo: 1403294					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.60						0		30	
Surr: Toluene-d8	1.11		1.149		96.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.01		1.149		88.1	65	135		0		

Work Order: 2108219
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2108207-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/16/2021	RunNo: 69271							
Client ID: BATCH	Batch ID: 33347	Analysis Date: 8/17/2021	SeqNo: 1403291								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.7	4.03	20.13	3.332	101	65	135				
Surr: Toluene-d8	1.02		1.007		102	65	135				
Surr: 4-Bromofluorobenzene	1.01		1.007		100	65	135				

Client Name: **AC**

 Work Order Number: **2108219**

 Logged by: **Clare Griggs**

 Date Received: **8/16/2021 2:41:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	3.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/16/21 Page: 1 of 1

Project Name: Schmitzer

Project No: 190298

Collected by: JRS

Location:

Report To (PM): Al. Cochran

PM Email: acochran@aspectconsulting.com

Laboratory Project No (Internal): 2108219

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	STEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 Art-N33-WID-150	8/16/21	0945	Soil	3	X	X	X	X	X	X	X	X	X	X	X	X	
2 Art-N28-WID-150		0950															
3 Art-N44-UBA-1HS		1330															
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

Turn-around Time: Standard Next Day 3 Day Same Day (specify) _____

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Date/Time: 8/16/21 1:35 PM

Print Name: Dave Schmitzer

Relinquished (Signature) _____ Date/Time: 8/16/21 1:35 PM

Print Name: Steve Miller

Received (Signature) _____ Date/Time: 8/16/21 14:41

Print Name: Justine Wang



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/16/21 Page: 1 of 1
Project Name: Schmitzer
Project No: 190298
Collected by: JRS

Laboratory Project No (Internal): 2108219
Special Remarks: Sample ID revision per A.C. 8/17/21 - BB

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone: 316.617.0499

Fax:

Location:

Report To (PM): Al. Cochran

PM Email: acochran@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	STEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 Art-N33-WID-150	8/16/21	0945	Soil	3	X	X	X	X	X	X	X	X	X	X	X	X	
2 Art-N28-WID-150		0950															
3 Art-N44-UB1-115		1330															"Art-FDA1-SP1"
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Date/Time _____
 Print Name: Dan B. Mack Date/Time: 8/16/21 1:35:28
 Relinquished (Signature) _____ Date/Time _____
 Print Name: _____ Date/Time: 8/16/21

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify) _____



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2108239

August 18, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 8/17/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original



Date: 08/18/2021

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108239

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108239-001	Art-N42-W07-143	08/17/2021 9:00 AM	08/17/2021 1:15 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2108239-001

Collection Date: 8/17/2021 9:00:00 AM

Client Sample ID: Art-N42-W07-143

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33380

Analyst: MM

Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	8/17/2021 5:44:26 PM
Heavy Oil	ND	102		mg/Kg-dry	1	8/17/2021 5:44:26 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	8/17/2021 5:44:26 PM
Surr: 2-Fluorobiphenyl	85.7	50 - 150		%Rec	1	8/17/2021 5:44:26 PM
Surr: o-Terphenyl	91.4	50 - 150		%Rec	1	8/17/2021 5:44:26 PM

Gasoline by NWTPH-Gx

Batch ID: 33391

Analyst: KT

Gasoline	ND	4.09		mg/Kg-dry	1	8/18/2021 1:57:12 AM
Surr: Toluene-d8	93.2	65 - 135		%Rec	1	8/18/2021 1:57:12 AM
Surr: 4-Bromofluorobenzene	92.1	65 - 135		%Rec	1	8/18/2021 1:57:12 AM

Sample Moisture (Percent Moisture)

Batch ID: R69284

Analyst: ALB

Percent Moisture	9.19	0.500		wt%	1	8/17/2021 1:53:47 PM
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Work Order: 2108239
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33380	SampType: MBLK	Units: mg/Kg	Prep Date: 8/17/2021	RunNo: 69278							
Client ID: MBLKS	Batch ID: 33380		Analysis Date: 8/17/2021	SeqNo: 1403603							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	10.1		10.00		101	50	150				
Surr: o-Terphenyl	11.0		10.00		110	50	150				

Sample ID: LCS-33380	SampType: LCS	Units: mg/Kg	Prep Date: 8/17/2021	RunNo: 69278							
Client ID: LCSS	Batch ID: 33380		Analysis Date: 8/17/2021	SeqNo: 1403604							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	558	150	500.0	0	112	77.2	122				
Surr: 2-Fluorobiphenyl	11.3		10.00		113	50	150				
Surr: o-Terphenyl	13.4		10.00		134	50	150				

Sample ID: 2108218-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/17/2021	RunNo: 69278							
Client ID: BATCH	Batch ID: 33380		Analysis Date: 8/17/2021	SeqNo: 1403598							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	563	157	524.7	0	107	68	132				
Surr: 2-Fluorobiphenyl	10.9		10.49		104	50	150				
Surr: o-Terphenyl	13.2		10.49		126	50	150				

Sample ID: 2108218-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/17/2021	RunNo: 69278							
Client ID: BATCH	Batch ID: 33380		Analysis Date: 8/17/2021	SeqNo: 1403599							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	508	158	525.3	0	96.7	68	132	562.9	10.3	30	
Surr: 2-Fluorobiphenyl	8.72		10.51		83.0	50	150		0		
Surr: o-Terphenyl	11.7		10.51		111	50	150		0		



Date: 8/18/2021

Work Order: 2108239
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108218-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/17/2021	RunNo: 69278							
Client ID: BATCH	Batch ID: 33380	Analysis Date: 8/17/2021	SeqNo: 1403599								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2108239
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33391	SampType: LCS	Units: mg/Kg			Prep Date: 8/17/2021	RunNo: 69302					
Client ID: LCSS	Batch ID: 33391				Analysis Date: 8/17/2021	SeqNo: 1404062					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	29.7	5.00	25.00	0	119	65	135				
Surr: Toluene-d8	1.18		1.250		94.1	65	135				
Surr: 4-Bromofluorobenzene	1.21		1.250		96.5	65	135				

Sample ID: MB-33391	SampType: MBLK	Units: mg/Kg			Prep Date: 8/17/2021	RunNo: 69302					
Client ID: MBLKS	Batch ID: 33391				Analysis Date: 8/17/2021	SeqNo: 1404063					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.18		1.250		94.3	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		99.9	65	135				

Sample ID: 2108204-004BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/17/2021	RunNo: 69302					
Client ID: BATCH	Batch ID: 33391				Analysis Date: 8/17/2021	SeqNo: 1404065					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.33						0		30	
Surr: Toluene-d8	1.00		1.081		92.8	65	135		0		
Surr: 4-Bromofluorobenzene	1.01		1.081		93.4	65	135		0		

Sample ID: 2108239-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 8/17/2021	RunNo: 69302					
Client ID: Art-N42-W07-143	Batch ID: 33391				Analysis Date: 8/18/2021	SeqNo: 1404071					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	25.2	4.09	20.45	0	123	65	135				
Surr: Toluene-d8	0.947		1.023		92.6	65	135				
Surr: 4-Bromofluorobenzene	0.990		1.023		96.8	65	135				

Client Name: **AC**

 Work Order Number: **2108239**

 Logged by: **Clare Griggs**

 Date Received: **8/17/2021 1:15:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	4.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/17/21

Page: 1 of 1

Project Name: 190298

Laboratory Project No (Internal): 2108239

Client: Aspect Consulting

Project No: Schmitzer

Address: Collected by: DZIS

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Ali Cochane

Fax: PM Email: a.cochane@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (A)***	EDB (8011)	Comments
1 Art-N42-W07-143	8/17/21	0400	Soil	3		X											
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MICA-5 RCA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sp Sr Sn Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) _____ Date/Time 8/17/21 1200
 Relinquished (Signature) _____ Date/Time 8/17/21 11:58
 Received (Signature) _____ Date/Time 8/17/21 1315



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108261

August 19, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 8/18/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108261

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108261-001	Art-N46-W07-145	08/18/2021 6:50 AM	08/18/2021 3:00 PM
2108261-002	Art-N41-W09-145	08/18/2021 6:35 AM	08/18/2021 3:00 PM
2108261-003	Art-N36-W08-145	08/18/2021 7:00 AM	08/18/2021 3:00 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2108261-001

Collection Date: 8/18/2021 6:50:00 AM

Client Sample ID: Art-N46-W07-145

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33402		Analyst: MM
Diesel (Fuel Oil)	ND	50.5		mg/Kg-dry	1	8/18/2021 11:40:21 PM
Heavy Oil	ND	101		mg/Kg-dry	1	8/18/2021 11:40:21 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	8/18/2021 11:40:21 PM
Surr: 2-Fluorobiphenyl	79.3	50 - 150		%Rec	1	8/18/2021 11:40:21 PM
Surr: o-Terphenyl	87.2	50 - 150		%Rec	1	8/18/2021 11:40:21 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33412		Analyst: CR
Gasoline	ND	3.50		mg/Kg-dry	1	8/19/2021 3:57:25 AM
Surr: Toluene-d8	92.5	65 - 135		%Rec	1	8/19/2021 3:57:25 AM
Surr: 4-Bromofluorobenzene	91.4	65 - 135		%Rec	1	8/19/2021 3:57:25 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R69313		Analyst: KJ
Percent Moisture	6.50	0.500		wt%	1	8/18/2021 11:47:15 AM



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2108261-002

Collection Date: 8/18/2021 6:35:00 AM

Client Sample ID: Art-N41-W09-145

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33402	Analyst: MM
Diesel (Fuel Oil)	ND	53.2		mg/Kg-dry	1	8/19/2021 12:06:03 AM
Heavy Oil	ND	106		mg/Kg-dry	1	8/19/2021 12:06:03 AM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	8/19/2021 12:06:03 AM
Surr: 2-Fluorobiphenyl	82.4	50 - 150		%Rec	1	8/19/2021 12:06:03 AM
Surr: o-Terphenyl	89.3	50 - 150		%Rec	1	8/19/2021 12:06:03 AM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33412	Analyst: CR
Gasoline	ND	3.78		mg/Kg-dry	1	8/19/2021 4:28:23 AM
Surr: Toluene-d8	95.7	65 - 135		%Rec	1	8/19/2021 4:28:23 AM
Surr: 4-Bromofluorobenzene	90.3	65 - 135		%Rec	1	8/19/2021 4:28:23 AM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69313	Analyst: KJ
Percent Moisture	7.55	0.500		wt%	1	8/18/2021 11:47:15 AM



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2108261-003

Collection Date: 8/18/2021 7:00:00 AM

Client Sample ID: Art-N36-W08-145

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33402		Analyst: MM
Diesel (Fuel Oil)	ND	53.9		mg/Kg-dry	1	8/19/2021 12:31:49 AM
Heavy Oil	ND	108		mg/Kg-dry	1	8/19/2021 12:31:49 AM
Total Petroleum Hydrocarbons	ND	162		mg/Kg-dry	1	8/19/2021 12:31:49 AM
Surr: 2-Fluorobiphenyl	74.9	50 - 150		%Rec	1	8/19/2021 12:31:49 AM
Surr: o-Terphenyl	83.8	50 - 150		%Rec	1	8/19/2021 12:31:49 AM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33412		Analyst: CR
Gasoline	ND	4.41		mg/Kg-dry	1	8/19/2021 4:59:18 AM
Surr: Toluene-d8	92.8	65 - 135		%Rec	1	8/19/2021 4:59:18 AM
Surr: 4-Bromofluorobenzene	95.0	65 - 135		%Rec	1	8/19/2021 4:59:18 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R69313		Analyst: KJ
Percent Moisture	8.29	0.500		wt%	1	8/18/2021 11:47:15 AM

Work Order: 2108261
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33402	SampType: MBLK	Units: mg/Kg				Prep Date: 8/18/2021	RunNo: 69331				
Client ID: MBLKS	Batch ID: 33402					Analysis Date: 8/18/2021	SeqNo: 1404824				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.68		10.00		96.8	50	150				
Surr: o-Terphenyl	10.4		10.00		104	50	150				

Sample ID: LCS-33402	SampType: LCS	Units: mg/Kg				Prep Date: 8/18/2021	RunNo: 69331				
Client ID: LCSS	Batch ID: 33402					Analysis Date: 8/18/2021	SeqNo: 1404825				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	501	150	500.0	0	100	77.2	122				
Surr: 2-Fluorobiphenyl	9.52		10.00		95.2	50	150				
Surr: o-Terphenyl	11.5		10.00		115	50	150				

Sample ID: 2108245-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/18/2021	RunNo: 69331				
Client ID: BATCH	Batch ID: 33402					Analysis Date: 8/18/2021	SeqNo: 1404827				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	523	152	508.2	38.88	95.2	68	132				
Surr: 2-Fluorobiphenyl	9.41		10.16		92.6	50	150				
Surr: o-Terphenyl	11.5		10.16		113	50	150				

Sample ID: 2108245-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/18/2021	RunNo: 69331				
Client ID: BATCH	Batch ID: 33402					Analysis Date: 8/18/2021	SeqNo: 1404828				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	538	152	505.8	38.88	98.7	68	132	522.6	2.92	30	
Surr: 2-Fluorobiphenyl	10.1		10.12		99.8	50	150		0		
Surr: o-Terphenyl	12.7		10.12		125	50	150		0		

Work Order: 2108261
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108245-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/18/2021	RunNo: 69331							
Client ID: BATCH	Batch ID: 33402	Analysis Date: 8/18/2021	SeqNo: 1404828								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2108254-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/18/2021	RunNo: 69331							
Client ID: BATCH	Batch ID: 33402	Analysis Date: 8/18/2021	SeqNo: 1404842								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	58.9						0		30	
Heavy Oil	196	118						299.2	41.7	30	
Total Petroleum Hydrocarbons	196	177						299.2	41.7	30	
Surr: 2-Fluorobiphenyl	7.01		11.79		59.5	50	150		0		
Surr: o-Terphenyl	7.24		11.79		61.4	50	150		0		

Work Order: 2108261
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33412	SampType: LCS	Units: mg/Kg			Prep Date: 8/18/2021	RunNo: 69338					
Client ID: LCSS	Batch ID: 33412				Analysis Date: 8/18/2021	SeqNo: 1405106					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	25.1	5.00	25.00	0	101	65	135				
Surr: Toluene-d8	1.17		1.250		93.9	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		102	65	135				

Sample ID: MB-33412	SampType: MBLK	Units: mg/Kg			Prep Date: 8/18/2021	RunNo: 69338					
Client ID: MBLKS	Batch ID: 33412				Analysis Date: 8/18/2021	SeqNo: 1405107					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.33		1.250		106	65	135				

Sample ID: 2108245-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/18/2021	RunNo: 69338					
Client ID: BATCH	Batch ID: 33412				Analysis Date: 8/18/2021	SeqNo: 1405109					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.02						0		30	
Surr: Toluene-d8	1.17		1.256		93.3	65	135		0		
Surr: 4-Bromofluorobenzene	1.20		1.256		95.4	65	135		0		

Sample ID: 2108254-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/18/2021	RunNo: 69338					
Client ID: BATCH	Batch ID: 33412				Analysis Date: 8/18/2021	SeqNo: 1405111					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.78						0		30	
Surr: Toluene-d8	0.920		0.9450		97.4	65	135		0		
Surr: 4-Bromofluorobenzene	0.882		0.9450		93.3	65	135		0		

Work Order: 2108261
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2108254-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/18/2021	RunNo: 69338							
Client ID: BATCH	Batch ID: 33412	Analysis Date: 8/19/2021	SeqNo: 1405113								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	20.7	3.54	17.72	0	117	65	135				
Surr: Toluene-d8	0.823		0.8862		92.9	65	135				
Surr: 4-Bromofluorobenzene	0.829		0.8862		93.6	65	135				

Client Name: AC	Work Order Number: 2108261
Logged by: Clare Griggs	Date Received: 8/18/2021 3:00:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	4.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/18/21 Page: 1 of 1
Project Name: Schnitzer

Laboratory Project No (Internal): 2108961
Special Remarks:

Client: Aspet Consulting

Project No: 190298

Collected by: DRIS

Sample Disposal: Return to client Disposal by lab (after 30 days)

Address:

Location:

Telephone: 316.617.0499

Report To (PM): AI: Colvane

PM Email: acolvane@aspetconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes												Comments	
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HClD)	Diesel/heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)		
1 Art-NH6-U07-145	8/18/21	0650	Soil	3		x												
2 Art-NH1-U09-145		0655																
3 Art-N36-U08-145		0700																
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) *[Signature]* Print Name *Justin Marts* Date/Time *8/18 15:00*

Relinquished (Signature) *[Signature]* Print Name *Justin Marts* Date/Time *8/18 15:00*

Relinquished (Signature) *[Signature]* Print Name *Justin Marts* Date/Time *8/18 15:00*



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108274

August 20, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 8/19/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108274

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108274-001	Art-N48-W01-149	08/19/2021 7:40 AM	08/19/2021 12:38 PM
2108274-002	Art-N46-W00-149	08/19/2021 9:15 AM	08/19/2021 12:38 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 8/19/2021 7:40:00 AM

Project: Schnitzer Artise

Lab ID: 2108274-001

Matrix: Soil

Client Sample ID: Art-N48-W01-149

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33426

Analyst: MM

Diesel (Fuel Oil)	ND	52.0		mg/Kg-dry	1	8/20/2021 10:06:52 AM
Heavy Oil	ND	104		mg/Kg-dry	1	8/20/2021 10:06:52 AM
Total Petroleum Hydrocarbons	ND	156		mg/Kg-dry	1	8/20/2021 10:06:52 AM
Surr: 2-Fluorobiphenyl	81.2	50 - 150		%Rec	1	8/20/2021 10:06:52 AM
Surr: o-Terphenyl	94.4	50 - 150		%Rec	1	8/20/2021 10:06:52 AM

Gasoline by NWTPH-Gx

Batch ID: 33415

Analyst: CR

Gasoline	ND	5.13		mg/Kg-dry	1	8/19/2021 8:10:29 PM
Surr: Toluene-d8	93.6	65 - 135		%Rec	1	8/19/2021 8:10:29 PM
Surr: 4-Bromofluorobenzene	97.9	65 - 135		%Rec	1	8/19/2021 8:10:29 PM

Sample Moisture (Percent Moisture)

Batch ID: R69363

Analyst: OK

Percent Moisture	7.52	0.500		wt%	1	8/20/2021 8:08:00 AM
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Client: Aspect Consulting

Collection Date: 8/19/2021 9:15:00 AM

Project: Schnitzer Artise

Lab ID: 2108274-002

Matrix: Soil

Client Sample ID: Art-N46-W00-149

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33426	Analyst: MM
Diesel (Fuel Oil)	ND	52.9		mg/Kg-dry	1	8/20/2021 10:32:38 AM
Heavy Oil	ND	106		mg/Kg-dry	1	8/20/2021 10:32:38 AM
Total Petroleum Hydrocarbons	ND	159		mg/Kg-dry	1	8/20/2021 10:32:38 AM
Surr: 2-Fluorobiphenyl	77.4	50 - 150		%Rec	1	8/20/2021 10:32:38 AM
Surr: o-Terphenyl	87.7	50 - 150		%Rec	1	8/20/2021 10:32:38 AM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33415	Analyst: CR
Gasoline	ND	3.35		mg/Kg-dry	1	8/19/2021 9:12:10 PM
Surr: Toluene-d8	87.6	65 - 135		%Rec	1	8/19/2021 9:12:10 PM
Surr: 4-Bromofluorobenzene	99.8	65 - 135		%Rec	1	8/19/2021 9:12:10 PM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69363	Analyst: OK
Percent Moisture	8.01	0.500		wt%	1	8/20/2021 8:08:00 AM

Work Order: 2108274
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108274-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/19/2021	RunNo: 69378					
Client ID: Art-N48-W01-149	Batch ID: 33426				Analysis Date: 8/20/2021	SeqNo: 1405735					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.1						0		30	
Heavy Oil	ND	100						0		30	
Total Petroleum Hydrocarbons	ND	150						0		30	
Surr: 2-Fluorobiphenyl	7.67		10.02		76.5	50	150		0		
Surr: o-Terphenyl	8.72		10.02		87.0	50	150		0		

Sample ID: MB-33426	SampType: MBLK	Units: mg/Kg			Prep Date: 8/19/2021	RunNo: 69378					
Client ID: MBLKS	Batch ID: 33426				Analysis Date: 8/20/2021	SeqNo: 1405782					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.77		10.00		97.7	50	150				
Surr: o-Terphenyl	11.0		10.00		110	50	150				

Sample ID: LCS-33426	SampType: LCS	Units: mg/Kg			Prep Date: 8/19/2021	RunNo: 69378					
Client ID: LCSS	Batch ID: 33426				Analysis Date: 8/20/2021	SeqNo: 1405783					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	501	150	500.0	0	100	77.2	122				
Surr: 2-Fluorobiphenyl	9.43		10.00		94.3	50	150				
Surr: o-Terphenyl	12.3		10.00		123	50	150				

Work Order: 2108274
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33415	SampType: LCS	Units: mg/Kg			Prep Date: 8/19/2021	RunNo: 69360					
Client ID: LCSS	Batch ID: 33415				Analysis Date: 8/19/2021	SeqNo: 1405506					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	26.7	5.00	25.00	0	107	65	135				
Surr: Toluene-d8	1.17		1.250		93.2	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID: MB-33415	SampType: MBLK	Units: mg/Kg			Prep Date: 8/19/2021	RunNo: 69360					
Client ID: MBLKS	Batch ID: 33415				Analysis Date: 8/19/2021	SeqNo: 1405507					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.31		1.250		105	65	135				
Surr: 4-Bromofluorobenzene	1.35		1.250		108	65	135				

Sample ID: 2108274-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/19/2021	RunNo: 69360					
Client ID: Art-N48-W01-149	Batch ID: 33415				Analysis Date: 8/19/2021	SeqNo: 1405509					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.13						0		30	
Surr: Toluene-d8	1.16		1.281		90.4	65	135		0		
Surr: 4-Bromofluorobenzene	1.25		1.281		97.5	65	135		0		

Sample ID: 2108274-002BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 8/19/2021	RunNo: 69360					
Client ID: Art-N46-W00-149	Batch ID: 33415				Analysis Date: 8/19/2021	SeqNo: 1405511					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.2	3.35	16.76	0	138	65	135				S
Surr: Toluene-d8	0.765		0.8381		91.3	65	135				
Surr: 4-Bromofluorobenzene	0.825		0.8381		98.4	65	135				

NOTES:

S - Outlying spike recoveries were associated with this sample; associated samples are non-detect.

Client Name: **AC**

 Work Order Number: **2108274**

 Logged by: **Gabrielle Coeuille**

 Date Received: **8/19/2021 12:38:35 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	3.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/19/2021 Page: 1 of 1

Laboratory Project No (Internal): 21082714
Special Remarks:

Client: Aspect Consulting

Project No: 190298

Address:

Collected by: JZB

City, State, Zip:

Location:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Telephone: 316.617.0499

Report To (PM): All Cahron e

Fax:

PM Email: acabrand@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes											Comments										
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**		EDB (8011)									
1 Art-NH8-W01-H9	8/19/21	0740	Soil	3		X																				
2 Art-NH6-W00-149		0915				X																				
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Davei Betzold	8/19/2021 1105	<i>[Signature]</i>	Davey Knox	8/19/21 1238
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>			<i>[Signature]</i>		



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108325

August 24, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 8/23/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108325

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108325-001	Art-N03-W05-151	08/23/2021 10:45 AM	08/23/2021 1:50 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 8/23/2021 10:45:00 AM

Project: Schnitzer Artise

Lab ID: 2108325-001

Matrix: Soil

Client Sample ID: Art-N03-W05-151

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33474	Analyst: MM
Diesel (Fuel Oil)	ND	54.6		mg/Kg-dry	1	8/24/2021 11:26:23 AM
Heavy Oil	ND	109		mg/Kg-dry	1	8/24/2021 11:26:23 AM
Total Petroleum Hydrocarbons	ND	164		mg/Kg-dry	1	8/24/2021 11:26:23 AM
Surr: 2-Fluorobiphenyl	83.5	50 - 150		%Rec	1	8/24/2021 11:26:23 AM
Surr: o-Terphenyl	95.3	50 - 150		%Rec	1	8/24/2021 11:26:23 AM
<u>Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)</u>					Batch ID: 33455	Analyst: SB
Benz(a)anthracene	ND	21.6		µg/Kg-dry	1	8/24/2021 9:30:59 AM
Chrysene	ND	43.1		µg/Kg-dry	1	8/24/2021 9:30:59 AM
Benzo(b)fluoranthene	ND	21.6		µg/Kg-dry	1	8/24/2021 9:30:59 AM
Benzo(k)fluoranthene	ND	21.6		µg/Kg-dry	1	8/24/2021 9:30:59 AM
Benzo(a)pyrene	ND	21.6		µg/Kg-dry	1	8/24/2021 9:30:59 AM
Indeno(1,2,3-cd)pyrene	ND	43.1		µg/Kg-dry	1	8/24/2021 9:30:59 AM
Dibenz(a,h)anthracene	ND	43.1		µg/Kg-dry	1	8/24/2021 9:30:59 AM
Surr: 2-Fluorobiphenyl	94.8	27.9 - 129		%Rec	1	8/24/2021 9:30:59 AM
Surr: Terphenyl-d14 (surr)	101	39.1 - 145		%Rec	1	8/24/2021 9:30:59 AM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33458	Analyst: KT
Gasoline	ND	4.16		mg/Kg-dry	1	8/24/2021 7:02:50 AM
Surr: Toluene-d8	99.3	65 - 135		%Rec	1	8/24/2021 7:02:50 AM
Surr: 4-Bromofluorobenzene	90.9	65 - 135		%Rec	1	8/24/2021 7:02:50 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69427	Analyst: ALB
Percent Moisture	9.76	0.500		wt%	1	8/24/2021 9:24:15 AM

Work Order: 2108325
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33474	SampType: MBLK	Units: mg/Kg				Prep Date: 8/24/2021	RunNo: 69447				
Client ID: MBLKS	Batch ID: 33474					Analysis Date: 8/24/2021	SeqNo: 1407092				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.46		10.00		84.6	50	150				
Surr: o-Terphenyl	9.36		10.00		93.6	50	150				

Sample ID: LCS-33474	SampType: LCS	Units: mg/Kg				Prep Date: 8/24/2021	RunNo: 69447				
Client ID: LCSS	Batch ID: 33474					Analysis Date: 8/24/2021	SeqNo: 1407093				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	501	150	500.0	0	100	77.2	122				
Surr: 2-Fluorobiphenyl	9.16		10.00		91.6	50	150				
Surr: o-Terphenyl	11.8		10.00		118	50	150				

Sample ID: 2108328-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/24/2021	RunNo: 69447				
Client ID: BATCH	Batch ID: 33474					Analysis Date: 8/24/2021	SeqNo: 1407095				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	517	147	490.8	0	105	68	132				
Surr: 2-Fluorobiphenyl	9.31		9.816		94.8	50	150				
Surr: o-Terphenyl	11.5		9.816		117	50	150				

Sample ID: 2108328-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/24/2021	RunNo: 69447				
Client ID: BATCH	Batch ID: 33474					Analysis Date: 8/24/2021	SeqNo: 1407096				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	482	143	476.2	0	101	68	132	516.9	6.95	30	
Surr: 2-Fluorobiphenyl	8.69		9.524		91.2	50	150		0		
Surr: o-Terphenyl	10.8		9.524		113	50	150		0		

Work Order: 2108325
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108328-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/24/2021	RunNo: 69447							
Client ID: BATCH	Batch ID: 33474	Analysis Date: 8/24/2021	SeqNo: 1407096								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2108325
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-33455	SampType: MBLK	Units: µg/Kg	Prep Date: 8/23/2021	RunNo: 69442							
Client ID: MBLKS	Batch ID: 33455	Analysis Date: 8/24/2021	SeqNo: 1407029								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Surr: 2-Fluorobiphenyl	889		1,000		88.9	27.9	129				
Surr: Terphenyl-d14 (surr)	988		1,000		98.8	39.1	145				

Sample ID: LCS-33455	SampType: LCS	Units: µg/Kg	Prep Date: 8/23/2021	RunNo: 69442							
Client ID: LCSS	Batch ID: 33455	Analysis Date: 8/24/2021	SeqNo: 1407030								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	2,160	20.0	2,000	0	108	68.1	109				
Chrysene	2,300	40.0	2,000	0	115	61.5	109				S
Benzo(b)fluoranthene	2,200	20.0	2,000	0	110	62.9	116				
Benzo(k)fluoranthene	2,330	20.0	2,000	0	117	62.2	112				S
Benzo(a)pyrene	2,400	20.0	2,000	0	120	69.2	123				
Indeno(1,2,3-cd)pyrene	2,220	40.0	2,000	0	111	68.9	109				S
Dibenz(a,h)anthracene	2,240	40.0	2,000	0	112	68.6	113				
Surr: 2-Fluorobiphenyl	1,120		1,000		112	27.9	129				
Surr: Terphenyl-d14 (surr)	1,130		1,000		113	39.1	145				

NOTES:

S - Outlying spike recovery observed (high bias). Detections will be qualified with a *.

Work Order: 2108325
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2108288-001AMS	SampType: MS	Units: µg/Kg-dry				Prep Date: 8/23/2021	RunNo: 69442				
Client ID: BATCH	Batch ID: 33455					Analysis Date: 8/24/2021	SeqNo: 1407033				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,880	19.2	1,922	0	97.9	45	110				
Chrysene	1,950	38.4	1,922	0	102	42.4	106				
Benzo(b)fluoranthene	2,050	19.2	1,922	0	107	43.7	108				
Benzo(k)fluoranthene	1,860	19.2	1,922	0	97.0	39.5	113				
Benzo(a)pyrene	2,140	19.2	1,922	0	111	44.1	122				
Indeno(1,2,3-cd)pyrene	1,940	38.4	1,922	0	101	40.2	109				
Dibenz(a,h)anthracene	1,970	38.4	1,922	0	102	31.4	126				
Surr: 2-Fluorobiphenyl	853		960.8		88.7	27.9	129				
Surr: Terphenyl-d14 (surr)	975		960.8		101	39.1	145				

Sample ID: 2108288-001AMSD	SampType: MSD	Units: µg/Kg-dry				Prep Date: 8/23/2021	RunNo: 69442				
Client ID: BATCH	Batch ID: 33455					Analysis Date: 8/24/2021	SeqNo: 1407034				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,630	19.8	1,976	0	82.3	45	110	1,882	14.5	30	
Chrysene	1,700	39.5	1,976	0	86.1	42.4	106	1,954	13.8	30	
Benzo(b)fluoranthene	1,560	19.8	1,976	0	78.8	43.7	108	2,050	27.3	30	
Benzo(k)fluoranthene	1,880	19.8	1,976	0	95.0	39.5	113	1,864	0.723	30	
Benzo(a)pyrene	1,860	19.8	1,976	0	94.2	44.1	122	2,140	14.0	30	
Indeno(1,2,3-cd)pyrene	1,670	39.5	1,976	0	84.7	40.2	109	1,944	15.0	30	
Dibenz(a,h)anthracene	1,690	39.5	1,976	0	85.6	31.4	126	1,968	15.1	30	
Surr: 2-Fluorobiphenyl	724		988.2		73.2	27.9	129		0		
Surr: Terphenyl-d14 (surr)	819		988.2		82.9	39.1	145		0		

Work Order: 2108325
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33458	SampType: LCS	Units: mg/Kg			Prep Date: 8/23/2021	RunNo: 69437					
Client ID: LCSS	Batch ID: 33458				Analysis Date: 8/23/2021	SeqNo: 1406893					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	29.0	5.00	25.00	0	116	65	135				
Surr: Toluene-d8	1.17		1.250		93.8	65	135				
Surr: 4-Bromofluorobenzene	1.21		1.250		96.6	65	135				

Sample ID: MB-33458	SampType: MBLK	Units: mg/Kg			Prep Date: 8/23/2021	RunNo: 69437					
Client ID: MBLKS	Batch ID: 33458				Analysis Date: 8/23/2021	SeqNo: 1406894					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.18		1.250		94.2	65	135				
Surr: 4-Bromofluorobenzene	1.14		1.250		91.1	65	135				

Sample ID: 2108288-007BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/23/2021	RunNo: 69437					
Client ID: BATCH	Batch ID: 33458				Analysis Date: 8/24/2021	SeqNo: 1406901					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	37.3	4.76						51.84	32.7	30	R
Surr: Toluene-d8	1.14		1.190		95.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.15		1.190		96.5	65	135		0		

NOTES:

R - High RPD observed.

Sample ID: 2108288-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 8/23/2021	RunNo: 69437					
Client ID: BATCH	Batch ID: 33458				Analysis Date: 8/24/2021	SeqNo: 1406907					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	6,340	38.7	193.7	5,833	262	65	135				DS
Surr: Toluene-d8	10.6		9.683		110	65	135				D
Surr: 4-Bromofluorobenzene	9.90		9.683		102	65	135				D

Work Order: 2108325
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2108288-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/23/2021	RunNo: 69437							
Client ID: BATCH	Batch ID: 33458	Analysis Date: 8/24/2021	SeqNo: 1406907								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:

S - Analyte concentration was too high for accurate spike recovery(ies).

Sample ID: 2108288-012BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/23/2021	RunNo: 69437							
Client ID: BATCH	Batch ID: 33458	Analysis Date: 8/24/2021	SeqNo: 1406911								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	4.79						0		30	
Surr: Toluene-d8	1.10		1.196		91.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.09		1.196		90.9	65	135		0		

Client Name: AC	Work Order Number: 2108325
Logged by: Clare Griggs	Date Received: 8/23/2021 1:50:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	4.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/23/21 Page: of:

Project Name: Skinitzer

Project No: 190298

Collected by: D123

Location:

Report To (PM): A.I. Labrone

PM Email: aalabrone@fremontanalytical.com

Laboratory Project No (Internal): 2108325
Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analysis Parameters											Comments
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	CPAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	
1 Art-NDS-W05-151	8/23/21	1045	Soil	3	X	X	X	X	X	X	X	X	X	X	X	
2																
3																
4																
5																
6																
7																
8																
9																
10																

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Dave I Brax	8/23/21	<i>[Signature]</i>	Stewart	8/23/21
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>			<i>[Signature]</i>	Justine Manty	8/23 13:50



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108334

August 25, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 8/24/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108334

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108334-001	Art-W20-W07-152	08/24/2021 7:10 AM	08/24/2021 11:11 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

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Acronyms:

- %Rec - Percent Recovery
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- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
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- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
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- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 8/24/2021 7:10:00 AM

Project: Schnitzer Artise

Lab ID: 2108334-001

Matrix: Soil

Client Sample ID: Art-W20-W07-152

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33474

Analyst: MM

Diesel (Fuel Oil)	ND	47.7		mg/Kg-dry	1	8/24/2021 2:58:08 PM
Heavy Oil	ND	95.3		mg/Kg-dry	1	8/24/2021 2:58:08 PM
Total Petroleum Hydrocarbons	ND	143		mg/Kg-dry	1	8/24/2021 2:58:08 PM
Surr: 2-Fluorobiphenyl	78.6	50 - 150		%Rec	1	8/24/2021 2:58:08 PM
Surr: o-Terphenyl	90.0	50 - 150		%Rec	1	8/24/2021 2:58:08 PM

Gasoline by NWTPH-Gx

Batch ID: 33479

Analyst: KT

Gasoline	ND	4.53		mg/Kg-dry	1	8/24/2021 9:18:57 PM
Surr: Toluene-d8	97.4	65 - 135		%Rec	1	8/24/2021 9:18:57 PM
Surr: 4-Bromofluorobenzene	84.8	65 - 135		%Rec	1	8/24/2021 9:18:57 PM

Sample Moisture (Percent Moisture)

Batch ID: R69446

Analyst: ALB

Percent Moisture	10.1	0.500		wt%	1	8/24/2021 11:28:03 AM
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Work Order: 2108334
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33474	SampType: MBLK	Units: mg/Kg				Prep Date: 8/24/2021	RunNo: 69447				
Client ID: MBLKS	Batch ID: 33474					Analysis Date: 8/24/2021	SeqNo: 1407092				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.46		10.00		84.6	50	150				
Surr: o-Terphenyl	9.36		10.00		93.6	50	150				

Sample ID: LCS-33474	SampType: LCS	Units: mg/Kg				Prep Date: 8/24/2021	RunNo: 69447				
Client ID: LCSS	Batch ID: 33474					Analysis Date: 8/24/2021	SeqNo: 1407093				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	501	150	500.0	0	100	77.2	122				
Surr: 2-Fluorobiphenyl	9.16		10.00		91.6	50	150				
Surr: o-Terphenyl	11.8		10.00		118	50	150				

Sample ID: 2108328-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/24/2021	RunNo: 69447				
Client ID: BATCH	Batch ID: 33474					Analysis Date: 8/24/2021	SeqNo: 1407095				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	517	147	490.8	0	105	68	132				
Surr: 2-Fluorobiphenyl	9.31		9.816		94.8	50	150				
Surr: o-Terphenyl	11.5		9.816		117	50	150				

Sample ID: 2108328-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/24/2021	RunNo: 69447				
Client ID: BATCH	Batch ID: 33474					Analysis Date: 8/24/2021	SeqNo: 1407096				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	482	143	476.2	0	101	68	132	516.9	6.95	30	
Surr: 2-Fluorobiphenyl	8.69		9.524		91.2	50	150		0		
Surr: o-Terphenyl	10.8		9.524		113	50	150		0		

Work Order: 2108334
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108328-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/24/2021	RunNo: 69447							
Client ID: BATCH	Batch ID: 33474	Analysis Date: 8/24/2021	SeqNo: 1407096								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2108334
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33479	SampType: LCS	Units: mg/Kg				Prep Date: 8/24/2021	RunNo: 69467				
Client ID: LCSS	Batch ID: 33479					Analysis Date: 8/24/2021	SeqNo: 1407540				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	26.1	5.00	25.00	0	104	65	135				
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		102	65	135				

Sample ID: MB-33479	SampType: MBLK	Units: mg/Kg				Prep Date: 8/24/2021	RunNo: 69467				
Client ID: MBLKS	Batch ID: 33479					Analysis Date: 8/24/2021	SeqNo: 1407541				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.23		1.250		98.2	65	135				
Surr: 4-Bromofluorobenzene	1.07		1.250		85.8	65	135				

Sample ID: 2108294-002BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 8/24/2021	RunNo: 69467				
Client ID: BATCH	Batch ID: 33479					Analysis Date: 8/24/2021	SeqNo: 1407534				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	2.19						0		30	
Surr: Toluene-d8	0.529		0.5487		96.4	65	135		0		
Surr: 4-Bromofluorobenzene	0.509		0.5487		92.7	65	135		0		

Sample ID: 2108334-001BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/24/2021	RunNo: 69467				
Client ID: Art-W20-W07-152	Batch ID: 33479					Analysis Date: 8/24/2021	SeqNo: 1407537				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	19.8	4.53	22.67	0	87.3	65	135				
Surr: Toluene-d8	1.15		1.133		101	65	135				
Surr: 4-Bromofluorobenzene	1.16		1.133		103	65	135				

Client Name: **AC**

 Work Order Number: **2108334**

 Logged by: **Clare Griggs**

 Date Received: **8/24/2021 11:11:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/24/2021 Page: 1 of 1
 Laboratory Project No (Internal): 2108334

Client: Aspet Consulting

Project No: 190298
 Collected by: DRB

City, State, zip: _____ Location: _____
 Report To (PM): Al Cohen
 PM Email: acohen@aspetconsulting.com

Telephone: 316.617.0449
 Fax: _____
 Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes														Comments
					VOCS (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)			
1 Art-WZO-W07-15Z	8/24/21	0710	Soil	3			X		X										
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite
 I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Date/Time _____
 Print Name _____
 Received (Signature) _____ Date/Time _____
 Print Name _____

Relinquished (Signature) _____ Date/Time _____
 Print Name _____
 Received (Signature) _____ Date/Time _____
 Print Name _____



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108400

August 30, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 8/27/2021 for the analyses presented in the following report.

***Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108400

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108400-001	ART-N14-W15-142	08/27/2021 10:26 AM	08/27/2021 3:18 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 8/27/2021 10:26:00 AM

Project: Schnitzer Artise

Lab ID: 2108400-001

Matrix: Soil

Client Sample ID: ART-N14-W15-142

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33522

Analyst: MM

Diesel (Fuel Oil)	ND	50.0		mg/Kg-dry	1	8/27/2021 6:56:54 PM
Heavy Oil	ND	99.9		mg/Kg-dry	1	8/27/2021 6:56:54 PM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	8/27/2021 6:56:54 PM
Surr: 2-Fluorobiphenyl	60.4	50 - 150		%Rec	1	8/27/2021 6:56:54 PM
Surr: o-Terphenyl	74.5	50 - 150		%Rec	1	8/27/2021 6:56:54 PM

Sample Moisture (Percent Moisture)

Batch ID: R69554

Analyst: KJ

Percent Moisture	9.12	0.500		wt%	1	8/27/2021 3:04:19 PM
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Work Order: 2108400
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33522	SampType: MBLK	Units: mg/Kg			Prep Date: 8/27/2021	RunNo: 69543					
Client ID: MBLKS	Batch ID: 33522				Analysis Date: 8/27/2021	SeqNo: 1409572					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.69		10.00		86.9	50	150				
Surr: o-Terphenyl	10.1		10.00		101	50	150				

Sample ID: MB-33522	SampType: MBLK	Units: mg/Kg			Prep Date: 8/27/2021	RunNo: 69573					
Client ID: MBLKS	Batch ID: 33522				Analysis Date: 8/27/2021	SeqNo: 1410223					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.69		10.00		86.9	50	150				
Surr: o-Terphenyl	10.1		10.00		101	50	150				

Sample ID: LCS-33522	SampType: LCS	Units: mg/Kg			Prep Date: 8/27/2021	RunNo: 69543					
Client ID: LCSS	Batch ID: 33522				Analysis Date: 8/27/2021	SeqNo: 1409573					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	507	150	500.0	0	101	77.2	122				
Surr: 2-Fluorobiphenyl	9.09		10.00		90.9	50	150				
Surr: o-Terphenyl	12.1		10.00		121	50	150				

Sample ID: LCS-33522	SampType: LCS	Units: mg/Kg			Prep Date: 8/27/2021	RunNo: 69573					
Client ID: LCSS	Batch ID: 33522				Analysis Date: 8/27/2021	SeqNo: 1410224					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	507	150	500.0	0	101	77.2	122				

Work Order: 2108400
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: LCS-33522	SampType: LCS	Units: mg/Kg				Prep Date: 8/27/2021	RunNo: 69573				
Client ID: LCSS	Batch ID: 33522					Analysis Date: 8/27/2021	SeqNo: 1410224				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2-Fluorobiphenyl	9.09		10.00		90.9	50	150				
Surr: o-Terphenyl	12.1		10.00		121	50	150				

Sample ID: 2108360-025AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/27/2021	RunNo: 69573				
Client ID: BATCH	Batch ID: 33522					Analysis Date: 8/27/2021	SeqNo: 1410228				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Petroleum Hydrocarbons	590	151	503.5	189.1	79.7	68	132				
Surr: 2-Fluorobiphenyl	8.55		10.07		84.9	50	150				
Surr: o-Terphenyl	11.5		10.07		114	50	150				

Sample ID: 2108360-025AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/27/2021	RunNo: 69573				
Client ID: BATCH	Batch ID: 33522					Analysis Date: 8/27/2021	SeqNo: 1410229				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Petroleum Hydrocarbons	574	146	487.2	189.1	79.1	68	132	590.2	2.70	30	
Surr: 2-Fluorobiphenyl	8.60		9.745		88.3	50	150		0		
Surr: o-Terphenyl	11.3		9.745		116	50	150		0		

Sample ID: 2108360-027ADUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 8/27/2021	RunNo: 69573				
Client ID: BATCH	Batch ID: 33522					Analysis Date: 8/27/2021	SeqNo: 1410233				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	51.4						0		30	
Heavy Oil	ND	103						0		30	
Total Petroleum Hydrocarbons	ND	154						0		30	
Surr: 2-Fluorobiphenyl	6.21		10.27		60.4	50	150		0		
Surr: o-Terphenyl	7.85		10.27		76.4	50	150		0		

Client Name: AC	Work Order Number: 2108400
Logged by: Clare Griggs	Date Received: 8/27/2021 3:18:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	4.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 08/27/21

Page: 1 of 1

Laboratory Project No (Internal):

2108400

Project Name: Schmitzer/Artise

Special Remarks:

Client: ASPECT

Project No: 190298

Address: 710 2nd Ave Suite 550

Collected by: Monique Rute

City, State, Zip: Seattle WA 98104

Location:

Telephone: 206.838.6594

Report To (PM): Ali Cochran

Sample Disposal: Return to client Disposal by lab (after 30 days)

Fax: PM Email: acochran@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (C)***	EDB (8011)	Comments
1 ART-N14-W15-142	08/27/21	1020	SD, 1	3													
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard
 Next Day
 3 Day
 Same Day
 2 Day (specify)

Relinquished (Signature) Baxter CAN Date/Time 8/27/21 Received (Signature) Oliver Khan Date/Time 8/27/21

Relinquished (Signature) Baxter CAN Date/Time 8/27/21 Received (Signature) Oliver Khan Date/Time 8/27/21



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108431

August 31, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 8/30/2021 for the analyses presented in the following report.

***Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108431

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108431-001	ART-N17-W16-142	08/30/2021 7:50 AM	08/30/2021 4:50 PM
2108431-002	ART-N14-W17-142	08/30/2021 9:31 AM	08/30/2021 4:50 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2108431-001

Collection Date: 8/30/2021 7:50:00 AM

Client Sample ID: ART-N17-W16-142

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33553

Analyst: MM

Diesel (Fuel Oil)	ND	54.2		mg/Kg-dry	1	8/31/2021 1:13:47 PM
Heavy Oil	ND	108		mg/Kg-dry	1	8/31/2021 1:13:47 PM
Total Petroleum Hydrocarbons	ND	163		mg/Kg-dry	1	8/31/2021 1:13:47 PM
Surr: 2-Fluorobiphenyl	75.6	50 - 150		%Rec	1	8/31/2021 1:13:47 PM
Surr: o-Terphenyl	84.2	50 - 150		%Rec	1	8/31/2021 1:13:47 PM

Sample Moisture (Percent Moisture)

Batch ID: R69592

Analyst: OK

Percent Moisture	12.9	0.500		wt%	1	8/31/2021 8:53:05 AM
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Lab ID: 2108431-002

Collection Date: 8/30/2021 9:31:00 AM

Client Sample ID: ART-N14-W17-142

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33553

Analyst: MM

Diesel (Fuel Oil)	ND	49.2		mg/Kg-dry	1	8/31/2021 1:26:36 PM
Heavy Oil	ND	98.3		mg/Kg-dry	1	8/31/2021 1:26:36 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	8/31/2021 1:26:36 PM
Surr: 2-Fluorobiphenyl	73.5	50 - 150		%Rec	1	8/31/2021 1:26:36 PM
Surr: o-Terphenyl	82.1	50 - 150		%Rec	1	8/31/2021 1:26:36 PM

Sample Moisture (Percent Moisture)

Batch ID: R69592

Analyst: OK

Percent Moisture	8.47	0.500		wt%	1	8/31/2021 8:53:05 AM
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Work Order: 2108431
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33553	SampType: MBLK	Units: mg/Kg				Prep Date: 8/31/2021	RunNo: 69617				
Client ID: MBLKS	Batch ID: 33553					Analysis Date: 8/31/2021	SeqNo: 1411023				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	7.86		10.00		78.6	50	150				
Surr: o-Terphenyl	8.73		10.00		87.3	50	150				

Sample ID: LCS-33553	SampType: LCS	Units: mg/Kg				Prep Date: 8/31/2021	RunNo: 69617				
Client ID: LCSS	Batch ID: 33553					Analysis Date: 8/31/2021	SeqNo: 1411024				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	499	150	500.0	0	99.8	77.2	122				
Surr: 2-Fluorobiphenyl	7.49		10.00		74.9	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Sample ID: 2108430-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/31/2021	RunNo: 69617				
Client ID: BATCH	Batch ID: 33553					Analysis Date: 8/31/2021	SeqNo: 1411026				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	595	155	515.3	62.98	103	68	132				
Surr: 2-Fluorobiphenyl	7.19		10.31		69.8	50	150				
Surr: o-Terphenyl	11.0		10.31		107	50	150				

Sample ID: 2108430-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/31/2021	RunNo: 69617				
Client ID: BATCH	Batch ID: 33553					Analysis Date: 8/31/2021	SeqNo: 1411027				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	599	159	530.1	62.98	101	68	132	595.4	0.575	30	
Surr: 2-Fluorobiphenyl	7.63		10.60		72.0	50	150		0		
Surr: o-Terphenyl	11.2		10.60		106	50	150		0		



Date: 8/31/2021

Work Order: 2108431
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2108430-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/31/2021	RunNo: 69617							
Client ID: BATCH	Batch ID: 33553	Analysis Date: 8/31/2021	SeqNo: 1411027								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client Name: **AC**

 Work Order Number: **2108431**

 Logged by: **Gabrielle Coeuille**

 Date Received: **8/30/2021 4:50:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	1.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 08/30/21 Page: 1 of 1

Laboratory Project No (Internal): 2108431

Client: ASPECT

Project Name: Schmitzer/Artise

Address: 710 2nd Ave. Suite 550

Project No: 190298

City, State, Zip: Seattle, WA 98104

Collected by: Monique Rutte

Telephone: 206.838.6694

Location: PM Email: aaron@aspectanalytical.com

Fax:

Report To (PM): Ali Cochran

Special Remarks:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 - SIM)	PAHs (EPA 8270 - 625)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (C)***	EDB (8011)	Comments
1 ART-N17-W16-142	08/30/21	0750	Soil	3													
2 ART-N14-W17-142	08/30/21	0931	Soil	3													
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

****Matrix:** A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
****Metals (Circle):** MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
****Anions (Circle):** Nitrate Nitrite Chloride Sulfate Bromide Iodide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) B Call Print Name B Call Date/Time 8/30/21 16:30
 Relinquished (Signature) _____ Print Name _____ Date/Time _____

Received (Signature) Justine Nantz Print Name Justine Nantz Date/Time 8/30 16:30
 Received (Signature) _____ Print Name _____ Date/Time _____

Turn-around Time:
 Standard
 Next Day
 3 Day
 Same Day
 2 Day (specify) _____



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2108452

September 01, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 8/31/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2108452

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108452-001	Art-N20-W02-147	08/31/2021 10:15 AM	08/31/2021 3:12 PM
2108452-002	Art-TB-07		08/31/2021 3:12 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2108452-001

Collection Date: 8/31/2021 10:15:00 AM

Client Sample ID: Art-N20-W02-147

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33554

Analyst: CR

Tetrachloroethene (PCE)	0.0336	0.0332		mg/Kg-dry	1	8/31/2021 11:29:32 PM
Surr: Dibromofluoromethane	93.8	75.5 - 119		%Rec	1	8/31/2021 11:29:32 PM
Surr: Toluene-d8	93.0	82.4 - 115		%Rec	1	8/31/2021 11:29:32 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	78.5 - 118		%Rec	1	8/31/2021 11:29:32 PM

Sample Moisture (Percent Moisture)

Batch ID: R69611

Analyst: OK

Percent Moisture	10.5	0.500		wt%	1	8/31/2021 2:49:05 PM
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Lab ID: 2108452-002

Collection Date:

Client Sample ID: Art-TB-07

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33554

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	8/31/2021 5:50:50 PM
Surr: Dibromofluoromethane	92.7	75.5 - 119		%Rec	1	8/31/2021 5:50:50 PM
Surr: Toluene-d8	98.7	82.4 - 115		%Rec	1	8/31/2021 5:50:50 PM
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118		%Rec	1	8/31/2021 5:50:50 PM

Work Order: 2108452
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33554	SampType: LCS	Units: mg/Kg			Prep Date: 8/31/2021	RunNo: 69629					
Client ID: LCSS	Batch ID: 33554				Analysis Date: 8/31/2021	SeqNo: 1411464					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.950	0.0400	1.000	0	95.0	80	120				
Surr: Dibromofluoromethane	1.29		1.250		103	75.5	120				
Surr: Toluene-d8	1.23		1.250		98.4	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.42		1.250		114	78.5	120				

Sample ID: MB-33554	SampType: MBLK	Units: mg/Kg			Prep Date: 8/31/2021	RunNo: 69629					
Client ID: MBLKS	Batch ID: 33554				Analysis Date: 8/31/2021	SeqNo: 1411449					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.23		1.250		98.4	75.5	119				
Surr: Toluene-d8	1.23		1.250		98.8	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	78.5	118				

Sample ID: 2108388-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/31/2021	RunNo: 69629					
Client ID: BATCH	Batch ID: 33554				Analysis Date: 8/31/2021	SeqNo: 1411454					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0385						0		30	
Surr: Dibromofluoromethane	1.12		1.202		92.8	75.5	119		0		
Surr: Toluene-d8	1.21		1.202		101	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.15		1.202		95.8	78.5	118		0		

Sample ID: 2108396-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/31/2021	RunNo: 69629					
Client ID: BATCH	Batch ID: 33554				Analysis Date: 8/31/2021	SeqNo: 1411458					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0272						0		30	
Surr: Dibromofluoromethane	0.842		0.8508		98.9	75.5	119		0		

Work Order: 2108452
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108396-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/31/2021	RunNo: 69629							
Client ID: BATCH	Batch ID: 33554		Analysis Date: 8/31/2021	SeqNo: 1411458							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	0.882		0.8508		104	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.817		0.8508		96.0	78.5	118		0		

Sample ID: 2108396-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/31/2021	RunNo: 69629							
Client ID: BATCH	Batch ID: 33554		Analysis Date: 9/1/2021	SeqNo: 1411462							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.692	0.0299	0.7481	0	92.5	77.7	131				
Surr: Dibromofluoromethane	0.950		0.9352		102	75.5	119				
Surr: Toluene-d8	0.996		0.9352		107	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.959		0.9352		103	78.5	118				

Client Name: **AC**

 Work Order Number: **2108452**

 Logged by: **Gabrielle Coeuille**

 Date Received: **8/31/2021 3:12:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	3.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/31/21 Page: 1 of 1

Laboratory Project No (Internal): 2108452

Client: Aspect Consulting

Project Name: Schmitzer

Special Remarks:

Address: Collected by: TRB

City, State, zip: Location: Report To (PM): Al. Calhoun

Telephone: 316.617.0449 PM Email: acalhoun@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Fax: PM Email: acalhoun@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 Art-120-W02-147	8/31/21	1015	Soil	3													
2 Art-TR-07	8/31/21	-	A	1													X
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature) *[Signature]* Print Name: *[Name]* Date/Time: 8/31/21

Received (Signature) *[Signature]* Print Name: *[Name]* Date/Time: 08/31/21



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2109002

September 02, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 8/31/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brianna Barnes".

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109002

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109002-001	Art-N23-W03-138	08/31/2021 3:30 PM	08/31/2021 5:11 PM
2109002-002	Art-N28-W03-141	08/31/2021 3:35 PM	08/31/2021 5:11 PM
2109002-003	Art-N30-W02-141	08/31/2021 3:40 PM	08/31/2021 5:11 PM
2109002-004	Art-TB-08	08/31/2021 12:00 AM	08/31/2021 5:11 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2109002-001

Collection Date: 8/31/2021 3:30:00 PM

Client Sample ID: Art-N23-W03-138

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33562

Analyst: KT

Tetrachloroethene (PCE)	ND	0.0360		mg/Kg-dry	1	9/1/2021 9:08:11 PM
Surr: Dibromofluoromethane	92.5	75.5 - 119		%Rec	1	9/1/2021 9:08:11 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	9/1/2021 9:08:11 PM
Surr: 1-Bromo-4-fluorobenzene	94.8	78.5 - 118		%Rec	1	9/1/2021 9:08:11 PM

Sample Moisture (Percent Moisture)

Batch ID: R69625

Analyst: KJ

Percent Moisture	8.77	0.500		wt%	1	9/1/2021 9:13:36 AM
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Lab ID: 2109002-002

Collection Date: 8/31/2021 3:35:00 PM

Client Sample ID: Art-N28-W03-141

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33562

Analyst: KT

Tetrachloroethene (PCE)	0.0519	0.0330		mg/Kg-dry	1	9/1/2021 9:39:07 PM
Surr: Dibromofluoromethane	91.6	75.5 - 119		%Rec	1	9/1/2021 9:39:07 PM
Surr: Toluene-d8	99.8	82.4 - 115		%Rec	1	9/1/2021 9:39:07 PM
Surr: 1-Bromo-4-fluorobenzene	105	78.5 - 118		%Rec	1	9/1/2021 9:39:07 PM

Sample Moisture (Percent Moisture)

Batch ID: R69625

Analyst: KJ

Percent Moisture	9.13	0.500		wt%	1	9/1/2021 9:13:36 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2109002-003

Collection Date: 8/31/2021 3:40:00 PM

Client Sample ID: Art-N30-W02-141

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33562

Analyst: KT

Tetrachloroethene (PCE)	0.0368	0.0363		mg/Kg-dry	1	9/1/2021 10:09:59 PM
Surr: Dibromofluoromethane	93.5	75.5 - 119		%Rec	1	9/1/2021 10:09:59 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	9/1/2021 10:09:59 PM
Surr: 1-Bromo-4-fluorobenzene	98.4	78.5 - 118		%Rec	1	9/1/2021 10:09:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R69625

Analyst: KJ

Percent Moisture	9.54	0.500		wt%	1	9/1/2021 9:13:36 AM
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Lab ID: 2109002-004

Collection Date: 8/31/2021

Client Sample ID: Art-TB-08

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33562

Analyst: KT

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	9/1/2021 4:30:26 PM
Surr: Dibromofluoromethane	94.5	75.5 - 119		%Rec	1	9/1/2021 4:30:26 PM
Surr: Toluene-d8	105	82.4 - 115		%Rec	1	9/1/2021 4:30:26 PM
Surr: 1-Bromo-4-fluorobenzene	102	78.5 - 118		%Rec	1	9/1/2021 4:30:26 PM

Work Order: 2109002
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33562	SampType: LCS	Units: mg/Kg			Prep Date: 9/1/2021	RunNo: 69661					
Client ID: LCSS	Batch ID: 33562				Analysis Date: 9/1/2021	SeqNo: 1412025					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.940	0.0400	1.000	0	94.0	80	120				
Surr: Dibromofluoromethane	1.33		1.250		106	75.5	120				
Surr: Toluene-d8	1.32		1.250		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.31		1.250		104	78.5	120				

Sample ID: MB-33562	SampType: MBLK	Units: mg/Kg			Prep Date: 9/1/2021	RunNo: 69661					
Client ID: MBLKS	Batch ID: 33562				Analysis Date: 9/1/2021	SeqNo: 1411999					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.13		1.250		90.6	75.5	119				
Surr: Toluene-d8	1.26		1.250		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	78.5	118				

Sample ID: 2108402-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/1/2021	RunNo: 69661					
Client ID: BATCH	Batch ID: 33562				Analysis Date: 9/1/2021	SeqNo: 1412002					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0413						0		30	
Surr: Dibromofluoromethane	1.18		1.291		91.4	75.5	119		0		
Surr: Toluene-d8	1.32		1.291		102	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.26		1.291		97.2	78.5	118		0		

Sample ID: 2108402-007BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/1/2021	RunNo: 69661					
Client ID: BATCH	Batch ID: 33562				Analysis Date: 9/1/2021	SeqNo: 1412005					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0463						0		30	
Surr: Dibromofluoromethane	1.33		1.447		91.9	75.5	119		0		

Work Order: 2109002
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108402-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/1/2021	RunNo: 69661							
Client ID: BATCH	Batch ID: 33562		Analysis Date: 9/1/2021	SeqNo: 1412005							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	1.46		1.447		101	82.4	115		0	
Surr: 1-Bromo-4-fluorobenzene	1.40		1.447		96.7	78.5	118		0	

Sample ID: 2108402-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 9/1/2021	RunNo: 69661							
Client ID: BATCH	Batch ID: 33562		Analysis Date: 9/1/2021	SeqNo: 1412012							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.936	0.0422	1.056	0	88.6	77.7	131			
Surr: Dibromofluoromethane	1.38		1.320		104	75.5	119			
Surr: Toluene-d8	1.22		1.320		92.4	82.4	115			
Surr: 1-Bromo-4-fluorobenzene	1.36		1.320		103	78.5	118			

Client Name: **AC**

 Work Order Number: **2109002**

 Logged by: **Brianna Barnes**

 Date Received: **8/31/2021 5:11:00 PM**
Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 8/31/21 Page: 1 of 1

Laboratory Project No (Internal): 2109002

Special Remarks:

Project Name: Shawnee

Project No: 190298

Collected by: DCB

Location:

Report To (PM): Al Cohen

PM Email: acohen@astestationsllc.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone: 316.617.0499

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 AT-NE3-W03-138	8/31/21	1530	Sol	3													
2 AT-NE8-W03-141	↓	1535		↓													
3 AT-NE0-W02-141		1540		↓													
4 AT-TB-08	8/31/21	-	A	1													
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCAS RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Tl V Zn
***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) <u>[Signature]</u>	Print Name <u>Paul Schmitt</u>	Date/Time <u>8/31/21</u>	Relinquished (Signature) <u>[Signature]</u>	Print Name <u>Alanna Bahr</u>	Date/Time <u>8/31/21 17:11</u>
Relinquished (Signature) <u>[Signature]</u>	Print Name <u>[Signature]</u>	Date/Time <u>[Signature]</u>	Relinquished (Signature) <u>[Signature]</u>	Print Name <u>[Signature]</u>	Date/Time <u>[Signature]</u>



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2109046

September 03, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 8 sample(s) on 9/2/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109046

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109046-001	Art-N42-W05-145	09/02/2021 8:30 AM	09/02/2021 2:20 PM
2109046-002	Art-N16-W22-145	09/02/2021 9:00 AM	09/02/2021 2:20 PM
2109046-003	Art-N02-W08-140	09/02/2021 10:15 AM	09/02/2021 2:20 PM
2109046-004	Art-N04-W10-140	09/02/2021 10:20 AM	09/02/2021 2:20 PM
2109046-005	Art-N08-W09-140	09/02/2021 10:30 AM	09/02/2021 2:20 PM
2109046-006	Art-N10-W08-140	09/02/2021 10:35 AM	09/02/2021 2:20 PM
2109046-007	Art-N06-W12-140	09/02/2021 10:45 AM	09/02/2021 2:20 PM
2109046-008	Art-TB-09		09/02/2021 2:20 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109046-001

Collection Date: 9/2/2021 8:30:00 AM

Client Sample ID: Art-N42-W05-145

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33585	Analyst: MM
Diesel (Fuel Oil)	ND	52.3		mg/Kg-dry	1	9/2/2021 10:32:25 PM
Heavy Oil	ND	105		mg/Kg-dry	1	9/2/2021 10:32:25 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	9/2/2021 10:32:25 PM
Surr: 2-Fluorobiphenyl	75.0	50 - 150		%Rec	1	9/2/2021 10:32:25 PM
Surr: o-Terphenyl	79.7	50 - 150		%Rec	1	9/2/2021 10:32:25 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69680	Analyst: cb
Percent Moisture	6.95	0.500		wt%	1	9/2/2021 3:01:41 PM

Lab ID: 2109046-002

Collection Date: 9/2/2021 9:00:00 AM

Client Sample ID: Art-N16-W22-145

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33585	Analyst: MM
Diesel (Fuel Oil)	ND	52.3		mg/Kg-dry	1	9/2/2021 10:45:14 PM
Heavy Oil	ND	105		mg/Kg-dry	1	9/2/2021 10:45:14 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	9/2/2021 10:45:14 PM
Surr: 2-Fluorobiphenyl	82.2	50 - 150		%Rec	1	9/2/2021 10:45:14 PM
Surr: o-Terphenyl	86.1	50 - 150		%Rec	1	9/2/2021 10:45:14 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33576	Analyst: CR
Gasoline	ND	4.90		mg/Kg-dry	1	9/2/2021 9:39:36 PM
Surr: Toluene-d8	94.1	65 - 135		%Rec	1	9/2/2021 9:39:36 PM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	9/2/2021 9:39:36 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69680	Analyst: cb
Percent Moisture	8.97	0.500		wt%	1	9/2/2021 3:01:41 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109046-003

Collection Date: 9/2/2021 10:15:00 AM

Client Sample ID: Art-N02-W08-140

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33585	Analyst: MM
Diesel (Fuel Oil)	ND	51.3		mg/Kg-dry	1	9/2/2021 10:58:01 PM
Heavy Oil	ND	103		mg/Kg-dry	1	9/2/2021 10:58:01 PM
Total Petroleum Hydrocarbons	ND	154		mg/Kg-dry	1	9/2/2021 10:58:01 PM
Surr: 2-Fluorobiphenyl	72.9	50 - 150		%Rec	1	9/2/2021 10:58:01 PM
Surr: o-Terphenyl	84.8	50 - 150		%Rec	1	9/2/2021 10:58:01 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33576	Analyst: CR
Gasoline	ND	4.83		mg/Kg-dry	1	9/2/2021 10:10:33 PM
Surr: Toluene-d8	98.4	65 - 135		%Rec	1	9/2/2021 10:10:33 PM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	9/2/2021 10:10:33 PM

<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33576	Analyst: CR
Tetrachloroethene (PCE)	ND	0.0386		mg/Kg-dry	1	9/2/2021 10:10:33 PM
Surr: Dibromofluoromethane	92.3	75.5 - 119		%Rec	1	9/2/2021 10:10:33 PM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	9/2/2021 10:10:33 PM
Surr: 1-Bromo-4-fluorobenzene	97.0	78.5 - 118		%Rec	1	9/2/2021 10:10:33 PM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69680	Analyst: cb
Percent Moisture	11.0	0.500		wt%	1	9/2/2021 3:01:41 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109046-004

Collection Date: 9/2/2021 10:20:00 AM

Client Sample ID: Art-N04-W10-140

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33585	Analyst: MM
Diesel (Fuel Oil)	ND	49.7		mg/Kg-dry	1	9/2/2021 11:10:47 PM
Heavy Oil	ND	99.4		mg/Kg-dry	1	9/2/2021 11:10:47 PM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	9/2/2021 11:10:47 PM
Surr: 2-Fluorobiphenyl	66.8	50 - 150		%Rec	1	9/2/2021 11:10:47 PM
Surr: o-Terphenyl	76.3	50 - 150		%Rec	1	9/2/2021 11:10:47 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33576	Analyst: CR
Gasoline	ND	4.55		mg/Kg-dry	1	9/2/2021 11:12:16 PM
Surr: Toluene-d8	98.5	65 - 135		%Rec	1	9/2/2021 11:12:16 PM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	9/2/2021 11:12:16 PM

<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33576	Analyst: CR
Tetrachloroethene (PCE)	ND	0.0364		mg/Kg-dry	1	9/2/2021 11:12:16 PM
Surr: Dibromofluoromethane	92.1	75.5 - 119		%Rec	1	9/2/2021 11:12:16 PM
Surr: Toluene-d8	99.1	82.4 - 115		%Rec	1	9/2/2021 11:12:16 PM
Surr: 1-Bromo-4-fluorobenzene	96.9	78.5 - 118		%Rec	1	9/2/2021 11:12:16 PM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69680	Analyst: cb
Percent Moisture	9.58	0.500		wt%	1	9/2/2021 3:01:41 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109046-005

Collection Date: 9/2/2021 10:30:00 AM

Client Sample ID: Art-N08-W09-140

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33585	Analyst: MM
Diesel (Fuel Oil)	ND	47.0		mg/Kg-dry	1	9/2/2021 11:23:43 PM
Heavy Oil	ND	94.0		mg/Kg-dry	1	9/2/2021 11:23:43 PM
Total Petroleum Hydrocarbons	ND	141		mg/Kg-dry	1	9/2/2021 11:23:43 PM
Surr: 2-Fluorobiphenyl	55.7	50 - 150		%Rec	1	9/2/2021 11:23:43 PM
Surr: o-Terphenyl	70.8	50 - 150		%Rec	1	9/2/2021 11:23:43 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33576	Analyst: CR
Gasoline	ND	4.67		mg/Kg-dry	1	9/2/2021 11:43:07 PM
Surr: Toluene-d8	93.1	65 - 135		%Rec	1	9/2/2021 11:43:07 PM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	9/2/2021 11:43:07 PM

<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33576	Analyst: CR
Tetrachloroethene (PCE)	ND	0.0374		mg/Kg-dry	1	9/2/2021 11:43:07 PM
Surr: Dibromofluoromethane	92.7	75.5 - 119		%Rec	1	9/2/2021 11:43:07 PM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	9/2/2021 11:43:07 PM
Surr: 1-Bromo-4-fluorobenzene	96.2	78.5 - 118		%Rec	1	9/2/2021 11:43:07 PM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69680	Analyst: cb
Percent Moisture	8.04	0.500		wt%	1	9/2/2021 3:01:41 PM



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2109046-006

Collection Date: 9/2/2021 10:35:00 AM

Client Sample ID: Art-N10-W08-140

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33585	Analyst: MM
Diesel (Fuel Oil)	ND	49.6		mg/Kg-dry	1	9/2/2021 11:36:30 PM
Heavy Oil	ND	99.2		mg/Kg-dry	1	9/2/2021 11:36:30 PM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	9/2/2021 11:36:30 PM
Surr: 2-Fluorobiphenyl	59.1	50 - 150		%Rec	1	9/2/2021 11:36:30 PM
Surr: o-Terphenyl	60.4	50 - 150		%Rec	1	9/2/2021 11:36:30 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33576	Analyst: CR
Gasoline	ND	7.77		mg/Kg-dry	1	9/3/2021 12:13:54 AM
Surr: Toluene-d8	97.2	65 - 135		%Rec	1	9/3/2021 12:13:54 AM
Surr: 4-Bromofluorobenzene	107	65 - 135		%Rec	1	9/3/2021 12:13:54 AM

<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33576	Analyst: CR
Tetrachloroethene (PCE)	ND	0.0622		mg/Kg-dry	1	9/3/2021 12:13:54 AM
Surr: Dibromofluoromethane	88.8	75.5 - 119		%Rec	1	9/3/2021 12:13:54 AM
Surr: Toluene-d8	97.3	82.4 - 115		%Rec	1	9/3/2021 12:13:54 AM
Surr: 1-Bromo-4-fluorobenzene	99.3	78.5 - 118		%Rec	1	9/3/2021 12:13:54 AM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69680	Analyst: cb
Percent Moisture	9.96	0.500		wt%	1	9/2/2021 3:01:41 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109046-007

Collection Date: 9/2/2021 10:45:00 AM

Client Sample ID: Art-N06-W12-140

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33576

Analyst: CR

Vinyl chloride	ND	0.0215		mg/Kg-dry	1	9/3/2021 12:44:51 AM
1,1-Dichloroethene	ND	0.0861		mg/Kg-dry	1	9/3/2021 12:44:51 AM
trans-1,2-Dichloroethene	ND	0.0258		mg/Kg-dry	1	9/3/2021 12:44:51 AM
cis-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	9/3/2021 12:44:51 AM
Trichloroethene (TCE)	ND	0.0172		mg/Kg-dry	1	9/3/2021 12:44:51 AM
Tetrachloroethene (PCE)	ND	0.0344		mg/Kg-dry	1	9/3/2021 12:44:51 AM
Surr: Dibromofluoromethane	95.2	75.5 - 119		%Rec	1	9/3/2021 12:44:51 AM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	9/3/2021 12:44:51 AM
Surr: 1-Bromo-4-fluorobenzene	96.7	78.5 - 118		%Rec	1	9/3/2021 12:44:51 AM

Sample Moisture (Percent Moisture)

Batch ID: R69680

Analyst: cb

Percent Moisture	8.81	0.500		wt%	1	9/2/2021 3:01:41 PM
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Lab ID: 2109046-008

Collection Date:

Client Sample ID: Art-TB-09

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33576

Analyst: CR

Vinyl chloride	ND	0.0250		mg/Kg	1	9/2/2021 9:08:38 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	9/2/2021 9:08:38 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	9/2/2021 9:08:38 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	9/2/2021 9:08:38 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	9/2/2021 9:08:38 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	9/2/2021 9:08:38 PM
Surr: Dibromofluoromethane	92.8	75.5 - 119		%Rec	1	9/2/2021 9:08:38 PM
Surr: Toluene-d8	99.4	82.4 - 115		%Rec	1	9/2/2021 9:08:38 PM
Surr: 1-Bromo-4-fluorobenzene	97.8	78.5 - 118		%Rec	1	9/2/2021 9:08:38 PM

Work Order: 2109046
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: LCS-33585	SampType: LCS	Units: mg/Kg				Prep Date: 9/2/2021	RunNo: 69677				
Client ID: LCSS	Batch ID: 33585					Analysis Date: 9/2/2021	SeqNo: 1412332				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Petroleum Hydrocarbons	512	150	500.0	0	102	77.2	122				
Surr: 2-Fluorobiphenyl	8.87		10.00		88.7	50	150				
Surr: o-Terphenyl	11.0		10.00		110	50	150				

Sample ID: MB-33585	SampType: MBLK	Units: mg/Kg				Prep Date: 9/2/2021	RunNo: 69677				
Client ID: MBLKS	Batch ID: 33585					Analysis Date: 9/2/2021	SeqNo: 1412333				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.10		10.00		91.0	50	150				
Surr: o-Terphenyl	9.49		10.00		94.9	50	150				

Sample ID: 2109027-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 9/2/2021	RunNo: 69677				
Client ID: BATCH	Batch ID: 33585					Analysis Date: 9/2/2021	SeqNo: 1412505				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Petroleum Hydrocarbons	552	161	536.5	0	103	68	132				
Surr: 2-Fluorobiphenyl	8.44		10.73		78.7	50	150				
Surr: o-Terphenyl	11.5		10.73		107	50	150				

Sample ID: 2109027-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 9/2/2021	RunNo: 69677				
Client ID: BATCH	Batch ID: 33585					Analysis Date: 9/2/2021	SeqNo: 1412506				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Petroleum Hydrocarbons	574	162	541.2	0	106	68	132	551.7	4.05	30	
Surr: 2-Fluorobiphenyl	8.43		10.82		77.9	50	150		0		
Surr: o-Terphenyl	12.0		10.82		111	50	150		0		

Work Order: 2109046
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2109027-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 9/2/2021	RunNo: 69677							
Client ID: BATCH	Batch ID: 33585		Analysis Date: 9/2/2021	SeqNo: 1412506							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2108442-003ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/2/2021	RunNo: 69677							
Client ID: BATCH	Batch ID: 33585		Analysis Date: 9/2/2021	SeqNo: 1412514							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	52.3						0		30	
Heavy Oil	ND	105						0		30	
Total Petroleum Hydrocarbons	ND	157						0		30	
Surr: 2-Fluorobiphenyl	8.30		10.46		79.3	50	150		0		
Surr: o-Terphenyl	8.77		10.46		83.8	50	150		0		

Work Order: 2109046
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33576	SampType: LCS	Units: mg/Kg			Prep Date: 9/2/2021	RunNo: 69691					
Client ID: LCSS	Batch ID: 33576				Analysis Date: 9/2/2021	SeqNo: 1412836					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	26.2	5.00	25.00	0	105	65	135				
Surr: Toluene-d8	1.24		1.250		98.9	65	135				
Surr: 4-Bromofluorobenzene	1.35		1.250		108	65	135				

Sample ID: MB-33576	SampType: MBLK	Units: mg/Kg			Prep Date: 9/2/2021	RunNo: 69691					
Client ID: MBLKS	Batch ID: 33576				Analysis Date: 9/2/2021	SeqNo: 1412837					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.20		1.250		96.3	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.250		105	65	135				

Sample ID: 2108402-050BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/2/2021	RunNo: 69691					
Client ID: BATCH	Batch ID: 33576				Analysis Date: 9/2/2021	SeqNo: 1412841					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.86						0		30	
Surr: Toluene-d8	1.15		1.215		94.6	65	135		0		
Surr: 4-Bromofluorobenzene	1.28		1.215		105	65	135		0		

Sample ID: 2108426-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 9/2/2021	RunNo: 69691					
Client ID: BATCH	Batch ID: 33576				Analysis Date: 9/2/2021	SeqNo: 1412848					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	33.3	6.22	31.11	0	107	65	135				
Surr: Toluene-d8	1.44		1.556		92.4	65	135				
Surr: 4-Bromofluorobenzene	1.66		1.556		107	65	135				

Work Order: 2109046
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2109046-003BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 9/2/2021	RunNo: 69691						
Client ID: Art-N02-W08-140	Batch ID: 33576			Analysis Date: 9/2/2021	SeqNo: 1412852						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	4.83						0		30	
Surr: Toluene-d8	1.14		1.208		94.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.23		1.208		102	65	135		0		

Work Order: 2109046
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33576	SampType: LCS	Units: mg/Kg				Prep Date: 9/2/2021	RunNo: 69690				
Client ID: LCSS	Batch ID: 33576					Analysis Date: 9/2/2021	SeqNo: 1412904				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.854	0.0250	1.000	0	85.4	80	120				
1,1-Dichloroethene	0.928	0.100	1.000	0	92.8	80	120				
trans-1,2-Dichloroethene	0.895	0.0300	1.000	0	89.5	80	120				
cis-1,2-Dichloroethene	0.942	0.0250	1.000	0	94.2	80	120				
Trichloroethene (TCE)	0.921	0.0200	1.000	0	92.1	80	120				
Tetrachloroethene (PCE)	0.861	0.0400	1.000	0	86.1	80	120				
Surr: Dibromofluoromethane	1.35		1.250		108	75.5	120				
Surr: Toluene-d8	1.30		1.250		104	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.3	78.5	120				

Sample ID: MB-33576	SampType: MBLK	Units: mg/Kg				Prep Date: 9/2/2021	RunNo: 69690				
Client ID: MBLKS	Batch ID: 33576					Analysis Date: 9/2/2021	SeqNo: 1412905				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.16		1.250		92.9	75.5	119				
Surr: Toluene-d8	1.19		1.250		95.4	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.8	78.5	118				

Sample ID: 2108402-050BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 9/2/2021	RunNo: 69690				
Client ID: BATCH	Batch ID: 33576					Analysis Date: 9/2/2021	SeqNo: 1412911				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0243						0		30	

Work Order: 2109046
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108402-050BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 9/2/2021		RunNo: 69690			
Client ID: BATCH		Batch ID: 33576				Analysis Date: 9/2/2021		SeqNo: 1412911			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0972						0		30	
trans-1,2-Dichloroethene	ND	0.0292						0		30	
cis-1,2-Dichloroethene	ND	0.0243						0		30	
Trichloroethene (TCE)	ND	0.0194						0		30	
Tetrachloroethene (PCE)	ND	0.0389						0		30	
Surr: Dibromofluoromethane	1.11		1.215		91.3	75.5	119		0		
Surr: Toluene-d8	1.21		1.215		99.7	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.19		1.215		98.3	78.5	118		0		

Sample ID: 2108402-053BMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 9/2/2021		RunNo: 69690			
Client ID: BATCH		Batch ID: 33576				Analysis Date: 9/2/2021		SeqNo: 1412918			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.01	0.0342	1.369	0	73.6	50.3	134				
1,1-Dichloroethene	1.57	0.137	1.369	0	115	62.2	138				
trans-1,2-Dichloroethene	1.54	0.0411	1.369	0	112	70.2	132				
cis-1,2-Dichloroethene	1.55	0.0342	1.369	0	114	79.6	125				
Trichloroethene (TCE)	1.49	0.0274	1.369	0	109	78.9	132				
Tetrachloroethene (PCE)	1.49	0.0548	1.369	0	109	77.7	131				
Surr: Dibromofluoromethane	1.78		1.711		104	75.5	119				
Surr: Toluene-d8	1.69		1.711		98.5	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.79		1.711		105	78.5	118				

Sample ID: 2109046-003BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 9/2/2021		RunNo: 69690			
Client ID: Art-N02-W08-140		Batch ID: 33576				Analysis Date: 9/2/2021		SeqNo: 1412922			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0242						0		30	
1,1-Dichloroethene	ND	0.0966						0		30	

Work Order: 2109046
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109046-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/2/2021	RunNo: 69690							
Client ID: Art-N02-W08-140	Batch ID: 33576		Analysis Date: 9/2/2021	SeqNo: 1412922							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0290						0		30	
cis-1,2-Dichloroethene	ND	0.0242						0		30	
Trichloroethene (TCE)	ND	0.0193						0		30	
Tetrachloroethene (PCE)	ND	0.0386						0		30	
Surr: Dibromofluoromethane	1.12		1.208		92.6	75.5	119		0		
Surr: Toluene-d8	1.20		1.208		99.4	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.15		1.208		95.2	78.5	118		0		

Client Name: **AC**

 Work Order Number: **2109046**

 Logged by: **Gabrielle Coeuille**

 Date Received: **9/2/2021 2:20:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	3.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2109109

September 09, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 9/8/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brianna Barnes".

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109109

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109109-001	ART-N22-W1-135	09/08/2021 1:50 PM	09/08/2021 3:18 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 9/8/2021 1:50:00 PM

Project: Schnitzer Artise

Lab ID: 2109109-001

Matrix: Soil

Client Sample ID: ART-N22-W1-135

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33623

Analyst: KT

Tetrachloroethene (PCE)	ND	0.0418		mg/Kg-dry	1	9/8/2021 4:04:49 PM
Surr: Dibromofluoromethane	87.4	75.5 - 119		%Rec	1	9/8/2021 4:04:49 PM
Surr: Toluene-d8	99.8	82.4 - 115		%Rec	1	9/8/2021 4:04:49 PM
Surr: 1-Bromo-4-fluorobenzene	110	78.5 - 118		%Rec	1	9/8/2021 4:04:49 PM

Sample Moisture (Percent Moisture)

Batch ID: R69773

Analyst: ALB

Percent Moisture	10.0	0.500		wt%	1	9/8/2021 2:16:41 PM
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Work Order: 2109109
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33623	SampType: LCS	Units: mg/Kg			Prep Date: 9/8/2021	RunNo: 69790					
Client ID: LCSS	Batch ID: 33623				Analysis Date: 9/8/2021	SeqNo: 1414916					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.992	0.0400	1.000	0	99.2	80	120				
Surr: Dibromofluoromethane	1.35		1.250		108	75.5	120				
Surr: Toluene-d8	1.28		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	78.5	120				

Sample ID: MB-33623	SampType: MBLK	Units: mg/Kg			Prep Date: 9/8/2021	RunNo: 69790					
Client ID: MBLKS	Batch ID: 33623				Analysis Date: 9/8/2021	SeqNo: 1414900					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.17		1.250		93.7	75.5	119				
Surr: Toluene-d8	1.25		1.250		100	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	78.5	118				

Sample ID: 2109081-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/8/2021	RunNo: 69790					
Client ID: BATCH	Batch ID: 33623				Analysis Date: 9/8/2021	SeqNo: 1414902					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0506						0		30	
Surr: Dibromofluoromethane	1.52		1.583		96.0	75.5	119		0		
Surr: Toluene-d8	1.63		1.583		103	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.51		1.583		95.6	78.5	118		0		

Sample ID: 2109109-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/8/2021	RunNo: 69790					
Client ID: ART-N22-W1-135	Batch ID: 33623				Analysis Date: 9/8/2021	SeqNo: 1414913					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0418						0		30	
Surr: Dibromofluoromethane	1.14		1.306		87.1	75.5	119		0		

Work Order: 2109109
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109109-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/8/2021	RunNo: 69790							
Client ID: ART-N22-W1-135	Batch ID: 33623		Analysis Date: 9/8/2021	SeqNo: 1414913							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	1.19		1.306		91.1	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.09		1.306		83.5	78.5	118		0		

Sample ID: 2109081-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 9/8/2021	RunNo: 69790							
Client ID: BATCH	Batch ID: 33623		Analysis Date: 9/8/2021	SeqNo: 1414914							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.676	0.0245	0.6117	0	111	77.7	131				
Surr: Dibromofluoromethane	0.812		0.7646		106	75.5	119				
Surr: Toluene-d8	0.779		0.7646		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.784		0.7646		103	78.5	118				

Client Name: **AC**

 Work Order Number: **2109109**

 Logged by: **Clare Griggs**

 Date Received: **9/8/2021 3:18:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

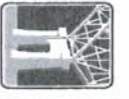
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/8/21 Page: 1 of: 1
Laboratory Project No (Internal): 2109109

Project Name: Schnitzer
Special Remarks:

Client: Aspect Consulting
Project No: 190298

Address: _____
Collected by: DCB

City, State, Zip: _____
Location:

Telephone: 206-838-6594
Report To (PM): Al Cochran

Fax: _____
PM Email: acochrane@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOGs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOGs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (C)***	EDB (8011)	Comments
1 ART-N22-W1-135	9/8/21	1350	Soil	3													HOLD see email from Al Cochran on 9/8/21
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Received (Signature) _____ Print Name _____ Date/Time _____

Relinquished (Signature) Dylan Branson Print Name Dylan Branson Date/Time 9/8/21 1410
 Received (Signature) Amelia Gatz Print Name Amelia Gatz Date/Time 9/8/21 1410

Relinquished (Signature) Amelia Gatz Print Name Amelia Gatz Date/Time 9/8/21 1500
 Received (Signature) Amelia Gatz Print Name Amelia Gatz Date/Time 9/8/21 1518



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2109136

September 15, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 9/9/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109136

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109136-001	ART-N28-W0-141	09/09/2021 10:30 AM	09/09/2021 2:13 PM
2109136-002	Trip Blank	09/09/2021 12:00 AM	09/09/2021 2:13 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 9/9/2021 10:30:00 AM

Project: Schnitzer Artise

Lab ID: 2109136-001

Matrix: Soil

Client Sample ID: ART-N28-W0-141

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33662

Analyst: CR

Vinyl chloride	ND	0.0211		mg/Kg-dry	1	9/10/2021 12:23:41 PM
1,1-Dichloroethene	ND	0.0843		mg/Kg-dry	1	9/10/2021 12:23:41 PM
trans-1,2-Dichloroethene	ND	0.0253		mg/Kg-dry	1	9/10/2021 12:23:41 PM
cis-1,2-Dichloroethene	ND	0.0211		mg/Kg-dry	1	9/10/2021 12:23:41 PM
Trichloroethene (TCE)	ND	0.0169		mg/Kg-dry	1	9/10/2021 12:23:41 PM
Tetrachloroethene (PCE)	0.125	0.0337		mg/Kg-dry	1	9/10/2021 12:23:41 PM
Surr: Dibromofluoromethane	100	75.5 - 119		%Rec	1	9/10/2021 12:23:41 PM
Surr: Toluene-d8	96.8	82.4 - 115		%Rec	1	9/10/2021 12:23:41 PM
Surr: 1-Bromo-4-fluorobenzene	92.9	78.5 - 118		%Rec	1	9/10/2021 12:23:41 PM

Sample Moisture (Percent Moisture)

Batch ID: R69896

Analyst: ALB

Percent Moisture	8.84	0.500		wt%	1	9/14/2021 11:45:08 AM
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Client: Aspect Consulting

Collection Date: 9/9/2021

Project: Schnitzer Artise

Lab ID: 2109136-002

Matrix: Soil

Client Sample ID: Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33662

Analyst: CR

Vinyl chloride	ND	0.0250		mg/Kg	1	9/10/2021 11:23:21 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	9/10/2021 11:23:21 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	9/10/2021 11:23:21 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	9/10/2021 11:23:21 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	9/10/2021 11:23:21 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	9/10/2021 11:23:21 AM
Surr: Dibromofluoromethane	99.2	75.5 - 119		%Rec	1	9/10/2021 11:23:21 AM
Surr: Toluene-d8	96.0	82.4 - 115		%Rec	1	9/10/2021 11:23:21 AM
Surr: 1-Bromo-4-fluorobenzene	92.3	78.5 - 118		%Rec	1	9/10/2021 11:23:21 AM

Work Order: 2109136
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33662	SampType: LCS	Units: µg/L				Prep Date: 9/10/2021	RunNo: 69856				
Client ID: LCSS	Batch ID: 33662					Analysis Date: 9/10/2021	SeqNo: 1416357				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.992	0.0250	1.000	0	99.2	80	120				
1,1-Dichloroethene	0.972	0.100	1.000	0	97.2	80	120				
trans-1,2-Dichloroethene	0.976	0.0300	1.000	0	97.6	80	120				
cis-1,2-Dichloroethene	0.974	0.0250	1.000	0	97.4	80	120				
Trichloroethene (TCE)	0.992	0.0200	1.000	0	99.2	80	120				
Tetrachloroethene (PCE)	0.957	0.0400	1.000	0	95.7	80	120				
Surr: Dibromofluoromethane	1.15		1.250		92.4	75.5	120				
Surr: Toluene-d8	1.27		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.33		1.250		107	78.5	120				

Sample ID: MB-33662	SampType: MBLK	Units: mg/Kg				Prep Date: 9/10/2021	RunNo: 69856				
Client ID: MBLKS	Batch ID: 33662					Analysis Date: 9/10/2021	SeqNo: 1416356				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.23		1.250		98.8	75.5	119				
Surr: Toluene-d8	1.19		1.250		95.2	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.16		1.250		92.7	78.5	118				

Sample ID: 2109136-001BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 9/10/2021	RunNo: 69856				
Client ID: ART-N28-W0-141	Batch ID: 33662					Analysis Date: 9/10/2021	SeqNo: 1416352				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.823	0.0211	0.8427	0	97.7	50.3	134				

Work Order: 2109136
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109136-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 9/10/2021	RunNo: 69856							
Client ID: ART-N28-W0-141	Batch ID: 33662		Analysis Date: 9/10/2021	SeqNo: 1416352							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.830	0.0843	0.8427	0	98.5	62.2	138				
trans-1,2-Dichloroethene	0.865	0.0253	0.8427	0	103	70.2	132				
cis-1,2-Dichloroethene	0.868	0.0211	0.8427	0	103	79.6	125				
Trichloroethene (TCE)	0.882	0.0169	0.8427	0	105	78.9	132				
Tetrachloroethene (PCE)	0.998	0.0337	0.8427	0.1254	103	77.7	131				
Surr: Dibromofluoromethane	0.967		1.053		91.8	75.5	119				
Surr: Toluene-d8	1.06		1.053		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.11		1.053		106	78.5	118				

Sample ID: LCSD-33662	SampType: LCSD	Units: µg/L	Prep Date: 9/10/2021	RunNo: 69856							
Client ID: LCSS02	Batch ID: 33662		Analysis Date: 9/10/2021	SeqNo: 1416355							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.936	0.0250	1.000	0	93.6	80	120	0.9920	5.83	20	
1,1-Dichloroethene	0.958	0.100	1.000	0	95.8	80	120	0.9723	1.51	20	
trans-1,2-Dichloroethene	0.962	0.0300	1.000	0	96.2	80	120	0.9759	1.47	20	
cis-1,2-Dichloroethene	0.961	0.0250	1.000	0	96.1	80	120	0.9737	1.33	20	
Trichloroethene (TCE)	0.961	0.0200	1.000	0	96.1	80	120	0.9917	3.13	20	
Tetrachloroethene (PCE)	0.960	0.0400	1.000	0	96.0	80	120	0.9572	0.330	20	
Surr: Dibromofluoromethane	1.15		1.250		92.3	75.5	120		0		
Surr: Toluene-d8	1.25		1.250		100	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.33		1.250		107	78.5	120		0		

Client Name: **AC**

 Work Order Number: **2109136**

 Logged by: **Clare Griggs**

 Date Received: **9/9/2021 2:13:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Picked up by FAI

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/19/21 Page: 1 of 1
Project Name: Schmitzer
Project No: 190298
Laboratory Project No (Internal): 2109136

Client: Aspect Consulting

Collected by: DCR

Location:

City, State, Zip:
Telephone: 206-838-6594

Report To (PM): Air Cochrane

PM Email: acochrane@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCS (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (801-T)	CVOC's	Comments
1 ART-NZ8-W0-141	9/19/21	1030	5071	3														
2 Trip Blank				1														
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature) *Dylan Branscum* Print Name **Dylan Branscum** Date/Time **9/19/21 1330**
 Relinquished (Signature) *Robert McLean* Print Name **Robert McLean** Date/Time **9/19/21 1400**
 Received (Signature) *Robert McLean* Print Name **Robert McLean** Date/Time **9/19/21 1413**



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2109197

September 15, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 9/14/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



Date: 09/15/2021

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109197

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109197-001	Art-N08-W24-140	09/14/2021 10:30 AM	09/14/2021 2:52 PM
2109197-002	Art-N90-W90-140	09/14/2021 10:35 AM	09/14/2021 2:52 PM
2109197-003	Art-TB-12	09/14/2021 7:00 AM	09/14/2021 2:52 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2109197-001

Collection Date: 9/14/2021 10:30:00 AM

Client Sample ID: Art-N08-W24-140

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33696

Analyst: KT

Vinyl chloride	ND	0.0190		mg/Kg-dry	1	9/14/2021 7:21:28 PM
1,1-Dichloroethene	ND	0.0761		mg/Kg-dry	1	9/14/2021 7:21:28 PM
trans-1,2-Dichloroethene	ND	0.0228		mg/Kg-dry	1	9/14/2021 7:21:28 PM
cis-1,2-Dichloroethene	ND	0.0190		mg/Kg-dry	1	9/14/2021 7:21:28 PM
Trichloroethene (TCE)	ND	0.0152		mg/Kg-dry	1	9/14/2021 7:21:28 PM
Tetrachloroethene (PCE)	ND	0.0304		mg/Kg-dry	1	9/14/2021 7:21:28 PM
Surr: Dibromofluoromethane	96.5	75.5 - 119		%Rec	1	9/14/2021 7:21:28 PM
Surr: Toluene-d8	96.1	82.4 - 115		%Rec	1	9/14/2021 7:21:28 PM
Surr: 1-Bromo-4-fluorobenzene	92.9	78.5 - 118		%Rec	1	9/14/2021 7:21:28 PM

Sample Moisture (Percent Moisture)

Batch ID: R69911

Analyst: KJ

Percent Moisture	9.23	0.500		wt%	1	9/15/2021 8:01:49 AM
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Lab ID: 2109197-002

Collection Date: 9/14/2021 10:35:00 AM

Client Sample ID: Art-N90-W90-140

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33696

Analyst: KT

Vinyl chloride	ND	0.0240		mg/Kg-dry	1	9/14/2021 8:21:45 PM
1,1-Dichloroethene	ND	0.0959		mg/Kg-dry	1	9/14/2021 8:21:45 PM
trans-1,2-Dichloroethene	ND	0.0288		mg/Kg-dry	1	9/14/2021 8:21:45 PM
cis-1,2-Dichloroethene	ND	0.0240		mg/Kg-dry	1	9/14/2021 8:21:45 PM
Trichloroethene (TCE)	ND	0.0192		mg/Kg-dry	1	9/14/2021 8:21:45 PM
Tetrachloroethene (PCE)	ND	0.0384		mg/Kg-dry	1	9/14/2021 8:21:45 PM
Surr: Dibromofluoromethane	98.6	75.5 - 119		%Rec	1	9/14/2021 8:21:45 PM
Surr: Toluene-d8	97.1	82.4 - 115		%Rec	1	9/14/2021 8:21:45 PM
Surr: 1-Bromo-4-fluorobenzene	93.6	78.5 - 118		%Rec	1	9/14/2021 8:21:45 PM

Sample Moisture (Percent Moisture)

Batch ID: R69911

Analyst: KJ

Percent Moisture	8.84	0.500		wt%	1	9/15/2021 8:01:49 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109197-003

Collection Date: 9/14/2021 7:00:00 AM

Client Sample ID: Art-TB-12

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33696

Analyst: KT

Vinyl chloride	ND	0.0250		mg/Kg	1	9/14/2021 6:51:20 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	9/14/2021 6:51:20 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	9/14/2021 6:51:20 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	9/14/2021 6:51:20 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	9/14/2021 6:51:20 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	9/14/2021 6:51:20 PM
Surr: Dibromofluoromethane	95.5	75.5 - 119		%Rec	1	9/14/2021 6:51:20 PM
Surr: Toluene-d8	96.4	82.4 - 115		%Rec	1	9/14/2021 6:51:20 PM
Surr: 1-Bromo-4-fluorobenzene	94.9	78.5 - 118		%Rec	1	9/14/2021 6:51:20 PM

Work Order: 2109197
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33696	SampType: LCS	Units: mg/Kg				Prep Date: 9/14/2021	RunNo: 69912				
Client ID: LCSS	Batch ID: 33696					Analysis Date: 9/14/2021	SeqNo: 1417489				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.01	0.0250	1.000	0	101	80	120				
1,1-Dichloroethene	0.983	0.100	1.000	0	98.3	80	120				
trans-1,2-Dichloroethene	0.993	0.0300	1.000	0	99.3	80	120				
cis-1,2-Dichloroethene	0.988	0.0250	1.000	0	98.8	80	120				
Trichloroethene (TCE)	0.992	0.0200	1.000	0	99.2	80	120				
Tetrachloroethene (PCE)	0.979	0.0400	1.000	0	97.9	80	120				
Surr: Dibromofluoromethane	1.14		1.250		91.6	75.5	120				
Surr: Toluene-d8	1.26		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.32		1.250		106	78.5	120				

Sample ID: MB-33696	SampType: MBLK	Units: mg/Kg				Prep Date: 9/14/2021	RunNo: 69912				
Client ID: MBLKS	Batch ID: 33696					Analysis Date: 9/14/2021	SeqNo: 1417488				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.20		1.250		96.3	75.5	119				
Surr: Toluene-d8	1.21		1.250		97.1	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.250		95.1	78.5	118				

Sample ID: 2109197-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 9/14/2021	RunNo: 69912				
Client ID: Art-N08-W24-140	Batch ID: 33696					Analysis Date: 9/14/2021	SeqNo: 1417482				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0190						0		30	

Work Order: 2109197
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109197-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/14/2021	RunNo: 69912							
Client ID: Art-N08-W24-140	Batch ID: 33696		Analysis Date: 9/14/2021	SeqNo: 1417482							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0761						0		30	
trans-1,2-Dichloroethene	ND	0.0228						0		30	
cis-1,2-Dichloroethene	ND	0.0190						0		30	
Trichloroethene (TCE)	ND	0.0152						0		30	
Tetrachloroethene (PCE)	ND	0.0304						0		30	
Surr: Dibromofluoromethane	0.940		0.9515		98.8	75.5	119		0		
Surr: Toluene-d8	0.913		0.9515		96.0	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.886		0.9515		93.1	78.5	118		0		

Sample ID: 2109197-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 9/14/2021	RunNo: 69912							
Client ID: Art-N90-W90-140	Batch ID: 33696		Analysis Date: 9/14/2021	SeqNo: 1417484							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.845	0.0240	0.9591	0	88.1	50.3	134				
1,1-Dichloroethene	0.939	0.0959	0.9591	0	97.9	62.2	138				
trans-1,2-Dichloroethene	0.969	0.0288	0.9591	0	101	70.2	132				
cis-1,2-Dichloroethene	0.996	0.0240	0.9591	0	104	79.6	125				
Trichloroethene (TCE)	0.984	0.0192	0.9591	0	103	78.9	132				
Tetrachloroethene (PCE)	0.980	0.0384	0.9591	0	102	77.7	131				
Surr: Dibromofluoromethane	1.11		1.199		92.8	75.5	119				
Surr: Toluene-d8	1.22		1.199		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.199		108	78.5	118				

Client Name: AC	Work Order Number: 2109197
Logged by: Gabrielle Coeuille	Date Received: 9/14/2021 2:52:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2109211

September 16, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 9/15/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109211

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109211-001	Art-N06-W06-140	09/15/2021 9:00 AM	09/15/2021 2:16 PM
2109211-002	Art-N06-W06-136	09/15/2021 9:35 AM	09/15/2021 2:16 PM
2109211-003	Art-N06-W03-138	09/15/2021 10:30 AM	09/15/2021 2:16 PM
2109211-004	Art-N09-W04-138	09/15/2021 11:00 AM	09/15/2021 2:16 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109211-001

Collection Date: 9/15/2021 9:00:00 AM

Client Sample ID: Art-N06-W06-140

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33703

Analyst: MM

Diesel (Fuel Oil)	ND	53.7		mg/Kg-dry	1	9/15/2021 8:23:37 PM
Heavy Oil	ND	107		mg/Kg-dry	1	9/15/2021 8:23:37 PM
Total Petroleum Hydrocarbons	ND	161		mg/Kg-dry	1	9/15/2021 8:23:37 PM
Surr: 2-Fluorobiphenyl	89.3	50 - 150		%Rec	1	9/15/2021 8:23:37 PM
Surr: o-Terphenyl	98.1	50 - 150		%Rec	1	9/15/2021 8:23:37 PM

Gasoline by NWTPH-Gx

Batch ID: 33708

Analyst: KT

Gasoline	ND	38.5	D	mg/Kg-dry	10	9/16/2021 10:47:03 AM
Gasoline Range Organics (C6-C12)	313	38.5	D	mg/Kg-dry	10	9/16/2021 10:47:03 AM
Surr: Toluene-d8	92.0	65 - 135	D	%Rec	10	9/16/2021 10:47:03 AM
Surr: 4-Bromofluorobenzene	114	65 - 135	D	%Rec	10	9/16/2021 10:47:03 AM

NOTES:

Gasoline Range Organics - Chromatographic pattern resembles either weathered gasoline or mineral spirits.

Sample Moisture (Percent Moisture)

Batch ID: R69930

Analyst: ALB

Percent Moisture	8.47	0.500		wt%	1	9/15/2021 1:38:01 PM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109211-002

Collection Date: 9/15/2021 9:35:00 AM

Client Sample ID: Art-N06-W06-136

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33703

Analyst: MM

Diesel (Fuel Oil)	ND	53.1		mg/Kg-dry	1	9/15/2021 8:36:20 PM
Heavy Oil	ND	106		mg/Kg-dry	1	9/15/2021 8:36:20 PM
Total Petroleum Hydrocarbons	ND	159		mg/Kg-dry	1	9/15/2021 8:36:20 PM
Surr: 2-Fluorobiphenyl	86.1	50 - 150		%Rec	1	9/15/2021 8:36:20 PM
Surr: o-Terphenyl	98.4	50 - 150		%Rec	1	9/15/2021 8:36:20 PM

Gasoline by NWTPH-Gx

Batch ID: 33708

Analyst: KT

Gasoline	ND	4.92		mg/Kg-dry	1	9/16/2021 10:16:57 AM
Surr: Toluene-d8	97.9	65 - 135		%Rec	1	9/16/2021 10:16:57 AM
Surr: 4-Bromofluorobenzene	88.1	65 - 135		%Rec	1	9/16/2021 10:16:57 AM

Sample Moisture (Percent Moisture)

Batch ID: R69930

Analyst: ALB

Percent Moisture	17.6	0.500		wt%	1	9/15/2021 1:38:01 PM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2109211-003

Collection Date: 9/15/2021 10:30:00 AM

Client Sample ID: Art-N06-W03-138

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33703		Analyst: MM
Diesel (Fuel Oil)	ND	55.6		mg/Kg-dry	1	9/15/2021 8:49:01 PM
Heavy Oil	ND	111		mg/Kg-dry	1	9/15/2021 8:49:01 PM
Total Petroleum Hydrocarbons	ND	167		mg/Kg-dry	1	9/15/2021 8:49:01 PM
Surr: 2-Fluorobiphenyl	86.1	50 - 150		%Rec	1	9/15/2021 8:49:01 PM
Surr: o-Terphenyl	97.6	50 - 150		%Rec	1	9/15/2021 8:49:01 PM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33708		Analyst: KT
Gasoline	ND	4.08		mg/Kg-dry	1	9/15/2021 7:07:21 PM
Surr: Toluene-d8	96.4	65 - 135		%Rec	1	9/15/2021 7:07:21 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	9/15/2021 7:07:21 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R69930		Analyst: ALB
Percent Moisture	11.4	0.500		wt%	1	9/15/2021 1:38:01 PM



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109211-004

Collection Date: 9/15/2021 11:00:00 AM

Client Sample ID: Art-N09-W04-138

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33703

Analyst: MM

Diesel (Fuel Oil)	ND	53.3		mg/Kg-dry	1	9/15/2021 9:01:45 PM
Heavy Oil	ND	107		mg/Kg-dry	1	9/15/2021 9:01:45 PM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	9/15/2021 9:01:45 PM
Surr: 2-Fluorobiphenyl	105	50 - 150		%Rec	1	9/15/2021 9:01:45 PM
Surr: o-Terphenyl	116	50 - 150		%Rec	1	9/15/2021 9:01:45 PM

Gasoline by NWTPH-Gx

Batch ID: 33708

Analyst: KT

Gasoline	ND	3.80		mg/Kg-dry	1	9/15/2021 7:37:27 PM
Surr: Toluene-d8	98.7	65 - 135		%Rec	1	9/15/2021 7:37:27 PM
Surr: 4-Bromofluorobenzene	93.3	65 - 135		%Rec	1	9/15/2021 7:37:27 PM

Sample Moisture (Percent Moisture)

Batch ID: R69930

Analyst: ALB

Percent Moisture	11.6	0.500		wt%	1	9/15/2021 1:38:01 PM
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Work Order: 2109211
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33703	SampType: MBLK	Units: mg/Kg				Prep Date: 9/15/2021	RunNo: 69956				
Client ID: MBLKS	Batch ID: 33703					Analysis Date: 9/15/2021	SeqNo: 1418260				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	8.45		10.00		84.5	50	150				
Surr: o-Terphenyl	9.77		10.00		97.7	50	150				

Sample ID: LCS-33703	SampType: LCS	Units: mg/Kg				Prep Date: 9/15/2021	RunNo: 69956				
Client ID: LCSS	Batch ID: 33703					Analysis Date: 9/15/2021	SeqNo: 1418261				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	595	150	500.0	0	119	77.2	122				
Surr: 2-Fluorobiphenyl	11.4		10.00		114	50	150				
Surr: o-Terphenyl	14.4		10.00		145	50	150				

Sample ID: 2109206-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 9/15/2021	RunNo: 69956				
Client ID: BATCH	Batch ID: 33703					Analysis Date: 9/15/2021	SeqNo: 1418294				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,340	164	546.0	628.9	131	68	132				
Surr: 2-Fluorobiphenyl	10.6		10.92		96.8	50	150				
Surr: o-Terphenyl	14.3		10.92		131	50	150				

Sample ID: 2109206-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 9/15/2021	RunNo: 69956				
Client ID: BATCH	Batch ID: 33703					Analysis Date: 9/15/2021	SeqNo: 1418265				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,080	160	532.3	628.9	85.0	68	132	1,342	21.5	30	
Surr: 2-Fluorobiphenyl	18.4		21.29		86.4	50	150		0		
Surr: o-Terphenyl	21.7		21.29		102	50	150		0		

Work Order: 2109211
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2109206-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 9/15/2021	RunNo: 69956							
Client ID: BATCH	Batch ID: 33703	Analysis Date: 9/15/2021	SeqNo: 1418265								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2109208-008ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/15/2021	RunNo: 69956							
Client ID: BATCH	Batch ID: 33703	Analysis Date: 9/15/2021	SeqNo: 1418282								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	52.0						0		30	
Heavy Oil	ND	104						0		30	
Total Petroleum Hydrocarbons	ND	156						0		30	
Surr: 2-Fluorobiphenyl	9.07		10.41		87.2	50	150		0		
Surr: o-Terphenyl	10.2		10.41		97.8	50	150		0		

Work Order: 2109211
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33708	SampType: LCS	Units: mg/Kg			Prep Date: 9/15/2021	RunNo: 69954					
Client ID: LCSS	Batch ID: 33708				Analysis Date: 9/15/2021	SeqNo: 1418255					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	27.9	5.00	25.00	0	112	65	135				
Surr: Toluene-d8	1.28		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.250		104	65	135				

Sample ID: MB-33708	SampType: MBLK	Units: mg/Kg			Prep Date: 9/15/2021	RunNo: 69954					
Client ID: MBLKS	Batch ID: 33708				Analysis Date: 9/15/2021	SeqNo: 1418256					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.22		1.250		97.9	65	135				
Surr: 4-Bromofluorobenzene	1.12		1.250		89.9	65	135				

Sample ID: 2109200-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/15/2021	RunNo: 69954					
Client ID: BATCH	Batch ID: 33708				Analysis Date: 9/15/2021	SeqNo: 1418243					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.77						0		30	
Surr: Toluene-d8	1.66		1.692		98.1	65	135		0		
Surr: 4-Bromofluorobenzene	1.52		1.692		89.8	65	135		0		

Sample ID: 2109211-003BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 9/15/2021	RunNo: 69954					
Client ID: Art-N06-W03-138	Batch ID: 33708				Analysis Date: 9/15/2021	SeqNo: 1418249					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	17.6	4.08	20.42	2.090	75.9	65	135				
Surr: Toluene-d8	1.02		1.021		100	65	135				
Surr: 4-Bromofluorobenzene	1.05		1.021		103	65	135				

Client Name: AC	Work Order Number: 2109211
Logged by: Clare Griggs	Date Received: 9/15/2021 2:16:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

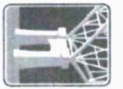
Person Notified:	<input style="width: 95%;" type="text"/>	Date:	<input style="width: 95%;" type="text"/>
By Whom:	<input style="width: 95%;" type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input style="width: 95%;" type="text"/>		
Client Instructions:	<input style="width: 95%;" type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	4.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 9/15/21 Page: 1 of 1
Laboratory Project No (Internal): 2109211

Project Name: Schutzer
Special Remarks:

Client: Asper Consulting

Project No: 190298

Address: _____
Collected by: ZC

City, State, Zip: _____
Location:

Telephone: 316.617.0499
Report To (PM): Al Colburne

Fax: _____
PM Email: acolburne@asperconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes										Comments			
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)		Anions (A)***	EDB (8011)	
1 Aq-NDB-WDB-140	9/15/21	0900	Soil	3														
2 Aq-NDB-WDB-136		0935																
3 Aq-NDB-WDB-138		1070																
4 Aq-NDB-WDB-138		1100																
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) _____ Date/Time 9/15/21 1250

Print Name Daniel B. B...

Relinquished (Signature) _____ Date/Time _____

Print Name _____

Received (Signature) _____ Date/Time 9/15/21 14:16

Print Name Justine W...



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2109316

September 21, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 9/20/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109316

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109316-001	ART-N8-W0-131	09/20/2021 9:55 AM	09/20/2021 4:07 PM
2109316-002	ART-N1-W22-143	09/20/2021 2:20 PM	09/20/2021 4:07 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 9/20/2021 9:55:00 AM

Project: Schnitzer Artise

Lab ID: 2109316-001

Matrix: Soil

Client Sample ID: ART-N8-W0-131

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33761 Analyst: CR

Gasoline	ND	3.24		mg/Kg-dry	1	9/21/2021 9:38:00 AM
Surr: Toluene-d8	98.6	65 - 135		%Rec	1	9/21/2021 9:38:00 AM
Surr: 4-Bromofluorobenzene	88.5	65 - 135		%Rec	1	9/21/2021 9:38:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R70011 Analyst: ALB

Percent Moisture	10.8	0.500		wt%	1	9/20/2021 3:37:02 PM
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Client: Aspect Consulting

Collection Date: 9/20/2021 2:20:00 PM

Project: Schnitzer Artise

Lab ID: 2109316-002

Matrix: Soil

Client Sample ID: ART-N1-W22-143

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 33756 Analyst: MM

Diesel (Fuel Oil)	ND	52.6		mg/Kg-dry	1	9/20/2021 6:15:53 PM
Heavy Oil	ND	105		mg/Kg-dry	1	9/20/2021 6:15:53 PM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	9/20/2021 6:15:53 PM
Surr: 2-Fluorobiphenyl	81.2	50 - 150		%Rec	1	9/20/2021 6:15:53 PM
Surr: o-Terphenyl	84.4	50 - 150		%Rec	1	9/20/2021 6:15:53 PM

Gasoline by NWTPH-Gx

Batch ID: 33761 Analyst: CR

Gasoline	29.7	3.57		mg/Kg-dry	1	9/21/2021 10:38:14 AM
Surr: Toluene-d8	99.2	65 - 135		%Rec	1	9/21/2021 10:38:14 AM
Surr: 4-Bromofluorobenzene	117	65 - 135		%Rec	1	9/21/2021 10:38:14 AM

Sample Moisture (Percent Moisture)

Batch ID: R70011 Analyst: ALB

Percent Moisture	9.88	0.500		wt%	1	9/20/2021 3:37:02 PM
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Work Order: 2109316
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-33756	SampType: MBLK	Units: mg/Kg			Prep Date: 9/20/2021	RunNo: 70016					
Client ID: MBLKS	Batch ID: 33756				Analysis Date: 9/20/2021	SeqNo: 1419533					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	10.1		10.00		101	50	150				
Surr: o-Terphenyl	10.2		10.00		102	50	150				

Sample ID: LCS-33756	SampType: LCS	Units: mg/Kg			Prep Date: 9/20/2021	RunNo: 70016					
Client ID: LCSS	Batch ID: 33756				Analysis Date: 9/20/2021	SeqNo: 1419534					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	451	150	500.0	0	90.1	77.2	122				
Surr: 2-Fluorobiphenyl	6.17		10.00		61.7	50	150				
Surr: o-Terphenyl	9.91		10.00		99.1	50	150				

Sample ID: LCSD-33756	SampType: LCSD	Units: mg/Kg			Prep Date: 9/20/2021	RunNo: 70016					
Client ID: LCSS02	Batch ID: 33756				Analysis Date: 9/20/2021	SeqNo: 1419535					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	479	150	500.0	0	95.9	77.2	122	450.6	6.21	30	
Surr: 2-Fluorobiphenyl	6.34		10.00		63.4	50	150		0		
Surr: o-Terphenyl	11.8		10.00		118	50	150		0		

Work Order: 2109316
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33761	SampType: LCS	Units: mg/Kg			Prep Date: 9/21/2021	RunNo: 70033					
Client ID: LCSS	Batch ID: 33761				Analysis Date: 9/21/2021	SeqNo: 1419942					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	27.9	5.00	25.00	0	112	65	135				
Surr: Toluene-d8	1.28		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID: MB-33761	SampType: MBLK	Units: mg/Kg			Prep Date: 9/21/2021	RunNo: 70033					
Client ID: MBLKS	Batch ID: 33761				Analysis Date: 9/21/2021	SeqNo: 1419943					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.21		1.250		97.1	65	135				
Surr: 4-Bromofluorobenzene	1.09		1.250		87.4	65	135				

Sample ID: 2109316-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/21/2021	RunNo: 70033					
Client ID: ART-N8-W0-131	Batch ID: 33761				Analysis Date: 9/21/2021	SeqNo: 1419945					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.24						0		30	
Surr: Toluene-d8	0.803		0.8091		99.3	65	135		0		
Surr: 4-Bromofluorobenzene	0.705		0.8091		87.2	65	135		0		

Sample ID: 2109316-002BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 9/21/2021	RunNo: 70033					
Client ID: ART-N1-W22-143	Batch ID: 33761				Analysis Date: 9/21/2021	SeqNo: 1419939					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	48.4	3.57	17.86	29.70	105	65	135				
Surr: Toluene-d8	0.898		0.8930		101	65	135				
Surr: 4-Bromofluorobenzene	1.08		0.8930		121	65	135				

Client Name: **AC**

 Work Order Number: **2109316**

 Logged by: **Clare Griggs**

 Date Received: **9/20/2021 4:07:07 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 09/20/21 Page: 1 of 1
Project Name: The Arrise
Laboratory Project No (Internal): 210936

Client: Aspect Consulting
Project No: 190298

Address: 710 2nd Ave Suite 550
Collected by: MMR

City, State, zip: Seattle WA 98104
Location:

Telephone: 206.538.10594
Report To (PM): Ali Courane

Fax: PM Email: aacourane@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDs (8011)	Comments
1 ART-N8-W0-131	9/20/21	0955	Soil	3			X										Standard TAT
2 ART-N1-W22-143	9/20/21	1420	Soil	3			X										Next-day TAT
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide O-Phosphate Fluoride Nitrate+Nitrite
 I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) Print Name Date/Time Received (Signature) Date/Time
 Relinquished (Signature) Print Name Date/Time Received (Signature) Date/Time

Relinquished (Signature) Print Name Date/Time Received (Signature) Date/Time
 Relinquished (Signature) Print Name Date/Time



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2109334

September 22, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 9/21/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brianna Barnes".

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109334

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109334-001	ART-N28-W02-134	09/21/2021 8:00 AM	09/21/2021 2:42 PM
2109334-002	ART-W16-W19-142	09/21/2021 9:07 AM	09/21/2021 2:42 PM
2109334-003	ART-W20-142	09/21/2021 10:38 AM	09/21/2021 2:42 PM
2109334-004	ART-N05-W15-140	09/21/2021 11:02 AM	09/21/2021 2:42 PM
2109334-005	ART-N01-W12-137	09/21/2021 11:09 AM	09/21/2021 2:42 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2109334-001

Collection Date: 9/21/2021 8:00:00 AM

Client Sample ID: ART-N28-W02-134

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33778

Analyst: KT

Tetrachloroethene (PCE)	0.0443	0.0265		mg/Kg-dry	1	9/21/2021 6:37:12 PM
Surr: Dibromofluoromethane	96.0	75.5 - 119		%Rec	1	9/21/2021 6:37:12 PM
Surr: Toluene-d8	96.6	82.4 - 115		%Rec	1	9/21/2021 6:37:12 PM
Surr: 1-Bromo-4-fluorobenzene	86.9	78.5 - 118		%Rec	1	9/21/2021 6:37:12 PM

Sample Moisture (Percent Moisture)

Batch ID: R70037

Analyst: cb

Percent Moisture	7.86	0.500		wt%	1	9/21/2021 2:11:42 PM
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Lab ID: 2109334-002

Collection Date: 9/21/2021 9:07:00 AM

Client Sample ID: ART-W16-W19-142

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33778

Analyst: KT

Gasoline	ND	3.86		mg/Kg-dry	1	9/21/2021 7:07:19 PM
Surr: Toluene-d8	97.8	65 - 135		%Rec	1	9/21/2021 7:07:19 PM
Surr: 4-Bromofluorobenzene	86.1	65 - 135		%Rec	1	9/21/2021 7:07:19 PM

Sample Moisture (Percent Moisture)

Batch ID: R70037

Analyst: cb

Percent Moisture	8.67	0.500		wt%	1	9/21/2021 2:11:42 PM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2109334-003

Client Sample ID: ART-W20-142

Collection Date: 9/21/2021 10:38:00 AM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33778

Analyst: KT

Gasoline	ND	3.79		mg/Kg-dry	1	9/21/2021 7:37:26 PM
Surr: Toluene-d8	97.5	65 - 135		%Rec	1	9/21/2021 7:37:26 PM
Surr: 4-Bromofluorobenzene	85.7	65 - 135		%Rec	1	9/21/2021 7:37:26 PM

Sample Moisture (Percent Moisture)

Batch ID: R70037

Analyst: cb

Percent Moisture	8.68	0.500		wt%	1	9/21/2021 2:11:42 PM
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Lab ID: 2109334-004

Client Sample ID: ART-N05-W15-140

Collection Date: 9/21/2021 11:02:00 AM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33778

Analyst: KT

Gasoline	ND	3.32		mg/Kg-dry	1	9/21/2021 8:07:32 PM
Surr: Toluene-d8	98.1	65 - 135		%Rec	1	9/21/2021 8:07:32 PM
Surr: 4-Bromofluorobenzene	86.2	65 - 135		%Rec	1	9/21/2021 8:07:32 PM

Sample Moisture (Percent Moisture)

Batch ID: R70037

Analyst: cb

Percent Moisture	4.96	0.500		wt%	1	9/21/2021 2:11:42 PM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2109334-005

Collection Date: 9/21/2021 11:09:00 AM

Client Sample ID: ART-N01-W12-137

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33778

Analyst: KT

Gasoline	ND	3.20		mg/Kg-dry	1	9/21/2021 9:07:50 PM
Surr: Toluene-d8	98.7	65 - 135		%Rec	1	9/21/2021 9:07:50 PM
Surr: 4-Bromofluorobenzene	86.0	65 - 135		%Rec	1	9/21/2021 9:07:50 PM

Sample Moisture (Percent Moisture)

Batch ID: R70037

Analyst: cb

Percent Moisture	11.5	0.500		wt%	1	9/21/2021 2:11:42 PM
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Work Order: 2109334
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33778	SampType: LCS	Units: mg/Kg	Prep Date: 9/21/2021	RunNo: 70051							
Client ID: LCSS	Batch ID: 33778		Analysis Date: 9/21/2021	SeqNo: 1420552							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	32.7	5.00	25.00	0	131	65	135				
Surr: Toluene-d8	1.29		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.250		103	65	135				

Sample ID: MB-33778	SampType: MBLK	Units: mg/Kg	Prep Date: 9/21/2021	RunNo: 70051							
Client ID: MBLKS	Batch ID: 33778		Analysis Date: 9/21/2021	SeqNo: 1420553							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.22		1.250		97.8	65	135				
Surr: 4-Bromofluorobenzene	1.08		1.250		86.8	65	135				

Sample ID: 2109334-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/21/2021	RunNo: 70051							
Client ID: ART-N05-W15-140	Batch ID: 33778		Analysis Date: 9/21/2021	SeqNo: 1420547							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.32						0		30	
Surr: Toluene-d8	0.819		0.8296		98.8	65	135		0		
Surr: 4-Bromofluorobenzene	0.702		0.8296		84.6	65	135		0		

Sample ID: 2109334-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 9/21/2021	RunNo: 70051							
Client ID: ART-N01-W12-137	Batch ID: 33778		Analysis Date: 9/21/2021	SeqNo: 1420548							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	19.6	3.20	16.01	1.320	114	65	135				
Surr: Toluene-d8	0.812		0.8007		101	65	135				
Surr: 4-Bromofluorobenzene	0.835		0.8007		104	65	135				

Work Order: 2109334
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33778	SampType: LCS	Units: mg/Kg	Prep Date: 9/21/2021	RunNo: 70050							
Client ID: LCSS	Batch ID: 33778		Analysis Date: 9/21/2021	SeqNo: 1420542							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.19	0.0400	1.000	0	119	80	120				
Surr: Dibromofluoromethane	1.09		1.250		87.5	75.5	120				
Surr: Toluene-d8	1.21		1.250		97.1	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	78.5	120				

Sample ID: MB-33778	SampType: MBLK	Units: mg/Kg	Prep Date: 9/21/2021	RunNo: 70050							
Client ID: MBLKS	Batch ID: 33778		Analysis Date: 9/21/2021	SeqNo: 1420541							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.18		1.250		94.5	75.5	119				
Surr: Toluene-d8	1.20		1.250		96.3	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.13		1.250		90.2	78.5	118				

Sample ID: 2109334-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/21/2021	RunNo: 70050							
Client ID: ART-N05-W15-140	Batch ID: 33778		Analysis Date: 9/21/2021	SeqNo: 1420538							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0265						0		30	
Surr: Dibromofluoromethane	0.800		0.8296		96.4	75.5	119		0		
Surr: Toluene-d8	0.798		0.8296		96.2	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.729		0.8296		87.9	78.5	118		0		

Sample ID: 2109334-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 9/21/2021	RunNo: 70050							
Client ID: ART-N28-W02-134	Batch ID: 33778		Analysis Date: 9/21/2021	SeqNo: 1420536							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.874	0.0265	0.6614	0.04425	125	77.7	131				
Surr: Dibromofluoromethane	0.752		0.8268		90.9	75.5	119				

Work Order: 2109334
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109334-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 9/21/2021	RunNo: 70050							
Client ID: ART-N28-W02-134	Batch ID: 33778		Analysis Date: 9/21/2021	SeqNo: 1420536							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	0.840		0.8268		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.887		0.8268		107	78.5	118				

Client Name: **AC**

 Work Order Number: **2109334**

 Logged by: **Gabrielle Coeuille**

 Date Received: **9/21/2021 2:42:00 PM**
Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2109358

September 23, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 9/22/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



Date: 09/23/2021

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109358

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109358-001	Art-N26-W02-130	09/22/2021 10:50 AM	09/22/2021 2:59 PM
2109358-002	Art-N28-W03-130	09/22/2021 11:00 AM	09/22/2021 2:59 PM
2109358-003	ART-TB-13		09/22/2021 2:59 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2109358-001

Collection Date: 9/22/2021 10:50:00 AM

Client Sample ID: Art-N26-W02-130

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33793

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0264		mg/Kg-dry	1	9/22/2021 8:49:19 PM
Surr: Dibromofluoromethane	93.7	75.5 - 119		%Rec	1	9/22/2021 8:49:19 PM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	9/22/2021 8:49:19 PM
Surr: 1-Bromo-4-fluorobenzene	92.8	78.5 - 118		%Rec	1	9/22/2021 8:49:19 PM

Sample Moisture (Percent Moisture)

Batch ID: R70075

Analyst: ALB

Percent Moisture	4.60	0.500		wt%	1	9/22/2021 2:05:13 PM
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Lab ID: 2109358-002

Collection Date: 9/22/2021 11:00:00 AM

Client Sample ID: Art-N28-W03-130

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33793

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0255		mg/Kg-dry	1	9/22/2021 9:20:14 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	9/22/2021 9:20:14 PM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	9/22/2021 9:20:14 PM
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118		%Rec	1	9/22/2021 9:20:14 PM

Sample Moisture (Percent Moisture)

Batch ID: R70075

Analyst: ALB

Percent Moisture	7.65	0.500		wt%	1	9/22/2021 2:05:13 PM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2109358-003

Collection Date:

Client Sample ID: ART-TB-13

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33793

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	9/22/2021 8:18:26 PM
Surr: Dibromofluoromethane	95.1	75.5 - 119		%Rec	1	9/22/2021 8:18:26 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	9/22/2021 8:18:26 PM
Surr: 1-Bromo-4-fluorobenzene	97.4	78.5 - 118		%Rec	1	9/22/2021 8:18:26 PM

Work Order: 2109358
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33793	SampType: LCS	Units: mg/Kg				Prep Date: 9/22/2021	RunNo: 70084				
Client ID: LCSS	Batch ID: 33793					Analysis Date: 9/22/2021	SeqNo: 1421240				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.00	0.0400	1.000	0	100	80	120				
Surr: Dibromofluoromethane	1.27		1.250		102	75.5	120				
Surr: Toluene-d8	1.23		1.250		98.7	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		99.9	78.5	120				

Sample ID: MB-33793	SampType: MBLK	Units: mg/Kg				Prep Date: 9/22/2021	RunNo: 70084				
Client ID: MBLKS	Batch ID: 33793					Analysis Date: 9/22/2021	SeqNo: 1421234				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.22		1.250		97.7	75.5	119				
Surr: Toluene-d8	1.26		1.250		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.4	78.5	118				

Sample ID: 2109358-002BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 9/22/2021	RunNo: 70084				
Client ID: Art-N28-W03-130	Batch ID: 33793					Analysis Date: 9/22/2021	SeqNo: 1421238				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.661	0.0255	0.6363	0	104	77.7	131				
Surr: Dibromofluoromethane	0.824		0.7954		104	75.5	119				
Surr: Toluene-d8	0.814		0.7954		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.771		0.7954		97.0	78.5	118				

Sample ID: LCSD-33793	SampType: LCSD	Units: mg/Kg				Prep Date: 9/22/2021	RunNo: 70084				
Client ID: LCSS02	Batch ID: 33793					Analysis Date: 9/22/2021	SeqNo: 1421239				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.983	0.0400	1.000	0	98.3	80	120	1.005	2.21	20	
Surr: Dibromofluoromethane	1.30		1.250		104	75.5	120		0		

Work Order: 2109358
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCSD-33793	SampType: LCSD	Units: mg/Kg	Prep Date: 9/22/2021	RunNo: 70084							
Client ID: LCSS02	Batch ID: 33793		Analysis Date: 9/22/2021	SeqNo: 1421239							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.25		1.250		100	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		100	78.5	120		0		

Client Name: AC	Work Order Number: 2109358
Logged by: Gabrielle Coeuille	Date Received: 9/22/2021 2:59:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	2.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2109407

September 27, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 9/24/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2109407

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109407-001	Art-N06-W12-136	09/24/2021 10:40 AM	09/24/2021 2:42 PM
2109407-002	Art-TB-14		09/24/2021 2:42 PM
2109407-003	Art-N01-W04-136	09/24/2021 1:00 PM	09/24/2021 2:42 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 9/24/2021 10:40:00 AM

Project: Schnitzer Artise

Lab ID: 2109407-001

Matrix: Soil

Client Sample ID: Art-N06-W12-136

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33823

Analyst: KT

Vinyl chloride	ND	0.0190		mg/Kg-dry	1	9/25/2021 1:12:34 AM
1,1-Dichloroethene	ND	0.0762		mg/Kg-dry	1	9/25/2021 1:12:34 AM
trans-1,2-Dichloroethene	ND	0.0229		mg/Kg-dry	1	9/25/2021 1:12:34 AM
cis-1,2-Dichloroethene	ND	0.0190		mg/Kg-dry	1	9/25/2021 1:12:34 AM
Trichloroethene (TCE)	ND	0.0152		mg/Kg-dry	1	9/25/2021 1:12:34 AM
Tetrachloroethene (PCE)	ND	0.0305		mg/Kg-dry	1	9/25/2021 1:12:34 AM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	9/25/2021 1:12:34 AM
Surr: Toluene-d8	106	82.4 - 115		%Rec	1	9/25/2021 1:12:34 AM
Surr: 1-Bromo-4-fluorobenzene	98.3	78.5 - 118		%Rec	1	9/25/2021 1:12:34 AM

Sample Moisture (Percent Moisture)

Batch ID: R70127

Analyst: cb

Percent Moisture	6.29	0.500		wt%	1	9/24/2021 3:03:09 PM
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Client: Aspect Consulting

Collection Date:

Project: Schnitzer Artise

Lab ID: 2109407-002

Matrix: Soil

Client Sample ID: Art-TB-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33823

Analyst: KT

Vinyl chloride	ND	0.0250		mg/Kg	1	9/25/2021 12:41:37 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	9/25/2021 12:41:37 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	9/25/2021 12:41:37 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	9/25/2021 12:41:37 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	9/25/2021 12:41:37 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	9/25/2021 12:41:37 AM
Surr: Dibromofluoromethane	99.4	75.5 - 119		%Rec	1	9/25/2021 12:41:37 AM
Surr: Toluene-d8	105	82.4 - 115		%Rec	1	9/25/2021 12:41:37 AM
Surr: 1-Bromo-4-fluorobenzene	99.4	78.5 - 118		%Rec	1	9/25/2021 12:41:37 AM



Client: Aspect Consulting

Collection Date: 9/24/2021 1:00:00 PM

Project: Schnitzer Artise

Lab ID: 2109407-003

Matrix: Soil

Client Sample ID: Art-N01-W04-136

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33823 Analyst: KT

Gasoline	ND	3.57		mg/Kg-dry	1	9/25/2021 1:43:36 AM
Surr: Toluene-d8	98.4	65 - 135		%Rec	1	9/25/2021 1:43:36 AM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	9/25/2021 1:43:36 AM

Sample Moisture (Percent Moisture)

Batch ID: R70127 Analyst: cb

Percent Moisture	11.2	0.500		wt%	1	9/24/2021 3:03:09 PM
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Work Order: 2109407
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33823	SampType: LCS	Units: mg/Kg			Prep Date: 9/24/2021	RunNo: 70138					
Client ID: LCSS	Batch ID: 33823				Analysis Date: 9/24/2021	SeqNo: 1422665					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	28.6	5.00	25.00	0	115	65	135				
Surr: Toluene-d8	1.23		1.250		98.4	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID: MB-33823	SampType: MBLK	Units: mg/Kg			Prep Date: 9/24/2021	RunNo: 70138					
Client ID: MBLKS	Batch ID: 33823				Analysis Date: 9/24/2021	SeqNo: 1422667					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.25		1.250		99.7	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID: 2109340-034BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 9/24/2021	RunNo: 70138					
Client ID: BATCH	Batch ID: 33823				Analysis Date: 9/24/2021	SeqNo: 1422670					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	9.53						0		30	
Surr: Toluene-d8	2.38		2.384		99.9	65	135		0		
Surr: 4-Bromofluorobenzene	2.41		2.384		101	65	135		0		

Sample ID: 2109396-002BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 9/24/2021	RunNo: 70138					
Client ID: BATCH	Batch ID: 33823				Analysis Date: 9/24/2021	SeqNo: 1422674					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	27.3	5.00	25.01	0	109	65	135				
Surr: Toluene-d8	1.23		1.251		98.3	65	135				
Surr: 4-Bromofluorobenzene	1.32		1.251		105	65	135				

Work Order: 2109407
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2109407-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/24/2021	RunNo: 70138							
Client ID: Art-N01-W04-136	Batch ID: 33823	Analysis Date: 9/25/2021	SeqNo: 1422682								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	3.57						0		30	
Surr: Toluene-d8	0.874		0.8917		98.0	65	135		0		
Surr: 4-Bromofluorobenzene	0.925		0.8917		104	65	135		0		

Work Order: 2109407
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33823	SampType: LCS	Units: µg/L				Prep Date: 9/24/2021	RunNo: 70134				
Client ID: LCSS	Batch ID: 33823					Analysis Date: 9/24/2021	SeqNo: 1422594				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.13	0.0250	1.000	0	113	80	120				
1,1-Dichloroethene	1.05	0.100	1.000	0	105	80	120				
trans-1,2-Dichloroethene	1.05	0.0300	1.000	0	105	80	120				
cis-1,2-Dichloroethene	1.04	0.0250	1.000	0	104	80	120				
Trichloroethene (TCE)	1.06	0.0200	1.000	0	106	80	120				
Tetrachloroethene (PCE)	0.998	0.0400	1.000	0	99.8	80	120				
Surr: Dibromofluoromethane	1.32		1.250		106	75.5	120				
Surr: Toluene-d8	1.29		1.250		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		100	78.5	120				

Sample ID: MB-33823	SampType: MBLK	Units: mg/Kg				Prep Date: 9/24/2021	RunNo: 70134				
Client ID: MBLKS	Batch ID: 33823					Analysis Date: 9/24/2021	SeqNo: 1422576				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.24		1.250		99.6	75.5	119				
Surr: Toluene-d8	1.32		1.250		105	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.2	78.5	118				

Sample ID: 2109340-034BDUP	SampType: DUP	Units: mg/Kg				Prep Date: 9/24/2021	RunNo: 70134				
Client ID: BATCH	Batch ID: 33823					Analysis Date: 9/24/2021	SeqNo: 1422580				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0477						0		30	

Work Order: 2109407
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109340-034BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 9/24/2021	RunNo: 70134					
Client ID: BATCH	Batch ID: 33823				Analysis Date: 9/24/2021	SeqNo: 1422580					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.191						0		30	
trans-1,2-Dichloroethene	ND	0.0572						0		30	
cis-1,2-Dichloroethene	ND	0.0477						0		30	
Trichloroethene (TCE)	0.0553	0.0381						0.05477	0.939	30	
Tetrachloroethene (PCE)	ND	0.0763						0		30	
Surr: Dibromofluoromethane	2.24		2.384		94.1	75.5	119		0		
Surr: Toluene-d8	2.49		2.384		104	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	2.32		2.384		97.2	78.5	118		0		

Sample ID: 2109340-038BMS	SampType: MS	Units: mg/Kg			Prep Date: 9/24/2021	RunNo: 70134					
Client ID: BATCH	Batch ID: 33823				Analysis Date: 9/24/2021	SeqNo: 1422587					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.13	0.0265	1.059	0	106	50.3	134				
1,1-Dichloroethene	1.16	0.106	1.059	0	110	62.2	138				
trans-1,2-Dichloroethene	1.14	0.0318	1.059	0	107	70.2	132				
cis-1,2-Dichloroethene	1.16	0.0265	1.059	0.01095	108	79.6	125				
Trichloroethene (TCE)	1.23	0.0212	1.059	0.06243	110	78.9	132				
Tetrachloroethene (PCE)	1.13	0.0423	1.059	0	106	77.7	131				
Surr: Dibromofluoromethane	1.41		1.323		107	75.5	119				
Surr: Toluene-d8	1.39		1.323		105	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.33		1.323		101	78.5	118				

Sample ID: 2109407-003BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/24/2021	RunNo: 70134					
Client ID: Art-N01-W04-136	Batch ID: 33823				Analysis Date: 9/25/2021	SeqNo: 1422592					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0178						0		30	
1,1-Dichloroethene	ND	0.0713						0		30	

Work Order: 2109407
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2109407-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/24/2021	RunNo: 70134							
Client ID: Art-N01-W04-136	Batch ID: 33823	Analysis Date: 9/25/2021	SeqNo: 1422592								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0214						0		30	
cis-1,2-Dichloroethene	ND	0.0178						0		30	
Trichloroethene (TCE)	ND	0.0143						0		30	
Tetrachloroethene (PCE)	ND	0.0285						0		30	
Surr: Dibromofluoromethane	0.907		0.8917		102	75.5	119		0		
Surr: Toluene-d8	0.952		0.8917		107	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.884		0.8917		99.1	78.5	118		0		

Client Name: **AC**

 Work Order Number: **2109407**

 Logged by: **Brianna Barnes**

 Date Received: **9/24/2021 2:42:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: _____ Page: 1 of 1

Project Name: *Shatz*

Project No: *10298*

Collected by: *DZB*

Location: _____

Report To (PM): *Ali Colman*

PM Email: *acolman@aspectconsulting.com*

Laboratory Project No (Internal): *21091407*

Special Remarks: _____

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: *Aspect Consulting*
Address: _____
City, State, Zip: _____
Telephone: *316.617.0419*
Fax: _____

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes										Comments		
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DO)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)		Anions (C)***	EDB (8011)
<i>1 Air-N06-W12-136</i>	<i>9/24/21</i>	<i>1040</i>	<i>511</i>	<i>3</i>													<i>EDB 8011 by 8260</i>
<i>2 Air-TB-14</i>	<i>-</i>	<i>-</i>	<i>A</i>	<i>2</i>													<i>X</i>
<i>3 Air-N01-W04-136</i>	<i>9/24/21</i>	<i>1300</i>	<i>511</i>	<i>3</i>													<i>X</i>
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time: Standard Next Day 3 Day Same Day (specify) _____

Relinquished (Signature) *[Signature]* Print Name *Rachel Black* Date/Time *9/24/21* *1310*

Relinquished (Signature) *[Signature]* Print Name *[Signature]* Date/Time *9/24/21* *1442*



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2110050

October 05, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 10/4/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110050

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110050-001	ART-N08-W24-136	10/02/2021 11:15 AM	10/04/2021 4:53 PM
2110050-002	Trip Blank		10/04/2021 4:53 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110050-001

Collection Date: 10/2/2021 11:15:00 AM

Client Sample ID: ART-N08-W24-136

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33939

Analyst: CR

Vinyl chloride	ND	0.0151		mg/Kg-dry	1	10/5/2021 10:45:09 AM
1,1-Dichloroethene	ND	0.0602		mg/Kg-dry	1	10/5/2021 10:45:09 AM
trans-1,2-Dichloroethene	ND	0.0181		mg/Kg-dry	1	10/5/2021 10:45:09 AM
cis-1,2-Dichloroethene	ND	0.0151		mg/Kg-dry	1	10/5/2021 10:45:09 AM
Trichloroethene (TCE)	ND	0.0120		mg/Kg-dry	1	10/5/2021 10:45:09 AM
Tetrachloroethene (PCE)	0.0515	0.0241		mg/Kg-dry	1	10/5/2021 10:45:09 AM
Surr: Dibromofluoromethane	97.7	75.5 - 119		%Rec	1	10/5/2021 10:45:09 AM
Surr: Toluene-d8	106	82.4 - 115		%Rec	1	10/5/2021 10:45:09 AM
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118		%Rec	1	10/5/2021 10:45:09 AM

Sample Moisture (Percent Moisture)

Batch ID: R70331

Analyst: ALB

Percent Moisture	9.95	0.500		wt%	1	10/5/2021 9:25:01 AM
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Lab ID: 2110050-002

Collection Date:

Client Sample ID: Trip Blank

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33939

Analyst: CR

Vinyl chloride	ND	0.0250		mg/Kg	1	10/5/2021 10:14:06 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	10/5/2021 10:14:06 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	10/5/2021 10:14:06 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	10/5/2021 10:14:06 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	10/5/2021 10:14:06 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	10/5/2021 10:14:06 AM
Surr: Dibromofluoromethane	98.7	75.5 - 119		%Rec	1	10/5/2021 10:14:06 AM
Surr: Toluene-d8	106	82.4 - 115		%Rec	1	10/5/2021 10:14:06 AM
Surr: 1-Bromo-4-fluorobenzene	98.1	78.5 - 118		%Rec	1	10/5/2021 10:14:06 AM

Work Order: 2110050
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33939	SampType: LCS	Units: mg/Kg				Prep Date: 10/5/2021	RunNo: 70343				
Client ID: LCSS	Batch ID: 33939					Analysis Date: 10/5/2021	SeqNo: 1427497				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.916	0.0250	1.000	0	91.6	80	120				
1,1-Dichloroethene	0.906	0.100	1.000	0	90.6	80	120				
trans-1,2-Dichloroethene	0.885	0.0300	1.000	0	88.5	80	120				
cis-1,2-Dichloroethene	0.933	0.0250	1.000	0	93.3	80	120				
Trichloroethene (TCE)	0.923	0.0200	1.000	0	92.3	80	120				
Tetrachloroethene (PCE)	0.921	0.0400	1.000	0	92.1	80	120				
Surr: Dibromofluoromethane	1.36		1.250		109	75.5	120				
Surr: Toluene-d8	1.32		1.250		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		104	78.5	120				

Sample ID: MB-33939	SampType: MBLK	Units: mg/Kg				Prep Date: 10/5/2021	RunNo: 70343				
Client ID: MBLKS	Batch ID: 33939					Analysis Date: 10/5/2021	SeqNo: 1427492				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.26		1.250		100	75.5	119				
Surr: Toluene-d8	1.32		1.250		105	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.8	78.5	118				

Sample ID: 2110050-001BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 10/5/2021	RunNo: 70343				
Client ID: ART-N08-W24-136	Batch ID: 33939					Analysis Date: 10/5/2021	SeqNo: 1427495				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.619	0.0151	0.6025	0	103	50.3	134				

Work Order: 2110050
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110050-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/5/2021	RunNo: 70343							
Client ID: ART-N08-W24-136	Batch ID: 33939		Analysis Date: 10/5/2021	SeqNo: 1427495							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.601	0.0602	0.6025	0	99.8	62.2	138				
trans-1,2-Dichloroethene	0.619	0.0181	0.6025	0	103	70.2	132				
cis-1,2-Dichloroethene	0.592	0.0151	0.6025	0	98.3	79.6	125				
Trichloroethene (TCE)	0.596	0.0120	0.6025	0	99.0	78.9	132				
Tetrachloroethene (PCE)	0.645	0.0241	0.6025	0.05148	98.6	77.7	131				
Surr: Dibromofluoromethane	0.818		0.7531		109	75.5	119				
Surr: Toluene-d8	0.797		0.7531		106	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.776		0.7531		103	78.5	118				

Sample ID: LCSD-33939	SampType: LCSD	Units: µg/L	Prep Date: 10/5/2021	RunNo: 70343							
Client ID: LCSS02	Batch ID: 33939		Analysis Date: 10/5/2021	SeqNo: 1427496							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.947	0.0250	1.000	0	94.7	80	120	0.9163	3.32	20	
1,1-Dichloroethene	0.928	0.100	1.000	0	92.8	80	120	0.9064	2.40	20	
trans-1,2-Dichloroethene	0.957	0.0300	1.000	0	95.7	80	120	0.8847	7.82	20	
cis-1,2-Dichloroethene	0.943	0.0250	1.000	0	94.3	80	120	0.9327	1.15	20	
Trichloroethene (TCE)	0.932	0.0200	1.000	0	93.2	80	120	0.9231	0.916	20	
Tetrachloroethene (PCE)	0.911	0.0400	1.000	0	91.1	80	120	0.9213	1.11	20	
Surr: Dibromofluoromethane	1.37		1.250		110	75.5	120		0		
Surr: Toluene-d8	1.31		1.250		105	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	78.5	120		0		

Client Name: AC	Work Order Number: 2110050
Logged by: Gabrielle Coeuille	Date Received: 10/4/2021 4:53:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/02/21 Page: 1 of 1

Project Name: THE ARTISE

Project No: 190298

Collected by: MMR

Location:

Report To (PM): Air Occuranc

PM Email: amcyrane@aspectconsulting.com

Laboratory Project No (Internal): 2110056

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: ASPECT CONSULTING
Address: 710 2nd Ave Suite 550
City, State, Zip: Seattle, WA 98104
Telephone: 206.949.7478
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	<input checked="" type="checkbox"/> VOCs (EPA 8260 / 624) <input type="checkbox"/> BTEX <input type="checkbox"/> Gasoline Range Organics (GX) <input type="checkbox"/> Hydrocarbon Identification (HCID) <input type="checkbox"/> Diesel/heavy Oil Range Organics (DX) <input type="checkbox"/> SVOCs (EPA 8270 / 625) <input type="checkbox"/> PAHs (EPA 8270 - SIM) <input type="checkbox"/> PCBs (EPA 8082 / 608) <input type="checkbox"/> Metals** (EPA 6020 / 200.8) <input type="checkbox"/> Total (T) Dissolved (D) <input type="checkbox"/> Anions (IC)*** <input type="checkbox"/> EDB (8011)	Comments
1 ARF-N08-W24-130	10/2/21	1115	8011	3	<input checked="" type="checkbox"/>	
2 ARF-TB-14	10/2/21	1115	↓	1	<input checked="" type="checkbox"/>	
3						
4						
5						
6						
7						
8						
9						
10						

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard
 Next Day
 3 Day
 Same Day
 2 Day (specify)

Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2110071

October 06, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 10/5/2021 for the analyses presented in the following report.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110071

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110071-001	Art-N05-W04-128	10/05/2021 11:10 AM	10/05/2021 5:14 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 10/5/2021 11:10:00 AM

Project: Schnitzer Artise

Lab ID: 2110071-001

Matrix: Soil

Client Sample ID: Art-N05-W04-128

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33960	Analyst: CR
Gasoline	ND	3.29		mg/Kg-dry	1	10/6/2021 11:02:34 AM
Surr: Toluene-d8	98.6	65 - 135		%Rec	1	10/6/2021 11:02:34 AM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	10/6/2021 11:02:34 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R70363	Analyst: OK
Percent Moisture	10.9	0.500		wt%	1	10/6/2021 8:40:54 AM

Work Order: 2110071
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33960	SampType: LCS	Units: mg/Kg			Prep Date: 10/6/2021	RunNo: 70375					
Client ID: LCSS	Batch ID: 33960				Analysis Date: 10/6/2021	SeqNo: 1428165					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	24.5	5.00	25.00	0	98.2	65	135				
Surr: Toluene-d8	1.25		1.250		99.6	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.250		105	65	135				

Sample ID: MB-33960	SampType: MBLK	Units: mg/Kg			Prep Date: 10/6/2021	RunNo: 70375					
Client ID: MBLKS	Batch ID: 33960				Analysis Date: 10/6/2021	SeqNo: 1428166					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.24		1.250		99.1	65	135				

Sample ID: 2110071-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/6/2021	RunNo: 70375					
Client ID: Art-N05-W04-128	Batch ID: 33960				Analysis Date: 10/6/2021	SeqNo: 1428170					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.29						0		30	
Surr: Toluene-d8	0.813		0.8234		98.7	65	135		0		
Surr: 4-Bromofluorobenzene	0.859		0.8234		104	65	135		0		

Sample ID: 2110067-023BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 10/6/2021	RunNo: 70375					
Client ID: BATCH	Batch ID: 33960				Analysis Date: 10/6/2021	SeqNo: 1428173					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.28						0		30	
Surr: Toluene-d8	1.30		1.319		98.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.36		1.319		103	65	135		0		

Work Order: 2110071
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2110067-022BMS	SampType: MS	Units: mg/Kg	Prep Date: 10/6/2021	RunNo: 70375							
Client ID: BATCH	Batch ID: 33960	Analysis Date: 10/6/2021	SeqNo: 1428174								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	94.3	5.45	27.25	0	346	65	135				S
Surr: Toluene-d8	1.36		1.362		99.7	65	135				
Surr: 4-Bromofluorobenzene	1.40		1.362		103	65	135				

Client Name: AC	Work Order Number: 2110071
Logged by: Clare Griggs	Date Received: 10/5/2021 5:14:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	8.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/15/21 Page: 1 of 1
Project Name: The Artise

Laboratory Project No (Internal): 210071
Special Remarks:

Client: Aspect Consulting
Address: 710 2nd Ave Suite 550
City, State, Zip: Seattle, WA 98104
Telephone: 206.949.7478

Project No: 190298
Collected by: MMR
Location: All Courane
Report To (PM):
PM Email: aachrane@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HX)	Diesel/Heavy Oil Range Organics (HCID)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 ART-ND5-W04-128	10/16/21	1110	SOIL	3		X											
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MICA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) Print Name Date/Time
 Relinquished (Signature) Print Name Date/Time
 Relinquished (Signature) Print Name Date/Time

Turn-around Time:
 Standard
 Next Day
 3 Day
 Same Day
 7 Day (specify)



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2110106

October 07, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 10/7/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brianna Barnes".

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110106

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110106-001	Art-N30-W02-124	10/06/2021 11:10 AM	10/07/2021 8:07 AM
2110106-002	Art-N27-W03-124	10/06/2021 11:20 AM	10/07/2021 8:07 AM
2110106-003	Art-N24-W01-124	10/06/2021 11:30 AM	10/07/2021 8:07 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2110106-001

Collection Date: 10/6/2021 11:10:00 AM

Client Sample ID: Art-N30-W02-124

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33975

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0374		mg/Kg-dry	1	10/7/2021 10:07:54 AM
Surr: Dibromofluoromethane	105	75.5 - 119		%Rec	1	10/7/2021 10:07:54 AM
Surr: Toluene-d8	107	82.4 - 115		%Rec	1	10/7/2021 10:07:54 AM
Surr: 1-Bromo-4-fluorobenzene	99.2	78.5 - 118		%Rec	1	10/7/2021 10:07:54 AM

Sample Moisture (Percent Moisture)

Batch ID: R70394

Analyst: OK

Percent Moisture	4.27	0.500		wt%	1	10/7/2021 10:04:27 AM
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Lab ID: 2110106-002

Collection Date: 10/6/2021 11:20:00 AM

Client Sample ID: Art-N27-W03-124

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33975

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0275		mg/Kg-dry	1	10/7/2021 11:09:58 AM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/7/2021 11:09:58 AM
Surr: Toluene-d8	107	82.4 - 115		%Rec	1	10/7/2021 11:09:58 AM
Surr: 1-Bromo-4-fluorobenzene	102	78.5 - 118		%Rec	1	10/7/2021 11:09:58 AM

Sample Moisture (Percent Moisture)

Batch ID: R70394

Analyst: OK

Percent Moisture	9.65	0.500		wt%	1	10/7/2021 10:04:27 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2110106-003

Collection Date: 10/6/2021 11:30:00 AM

Client Sample ID: Art-N24-W01-124

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33975

Analyst: CR

Tetrachloroethene (PCE)	0.0401	0.0388		mg/Kg-dry	1	10/7/2021 11:41:00 AM
Surr: Dibromofluoromethane	99.0	75.5 - 119		%Rec	1	10/7/2021 11:41:00 AM
Surr: Toluene-d8	107	82.4 - 115		%Rec	1	10/7/2021 11:41:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.2	78.5 - 118		%Rec	1	10/7/2021 11:41:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R70394

Analyst: OK

Percent Moisture	9.45	0.500		wt%	1	10/7/2021 10:04:27 AM
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Work Order: 2110106
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33975	SampType: LCS	Units: µg/L				Prep Date: 10/7/2021	RunNo: 70403				
Client ID: LCSS	Batch ID: 33975					Analysis Date: 10/7/2021	SeqNo: 1428623				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.909	0.0400	1.000	0	90.9	80	120				
Surr: Dibromofluoromethane	1.37		1.250		110	75.5	120				
Surr: Toluene-d8	1.32		1.250		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.250		104	78.5	120				

Sample ID: MB-33975	SampType: MBLK	Units: mg/Kg				Prep Date: 10/7/2021	RunNo: 70403				
Client ID: MBLKS	Batch ID: 33975					Analysis Date: 10/7/2021	SeqNo: 1428615				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.26		1.250		101	75.5	119				
Surr: Toluene-d8	1.34		1.250		107	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.7	78.5	118				

Sample ID: 2110106-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 10/7/2021	RunNo: 70403				
Client ID: Art-N30-W02-124	Batch ID: 33975					Analysis Date: 10/7/2021	SeqNo: 1428617				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0374						0		30	
Surr: Dibromofluoromethane	1.16		1.168		99.2	75.5	119		0		
Surr: Toluene-d8	1.25		1.168		107	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.14		1.168		98.0	78.5	118		0		

Sample ID: 2110106-002BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 10/7/2021	RunNo: 70403				
Client ID: Art-N27-W03-124	Batch ID: 33975					Analysis Date: 10/7/2021	SeqNo: 1428621				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.716	0.0275	0.6881	0	104	77.7	131				
Surr: Dibromofluoromethane	0.931		0.8601		108	75.5	119				

Work Order: 2110106
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110106-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/7/2021	RunNo: 70403							
Client ID: Art-N27-W03-124	Batch ID: 33975		Analysis Date: 10/7/2021	SeqNo: 1428621							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	0.918		0.8601		107	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.897		0.8601		104	78.5	118				

Client Name: **AC**

 Work Order Number: **2110106**

 Logged by: **Clare Griggs**

 Date Received: **10/7/2021 8:07:00 AM**
Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	3.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Client: *Aspect Consulting*

City, State, Zip: _____

Telephone: *316.617.0499*

Fax: _____

Date: *10/6/21*

Project Name: *Schultz*

Project No.: *140248*

Collected by: *DRB*

Location: _____

Report To (PM): *Ali Cochrane*

PM Email: *acochrane@aspectconsulting.com*

Laboratory Project No (Internal): *2110106*

Special Remarks: _____

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytical Parameters												Comments				
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 8020 / 200.8)	Total (T) Dissolved (D)	Anions (Cl)***	EDB (8011)					
1 <i>Att-N30-W02-124</i>	<i>10/6/21</i>	<i>1110</i>	<i>Soil</i>	<i>3</i>														<i>X</i>			
2 <i>Att-N23-W03-124</i>				<i>3</i>																	
3 <i>Att-N24-W01-124</i>		<i>1130</i>		<i>3</i>															<i>X</i>		
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Tl V Zn

Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature): _____ **Print Name:** _____ **Date/Time:** _____

Relinquished (Signature): _____ **Print Name:** _____ **Date/Time:** _____



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2110127

October 08, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 10/7/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110127

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110127-001	Art-N02-N02-136	10/07/2021 12:10 PM	10/07/2021 5:50 PM
2110127-002	Art-N01-W24-136	10/07/2021 12:15 PM	10/07/2021 5:50 PM
2110127-003	Art-W22-W22-136	10/07/2021 12:20 PM	10/07/2021 5:50 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110127-001

Collection Date: 10/7/2021 12:10:00 PM

Client Sample ID: Art-N02-N02-136

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33993

Analyst: CR

Vinyl chloride	ND	0.0278		mg/Kg-dry	1	10/8/2021 11:17:47 AM
1,1-Dichloroethene	ND	0.111		mg/Kg-dry	1	10/8/2021 11:17:47 AM
trans-1,2-Dichloroethene	ND	0.0334		mg/Kg-dry	1	10/8/2021 11:17:47 AM
cis-1,2-Dichloroethene	ND	0.0278		mg/Kg-dry	1	10/8/2021 11:17:47 AM
Trichloroethene (TCE)	ND	0.0223		mg/Kg-dry	1	10/8/2021 11:17:47 AM
Tetrachloroethene (PCE)	ND	0.0445		mg/Kg-dry	1	10/8/2021 11:17:47 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/8/2021 11:17:47 AM
Surr: Toluene-d8	110	82.4 - 115		%Rec	1	10/8/2021 11:17:47 AM
Surr: 1-Bromo-4-fluorobenzene	99.8	78.5 - 118		%Rec	1	10/8/2021 11:17:47 AM

Sample Moisture (Percent Moisture)

Batch ID: R70420

Analyst: OK

Percent Moisture	9.53	0.500		wt%	1	10/8/2021 8:52:16 AM
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Lab ID: 2110127-002

Collection Date: 10/7/2021 12:15:00 PM

Client Sample ID: Art-N01-W24-136

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33993

Analyst: CR

Vinyl chloride	ND	0.0248		mg/Kg-dry	1	10/8/2021 12:19:50 PM
1,1-Dichloroethene	ND	0.0990		mg/Kg-dry	1	10/8/2021 12:19:50 PM
trans-1,2-Dichloroethene	ND	0.0297		mg/Kg-dry	1	10/8/2021 12:19:50 PM
cis-1,2-Dichloroethene	ND	0.0248		mg/Kg-dry	1	10/8/2021 12:19:50 PM
Trichloroethene (TCE)	ND	0.0198		mg/Kg-dry	1	10/8/2021 12:19:50 PM
Tetrachloroethene (PCE)	ND	0.0396		mg/Kg-dry	1	10/8/2021 12:19:50 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	10/8/2021 12:19:50 PM
Surr: Toluene-d8	109	82.4 - 115		%Rec	1	10/8/2021 12:19:50 PM
Surr: 1-Bromo-4-fluorobenzene	97.4	78.5 - 118		%Rec	1	10/8/2021 12:19:50 PM

Sample Moisture (Percent Moisture)

Batch ID: R70420

Analyst: OK

Percent Moisture	9.01	0.500		wt%	1	10/8/2021 8:52:16 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110127-003

Collection Date: 10/7/2021 12:20:00 PM

Client Sample ID: Art-W22-W22-136

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 33993		Analyst: CR
Vinyl chloride	ND	0.0224		mg/Kg-dry	1	10/8/2021 12:50:53 PM
1,1-Dichloroethene	ND	0.0895		mg/Kg-dry	1	10/8/2021 12:50:53 PM
trans-1,2-Dichloroethene	ND	0.0268		mg/Kg-dry	1	10/8/2021 12:50:53 PM
cis-1,2-Dichloroethene	ND	0.0224		mg/Kg-dry	1	10/8/2021 12:50:53 PM
Trichloroethene (TCE)	ND	0.0179		mg/Kg-dry	1	10/8/2021 12:50:53 PM
Tetrachloroethene (PCE)	ND	0.0358		mg/Kg-dry	1	10/8/2021 12:50:53 PM
Surr: Dibromofluoromethane	99.9	75.5 - 119		%Rec	1	10/8/2021 12:50:53 PM
Surr: Toluene-d8	109	82.4 - 115		%Rec	1	10/8/2021 12:50:53 PM
Surr: 1-Bromo-4-fluorobenzene	98.6	78.5 - 118		%Rec	1	10/8/2021 12:50:53 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70420		Analyst: OK
Percent Moisture	9.08	0.500		wt%	1	10/8/2021 8:52:16 AM

Work Order: 2110127
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33993	SampType: LCS	Units: mg/Kg				Prep Date: 10/8/2021	RunNo: 70444				
Client ID: LCSS	Batch ID: 33993					Analysis Date: 10/8/2021	SeqNo: 1429322				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.908	0.0250	1.000	0	90.8	80	120				
1,1-Dichloroethene	0.932	0.100	1.000	0	93.2	80	120				
trans-1,2-Dichloroethene	0.956	0.0300	1.000	0	95.6	80	120				
cis-1,2-Dichloroethene	1.01	0.0250	1.000	0	101	80	120				
Trichloroethene (TCE)	0.961	0.0200	1.000	0	96.1	80	120				
Tetrachloroethene (PCE)	0.942	0.0400	1.000	0	94.2	80	120				
Surr: Dibromofluoromethane	1.41		1.250		113	75.5	120				
Surr: Toluene-d8	1.32		1.250		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.31		1.250		105	78.5	120				

Sample ID: MB-33993	SampType: MBLK	Units: mg/Kg				Prep Date: 10/8/2021	RunNo: 70444				
Client ID: MBLKS	Batch ID: 33993					Analysis Date: 10/8/2021	SeqNo: 1429314				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.31		1.250		104	75.5	119				
Surr: Toluene-d8	1.32		1.250		105	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.9	78.5	118				

Sample ID: 2110127-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 10/8/2021	RunNo: 70444				
Client ID: Art-N02-N02-136	Batch ID: 33993					Analysis Date: 10/8/2021	SeqNo: 1429316				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0278						0		30	

Work Order: 2110127
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110127-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/8/2021	RunNo: 70444							
Client ID: Art-N02-N02-136	Batch ID: 33993		Analysis Date: 10/8/2021	SeqNo: 1429316							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.111						0		30	
trans-1,2-Dichloroethene	ND	0.0334						0		30	
cis-1,2-Dichloroethene	ND	0.0278						0		30	
Trichloroethene (TCE)	ND	0.0223						0		30	
Tetrachloroethene (PCE)	ND	0.0445						0		30	
Surr: Dibromofluoromethane	1.45		1.391		104	75.5	119		0		
Surr: Toluene-d8	1.52		1.391		109	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.40		1.391		101	78.5	118		0		

Sample ID: 2110128-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/8/2021	RunNo: 70444							
Client ID: BATCH	Batch ID: 33993		Analysis Date: 10/8/2021	SeqNo: 1429320							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0293						0		30	
1,1-Dichloroethene	ND	0.117						0		30	
trans-1,2-Dichloroethene	ND	0.0351						0		30	
cis-1,2-Dichloroethene	ND	0.0293						0		30	
Trichloroethene (TCE)	ND	0.0234						0		30	
Tetrachloroethene (PCE)	ND	0.0468						0		30	
Surr: Dibromofluoromethane	1.48		1.463		101	75.5	119		0		
Surr: Toluene-d8	1.59		1.463		109	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.45		1.463		98.9	78.5	118		0		

Sample ID: 2110127-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/8/2021	RunNo: 70444							
Client ID: Art-N01-W24-136	Batch ID: 33993		Analysis Date: 10/8/2021	SeqNo: 1429321							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.01	0.0248	0.9903	0	102	50.3	134				
1,1-Dichloroethene	1.02	0.0990	0.9903	0	103	62.2	138				

Work Order: 2110127
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110127-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/8/2021	RunNo: 70444
Client ID: Art-N01-W24-136	Batch ID: 33993		Analysis Date: 10/8/2021	SeqNo: 1429321

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	1.05	0.0297	0.9903	0	106	70.2	132				
cis-1,2-Dichloroethene	1.07	0.0248	0.9903	0	108	79.6	125				
Trichloroethene (TCE)	1.09	0.0198	0.9903	0	110	78.9	132				
Tetrachloroethene (PCE)	1.06	0.0396	0.9903	0.006800	106	77.7	131				
Surr: Dibromofluoromethane	1.38		1.238		111	75.5	119				
Surr: Toluene-d8	1.35		1.238		109	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.238		103	78.5	118				

Client Name: AC	Work Order Number: 2110127
Logged by: Clare Griggs	Date Received: 10/7/2021 5:50:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	3.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/7/21 Page: 1 of 1

Project Name: Daniel Bobark

Project No: 190298

Collected by: DRS

Location:

Report To (PM): Al Cochran

PM Email: Ac Cochran@aspectconsulting.com

Laboratory Project No (Internal): 2110127
Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOs (EPA 8270 - SIM)	PAHs (EPA 8270 - 625)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	VOCs by 8260	Comments
1 Art-NDZ-NDZ-136	10/7/21	1210	So.1	3														
2 Art-ND1-W24-136	10/7/21	1215	So.1	3														
3 Art-ND5-W22-136	10/7/21	1220	So.1	3														
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) *[Signature]* Print Name *David Bobark* Date/Time *10/7/21* Received (Signature) *[Signature]* Print Name *Vicki Brown* Date/Time *10/7/2021 17:50*

Relinquished (Signature) *[Signature]* Print Name *[Signature]* Date/Time *10/7/21* Received (Signature) *[Signature]* Print Name *[Signature]* Date/Time *10/7/21*



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2110202

October 15, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 10/14/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110202

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110202-001	Art-N05-N06-130	10/14/2021 8:20 AM	10/14/2021 1:13 PM
2110202-002	Art-N11-N12-130	10/14/2021 8:30 AM	10/14/2021 1:13 PM
2110202-003	Art-N90-W90-130	10/14/2021 8:40 AM	10/14/2021 1:13 PM
2110202-004	Art-N23-W01-124	10/14/2021 9:35 AM	10/14/2021 1:13 PM
2110202-005	Art-TB-16		10/14/2021 1:13 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 10/14/2021 8:20:00 AM

Project: Schnitzer Artise

Lab ID: 2110202-001

Matrix: Soil

Client Sample ID: Art-N05-N06-130

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34054

Analyst: SG

Vinyl chloride	ND	0.0210		mg/Kg-dry	1	10/14/2021 11:36:00 PM
1,1-Dichloroethene	ND	0.0841		mg/Kg-dry	1	10/14/2021 11:36:00 PM
trans-1,2-Dichloroethene	ND	0.0252		mg/Kg-dry	1	10/14/2021 11:36:00 PM
cis-1,2-Dichloroethene	ND	0.0210		mg/Kg-dry	1	10/14/2021 11:36:00 PM
Trichloroethene (TCE)	ND	0.0168		mg/Kg-dry	1	10/14/2021 11:36:00 PM
Tetrachloroethene (PCE)	ND	0.0336		mg/Kg-dry	1	10/14/2021 11:36:00 PM
Surr: Dibromofluoromethane	98.2	75.5 - 119		%Rec	1	10/14/2021 11:36:00 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/14/2021 11:36:00 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	78.5 - 118		%Rec	1	10/14/2021 11:36:00 PM

Sample Moisture (Percent Moisture)

Batch ID: R70577

Analyst: KJ

Percent Moisture	15.2	0.500		wt%	1	10/15/2021 10:08:05 AM
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Client: Aspect Consulting

Collection Date: 10/14/2021 8:30:00 AM

Project: Schnitzer Artise

Lab ID: 2110202-002

Matrix: Soil

Client Sample ID: Art-N11-N12-130

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34054

Analyst: SG

Vinyl chloride	ND	0.0197		mg/Kg-dry	1	10/15/2021 5:05:00 AM
1,1-Dichloroethene	ND	0.0789		mg/Kg-dry	1	10/15/2021 5:05:00 AM
trans-1,2-Dichloroethene	ND	0.0237		mg/Kg-dry	1	10/15/2021 5:05:00 AM
cis-1,2-Dichloroethene	ND	0.0197		mg/Kg-dry	1	10/15/2021 5:05:00 AM
Trichloroethene (TCE)	ND	0.0158		mg/Kg-dry	1	10/15/2021 5:05:00 AM
Tetrachloroethene (PCE)	0.0474	0.0316		mg/Kg-dry	1	10/15/2021 5:05:00 AM
Surr: Dibromofluoromethane	100	75.5 - 119		%Rec	1	10/15/2021 5:05:00 AM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	10/15/2021 5:05:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.3	78.5 - 118		%Rec	1	10/15/2021 5:05:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R70577

Analyst: KJ

Percent Moisture	7.89	0.500		wt%	1	10/15/2021 10:08:05 AM
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Client: Aspect Consulting

Collection Date: 10/14/2021 8:40:00 AM

Project: Schnitzer Artise

Lab ID: 2110202-003

Matrix: Soil

Client Sample ID: Art-N90-W90-130

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34054

Analyst: SG

Vinyl chloride	ND	0.0200		mg/Kg-dry	1	10/15/2021 5:35:00 AM
1,1-Dichloroethene	ND	0.0799		mg/Kg-dry	1	10/15/2021 5:35:00 AM
trans-1,2-Dichloroethene	ND	0.0240		mg/Kg-dry	1	10/15/2021 5:35:00 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	10/15/2021 5:35:00 AM
Trichloroethene (TCE)	ND	0.0160		mg/Kg-dry	1	10/15/2021 5:35:00 AM
Tetrachloroethene (PCE)	0.0471	0.0320		mg/Kg-dry	1	10/15/2021 5:35:00 AM
Surr: Dibromofluoromethane	99.8	75.5 - 119		%Rec	1	10/15/2021 5:35:00 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/15/2021 5:35:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.7	78.5 - 118		%Rec	1	10/15/2021 5:35:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R70577

Analyst: KJ

Percent Moisture	9.23	0.500		wt%	1	10/15/2021 10:08:05 AM
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Client: Aspect Consulting

Collection Date: 10/14/2021 9:35:00 AM

Project: Schnitzer Artise

Lab ID: 2110202-004

Matrix: Soil

Client Sample ID: Art-N23-W01-124

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34054

Analyst: SG

Tetrachloroethene (PCE)	ND	0.0302		mg/Kg-dry	1	10/15/2021 6:05:00 AM
Surr: Dibromofluoromethane	99.6	75.5 - 119		%Rec	1	10/15/2021 6:05:00 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/15/2021 6:05:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.8	78.5 - 118		%Rec	1	10/15/2021 6:05:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R70577

Analyst: KJ

Percent Moisture	9.85	0.500		wt%	1	10/15/2021 10:08:05 AM
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Client: Aspect Consulting

Collection Date:

Project: Schnitzer Artise

Lab ID: 2110202-005

Matrix: Soil

Client Sample ID: Art-TB-16

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34054

Analyst: SG

Vinyl chloride	ND	0.0250		mg/Kg	1	10/15/2021 6:36:00 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	10/15/2021 6:36:00 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	10/15/2021 6:36:00 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	10/15/2021 6:36:00 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	10/15/2021 6:36:00 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	10/15/2021 6:36:00 AM
Surr: Dibromofluoromethane	99.0	75.5 - 119		%Rec	1	10/15/2021 6:36:00 AM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	10/15/2021 6:36:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.1	78.5 - 118		%Rec	1	10/15/2021 6:36:00 AM

Work Order: 2110202
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34054	SampType: LCS	Units: mg/Kg				Prep Date: 10/14/2021	RunNo: 70584				
Client ID: LCSS	Batch ID: 34054					Analysis Date: 10/14/2021	SeqNo: 1434287				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.904	0.0250	1.000	0	90.4	80	120				
1,1-Dichloroethene	0.857	0.100	1.000	0	85.7	80	120				
trans-1,2-Dichloroethene	0.893	0.0300	1.000	0	89.3	80	120				
cis-1,2-Dichloroethene	0.911	0.0250	1.000	0	91.1	80	120				
Trichloroethene (TCE)	0.871	0.0200	1.000	0	87.1	80	120				
Tetrachloroethene (PCE)	0.877	0.0400	1.000	0	87.7	80	120				
Surr: Dibromofluoromethane	1.20		1.250		96.4	75.5	120				
Surr: Toluene-d8	1.19		1.250		95.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		100	78.5	120				

Sample ID: MB-34054	SampType: MBLK	Units: mg/Kg				Prep Date: 10/14/2021	RunNo: 70584				
Client ID: MBLKS	Batch ID: 34054					Analysis Date: 10/14/2021	SeqNo: 1434223				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.18		1.250		94.1	75.5	119				
Surr: Toluene-d8	1.19		1.250		95.3	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.6	78.5	118				

Sample ID: 2110173-001BDUP	SampType: DUP	Units: mg/Kg				Prep Date: 10/14/2021	RunNo: 70584				
Client ID: BATCH	Batch ID: 34054					Analysis Date: 10/14/2021	SeqNo: 1434224				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0279						0		30	

Work Order: 2110202
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110173-001BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 10/14/2021	RunNo: 70584							
Client ID: BATCH	Batch ID: 34054	Analysis Date: 10/14/2021	SeqNo: 1434224								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.112						0		30	
trans-1,2-Dichloroethene	ND	0.0335						0		30	
cis-1,2-Dichloroethene	ND	0.0279						0		30	
Trichloroethene (TCE)	ND	0.0224						0		30	
Tetrachloroethene (PCE)	ND	0.0447						0		30	
Surr: Dibromofluoromethane	1.34		1.397		96.1	75.5	119		0		
Surr: Toluene-d8	1.36		1.397		97.3	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.37		1.397		97.8	78.5	118		0		

Sample ID: 2110171-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/14/2021	RunNo: 70584							
Client ID: BATCH	Batch ID: 34054	Analysis Date: 10/14/2021	SeqNo: 1434225								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.471	0.0107	0.4279	0	110	50.3	134				
1,1-Dichloroethene	0.459	0.0428	0.4279	0	107	62.2	138				
trans-1,2-Dichloroethene	0.460	0.0128	0.4279	0	108	70.2	132				
cis-1,2-Dichloroethene	0.439	0.0107	0.4279	0	103	79.6	125				
Trichloroethene (TCE)	0.449	0.00856	0.4279	0	105	78.9	132				
Tetrachloroethene (PCE)	0.456	0.0171	0.4279	0	107	77.7	131				
Surr: Dibromofluoromethane	0.551		0.5348		103	75.5	119				
Surr: Toluene-d8	0.537		0.5348		100	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.533		0.5348		99.6	78.5	118				

Client Name: AC	Work Order Number: 2110202
Logged by: Gabrielle Coeuille	Date Received: 10/14/2021 1:13:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	1.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/14/21 Page: 1 of 1 Laboratory Project No (internal): 2110202

Client: Aspect Consulting

Project Name: Schwartz

Address:

Collected by: Carter Blake

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Al Cohen

Fax:

PM Email: c.cohen@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes														Comments								
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	PFOS	PFOA									
1 Art-NDS-N06-130	10/14/21	0820	S:1	3																							
2 Art-N11-N12-130		0830		1																							
3 Art-N90-W90-130		0840		1																							
4 Art-N23-W01-124		0935		1																							
5 Art-TB-16		-	A	1																							
6																											
7																											
8																											
9																											
10																											

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Metals (Circle): MTCA-5 RCA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Tl V Zn

Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) Date/Time 10/14/21 1:40 Received (Signature) Date/Time 10/14/21 13:13

Relinquished (Signature) Date/Time 10/14/21 10:14 Received (Signature) Date/Time 10/14/21 17:19

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2110227

October 18, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 10/15/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110227

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110227-001	Art-N19-W17-123	10/15/2021 8:00 AM	10/15/2021 1:16 PM
2110227-002	Art-N17-W16-123	10/15/2021 8:05 AM	10/15/2021 1:16 PM
2110227-003	Art-N14-W15-123	10/15/2021 8:10 AM	10/15/2021 1:16 PM
2110227-004	Art-N21-W16-123	10/15/2021 8:15 AM	10/15/2021 1:16 PM
2110227-005	Art-TB-17		10/15/2021 1:16 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110227-001

Collection Date: 10/15/2021 8:00:00 AM

Client Sample ID: Art-N19-W17-123

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069 Analyst: CR

Tetrachloroethene (PCE)	ND	0.0477		mg/Kg-dry	1	10/16/2021 6:47:10 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/16/2021 6:47:10 AM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	10/16/2021 6:47:10 AM
Surr: 1-Bromo-4-fluorobenzene	97.5	78.5 - 118		%Rec	1	10/16/2021 6:47:10 AM

Sample Moisture (Percent Moisture)

Batch ID: R70597 Analyst: ALB

Percent Moisture	10.4	0.500		wt%	1	10/18/2021 9:17:52 AM
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Lab ID: 2110227-002

Collection Date: 10/15/2021 8:05:00 AM

Client Sample ID: Art-N17-W16-123

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069 Analyst: CR

Tetrachloroethene (PCE)	ND	0.0316		mg/Kg-dry	1	10/16/2021 7:17:17 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/16/2021 7:17:17 AM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	10/16/2021 7:17:17 AM
Surr: 1-Bromo-4-fluorobenzene	95.5	78.5 - 118		%Rec	1	10/16/2021 7:17:17 AM

Sample Moisture (Percent Moisture)

Batch ID: R70597 Analyst: ALB

Percent Moisture	9.14	0.500		wt%	1	10/18/2021 9:17:52 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110227-003

Collection Date: 10/15/2021 8:10:00 AM

Client Sample ID: Art-N14-W15-123

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069 Analyst: CR

Tetrachloroethene (PCE)	ND	0.0266		mg/Kg-dry	1	10/16/2021 7:47:25 AM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/16/2021 7:47:25 AM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	10/16/2021 7:47:25 AM
Surr: 1-Bromo-4-fluorobenzene	95.3	78.5 - 118		%Rec	1	10/16/2021 7:47:25 AM

Sample Moisture (Percent Moisture)

Batch ID: R70597 Analyst: ALB

Percent Moisture	9.28	0.500		wt%	1	10/18/2021 9:17:52 AM
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Lab ID: 2110227-004

Collection Date: 10/15/2021 8:15:00 AM

Client Sample ID: Art-N21-W16-123

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069 Analyst: CR

Tetrachloroethene (PCE)	ND	0.0265		mg/Kg-dry	1	10/16/2021 8:17:33 AM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/16/2021 8:17:33 AM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	10/16/2021 8:17:33 AM
Surr: 1-Bromo-4-fluorobenzene	96.7	78.5 - 118		%Rec	1	10/16/2021 8:17:33 AM

Sample Moisture (Percent Moisture)

Batch ID: R70597 Analyst: ALB

Percent Moisture	9.39	0.500		wt%	1	10/18/2021 9:17:52 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110227-005

Collection Date:

Client Sample ID: Art-TB-17

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	10/16/2021 8:47:41 AM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/16/2021 8:47:41 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	10/16/2021 8:47:41 AM
Surr: 1-Bromo-4-fluorobenzene	95.2	78.5 - 118		%Rec	1	10/16/2021 8:47:41 AM

Work Order: 2110227
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34069	SampType: LCS	Units: mg/Kg				Prep Date: 10/15/2021	RunNo: 70605				
Client ID: LCSS	Batch ID: 34069					Analysis Date: 10/15/2021	SeqNo: 1435207				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.04	0.0400	1.000	0	104	80	120				
Surr: Dibromofluoromethane	1.29		1.250		103	75.5	120				
Surr: Toluene-d8	1.29		1.250		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		101	78.5	120				

Sample ID: MB-34069	SampType: MBLK	Units: mg/Kg				Prep Date: 10/15/2021	RunNo: 70605				
Client ID: MBLKS	Batch ID: 34069					Analysis Date: 10/15/2021	SeqNo: 1435206				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.25		1.250		100	75.5	119				
Surr: Toluene-d8	1.27		1.250		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.2	78.5	118				

Sample ID: 2110214-001BMS	SampType: MS	Units: mg/Kg				Prep Date: 10/15/2021	RunNo: 70605				
Client ID: BATCH	Batch ID: 34069					Analysis Date: 10/15/2021	SeqNo: 1435188				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.973	0.0361	0.9031	0	108	77.7	131				
Surr: Dibromofluoromethane	1.18		1.129		104	75.5	119				
Surr: Toluene-d8	1.15		1.129		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.15		1.129		102	78.5	118				

Sample ID: 2110219-003BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 10/15/2021	RunNo: 70605				
Client ID: BATCH	Batch ID: 34069					Analysis Date: 10/16/2021	SeqNo: 1435197				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0427						0		30	
Surr: Dibromofluoromethane	1.37		1.335		102	75.5	119		0		

Work Order: 2110227
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110219-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/15/2021	RunNo: 70605							
Client ID: BATCH	Batch ID: 34069		Analysis Date: 10/16/2021	SeqNo: 1435197							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.37		1.335		103	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.28		1.335		95.9	78.5	118		0		

Client Name: AC	Work Order Number: 2110227
Logged by: Clare Griggs	Date Received: 10/15/2021 1:16:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	1.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/15/2021 Page: 1 of 1 Laboratory Project No (Internal): 2110227

Project Name: Schitzer Special Remarks:

Client: Aspet Consulting

Project No: 190298

Address: Collected by: DRS

City, State, Zip: Location:

Telephone: 316.617.0499 Report to (PM): Al. Cochrane

Sample Disposal: Return to client Disposal by lab (after 30 days)

Fax: PM Email: acochrane@aspetconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDR (8011)	Comments
1 Ant-N19-W17-123	10/15/21	0800	Soil	3													X
2 Ant-N17-W16-123		0805															
3 Ant-N19-W15-123		0810															
4 Ant-N21-W16-123		0815															
5 TSP ²³ Ant-TB-17			A	1													
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTC-A-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature) Print Name Date/Time Received (Signature) Print Name Date/Time
 Relinquished (Signature) Print Name Date/Time Received (Signature) Print Name Date/Time



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2110227

October 18, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 10/15/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110227

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110227-001	Art-N19-W17-123	10/15/2021 8:00 AM	10/15/2021 1:16 PM
2110227-002	Art-N17-W16-123	10/15/2021 8:05 AM	10/15/2021 1:16 PM
2110227-003	Art-N19-W15-123	10/15/2021 8:10 AM	10/15/2021 1:16 PM
2110227-004	Art-N21-W16-123	10/15/2021 8:15 AM	10/15/2021 1:16 PM
2110227-005	Art-TB-17		10/15/2021 1:16 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

10/22/2021: Revision 1 includes correction to sample IDs.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2110227-001

Collection Date: 10/15/2021 8:00:00 AM

Client Sample ID: Art-N19-W17-123

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0477		mg/Kg-dry	1	10/16/2021 6:47:10 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/16/2021 6:47:10 AM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	10/16/2021 6:47:10 AM
Surr: 1-Bromo-4-fluorobenzene	97.5	78.5 - 118		%Rec	1	10/16/2021 6:47:10 AM

Sample Moisture (Percent Moisture)

Batch ID: R70597

Analyst: ALB

Percent Moisture	10.4	0.500		wt%	1	10/18/2021 9:17:52 AM
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Lab ID: 2110227-002

Collection Date: 10/15/2021 8:05:00 AM

Client Sample ID: Art-N17-W16-123

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0316		mg/Kg-dry	1	10/16/2021 7:17:17 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/16/2021 7:17:17 AM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	10/16/2021 7:17:17 AM
Surr: 1-Bromo-4-fluorobenzene	95.5	78.5 - 118		%Rec	1	10/16/2021 7:17:17 AM

Sample Moisture (Percent Moisture)

Batch ID: R70597

Analyst: ALB

Percent Moisture	9.14	0.500		wt%	1	10/18/2021 9:17:52 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2110227-003

Collection Date: 10/15/2021 8:10:00 AM

Client Sample ID: Art-N19-W15-123

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0266		mg/Kg-dry	1	10/16/2021 7:47:25 AM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/16/2021 7:47:25 AM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	10/16/2021 7:47:25 AM
Surr: 1-Bromo-4-fluorobenzene	95.3	78.5 - 118		%Rec	1	10/16/2021 7:47:25 AM

Sample Moisture (Percent Moisture)

Batch ID: R70597

Analyst: ALB

Percent Moisture	9.28	0.500		wt%	1	10/18/2021 9:17:52 AM
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Lab ID: 2110227-004

Collection Date: 10/15/2021 8:15:00 AM

Client Sample ID: Art-N21-W16-123

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0265		mg/Kg-dry	1	10/16/2021 8:17:33 AM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/16/2021 8:17:33 AM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	10/16/2021 8:17:33 AM
Surr: 1-Bromo-4-fluorobenzene	96.7	78.5 - 118		%Rec	1	10/16/2021 8:17:33 AM

Sample Moisture (Percent Moisture)

Batch ID: R70597

Analyst: ALB

Percent Moisture	9.39	0.500		wt%	1	10/18/2021 9:17:52 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2110227-005

Collection Date:

Client Sample ID: Art-TB-17

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34069

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	10/16/2021 8:47:41 AM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/16/2021 8:47:41 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	10/16/2021 8:47:41 AM
Surr: 1-Bromo-4-fluorobenzene	95.2	78.5 - 118		%Rec	1	10/16/2021 8:47:41 AM

Work Order: 2110227
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34069	SampType: LCS	Units: mg/Kg			Prep Date: 10/15/2021	RunNo: 70605					
Client ID: LCSS	Batch ID: 34069				Analysis Date: 10/15/2021	SeqNo: 1435207					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.04	0.0400	1.000	0	104	80	120				
Surr: Dibromofluoromethane	1.29		1.250		103	75.5	120				
Surr: Toluene-d8	1.29		1.250		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		101	78.5	120				

Sample ID: MB-34069	SampType: MBLK	Units: mg/Kg			Prep Date: 10/15/2021	RunNo: 70605					
Client ID: MBLKS	Batch ID: 34069				Analysis Date: 10/15/2021	SeqNo: 1435206					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.25		1.250		100	75.5	119				
Surr: Toluene-d8	1.27		1.250		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.2	78.5	118				

Sample ID: 2110204-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/15/2021	RunNo: 70605					
Client ID: BATCH	Batch ID: 34069				Analysis Date: 10/15/2021	SeqNo: 1435186					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.531						0		30	D
Surr: Dibromofluoromethane	17.1		16.59		103	75.5	119		0		D
Surr: Toluene-d8	17.4		16.59		105	82.4	115		0		D
Surr: 1-Bromo-4-fluorobenzene	17.6		16.59		106	78.5	118		0		D

Sample ID: 2110214-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 10/15/2021	RunNo: 70605					
Client ID: BATCH	Batch ID: 34069				Analysis Date: 10/15/2021	SeqNo: 1435188					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.29	0.0479	1.197	0	108	77.7	131				
Surr: Dibromofluoromethane	1.56		1.496		104	75.5	119				

Work Order: 2110227
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110214-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/15/2021	RunNo: 70605							
Client ID: BATCH	Batch ID: 34069		Analysis Date: 10/15/2021	SeqNo: 1435188							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	1.53		1.496		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.52		1.496		102	78.5	118				

Sample ID: 2110219-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/15/2021	RunNo: 70605							
Client ID: BATCH	Batch ID: 34069		Analysis Date: 10/16/2021	SeqNo: 1435197							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0427						0		30	
Surr: Dibromofluoromethane	1.37		1.335		102	75.5	119		0		
Surr: Toluene-d8	1.37		1.335		103	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.28		1.335		95.9	78.5	118		0		

Client Name: AC	Work Order Number: 2110227
Logged by: Clare Griggs	Date Received: 10/15/2021 1:16:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	1.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/15/2021 Page: 1 of 1 Laboratory Project No (Internal): 2110227

Project Name: Skitzer Special Remarks:

Client: Aspect Consulting

Project No: 190298

Address: _____ Collected by: DRS

City, State, Zip: _____ Location:

Telephone: 316.617.0499 Report to (PM): Al. Cochrane

Sample Disposal: Return to client Disposal by lab (after 30 days)

Fax: _____ PM Email: acochrane@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analysis Parameters																Comments		
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DHR)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDR (801)							
1 Art-N19-W17-123	10/15/21	0800	Soil	3																			
2 Art-N17-W16-123		0805																					
3 Art-N19-W15-123		0810																					
4 Art-N21-W16-123		0815																					
5 TSP123 Art-TB-17		-	A	1																			
6																							
7																							
8																							
9																							
10																							

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTC-A-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Printed Name _____ Date/Time _____
 Relinquished (Signature) _____ Printed Name _____ Date/Time _____

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2110246

October 19, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 6 sample(s) on 10/18/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110246

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110246-001	ART-N28-W02-118	10/18/2021 7:30 AM	10/18/2021 3:05 PM
2110246-002	ART-SV33-SV34-124	10/18/2021 7:35 AM	10/18/2021 3:05 PM
2110246-003	ART-W09-W10-130	10/18/2021 10:46 AM	10/18/2021 3:05 PM
2110246-004	ART-W13-W14-130	10/18/2021 10:50 AM	10/18/2021 3:05 PM
2110246-005	ART-W21-W22-130	10/18/2021 12:49 PM	10/18/2021 3:05 PM
2110246-006	ART-N99-W99-130	10/18/2021 12:49 PM	10/18/2021 3:05 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110246-001

Collection Date: 10/18/2021 7:30:00 AM

Client Sample ID: ART-N28-W02-118

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34080 Analyst: KT

Tetrachloroethene (PCE)	ND	0.0267		mg/Kg-dry	1	10/18/2021 8:14:42 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	10/18/2021 8:14:42 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/18/2021 8:14:42 PM
Surr: 1-Bromo-4-fluorobenzene	95.0	78.5 - 118		%Rec	1	10/18/2021 8:14:42 PM

Sample Moisture (Percent Moisture)

Batch ID: R70622 Analyst: ALB

Percent Moisture	7.80	0.500		wt%	1	10/19/2021 10:04:13 AM
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Lab ID: 2110246-002

Collection Date: 10/18/2021 7:35:00 AM

Client Sample ID: ART-SV33-SV34-124

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34080 Analyst: KT

Tetrachloroethene (PCE)	0.0366	0.0233		mg/Kg-dry	1	10/18/2021 8:44:53 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	10/18/2021 8:44:53 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/18/2021 8:44:53 PM
Surr: 1-Bromo-4-fluorobenzene	93.0	78.5 - 118		%Rec	1	10/18/2021 8:44:53 PM

Sample Moisture (Percent Moisture)

Batch ID: R70622 Analyst: ALB

Percent Moisture	9.56	0.500		wt%	1	10/19/2021 10:04:13 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110246-003

Collection Date: 10/18/2021 10:46:00 AM

Client Sample ID: ART-W09-W10-130

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34080

Analyst: KT

Vinyl chloride	ND	0.0156		mg/Kg-dry	1	10/18/2021 9:15:02 PM
1,1-Dichloroethene	ND	0.0626		mg/Kg-dry	1	10/18/2021 9:15:02 PM
trans-1,2-Dichloroethene	ND	0.0188		mg/Kg-dry	1	10/18/2021 9:15:02 PM
cis-1,2-Dichloroethene	ND	0.0156		mg/Kg-dry	1	10/18/2021 9:15:02 PM
Trichloroethene (TCE)	ND	0.0125		mg/Kg-dry	1	10/18/2021 9:15:02 PM
Tetrachloroethene (PCE)	ND	0.0250		mg/Kg-dry	1	10/18/2021 9:15:02 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/18/2021 9:15:02 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/18/2021 9:15:02 PM
Surr: 1-Bromo-4-fluorobenzene	94.1	78.5 - 118		%Rec	1	10/18/2021 9:15:02 PM

Sample Moisture (Percent Moisture)

Batch ID: R70622

Analyst: ALB

Percent Moisture	10.3	0.500		wt%	1	10/19/2021 10:04:13 AM
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Lab ID: 2110246-004

Collection Date: 10/18/2021 10:50:00 AM

Client Sample ID: ART-W13-W14-130

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34080

Analyst: KT

Vinyl chloride	ND	0.0183		mg/Kg-dry	1	10/18/2021 9:45:10 PM
1,1-Dichloroethene	ND	0.0730		mg/Kg-dry	1	10/18/2021 9:45:10 PM
trans-1,2-Dichloroethene	ND	0.0219		mg/Kg-dry	1	10/18/2021 9:45:10 PM
cis-1,2-Dichloroethene	ND	0.0183		mg/Kg-dry	1	10/18/2021 9:45:10 PM
Trichloroethene (TCE)	ND	0.0146		mg/Kg-dry	1	10/18/2021 9:45:10 PM
Tetrachloroethene (PCE)	ND	0.0292		mg/Kg-dry	1	10/18/2021 9:45:10 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/18/2021 9:45:10 PM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	10/18/2021 9:45:10 PM
Surr: 1-Bromo-4-fluorobenzene	94.7	78.5 - 118		%Rec	1	10/18/2021 9:45:10 PM

Sample Moisture (Percent Moisture)

Batch ID: R70622

Analyst: ALB

Percent Moisture	11.6	0.500		wt%	1	10/19/2021 10:04:13 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110246-005

Collection Date: 10/18/2021 12:49:00 PM

Client Sample ID: ART-W21-W22-130

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 34080		Analyst: KT
Vinyl chloride	ND	0.0175		mg/Kg-dry	1	10/18/2021 10:15:17 PM
1,1-Dichloroethene	ND	0.0702		mg/Kg-dry	1	10/18/2021 10:15:17 PM
trans-1,2-Dichloroethene	ND	0.0211		mg/Kg-dry	1	10/18/2021 10:15:17 PM
cis-1,2-Dichloroethene	ND	0.0175		mg/Kg-dry	1	10/18/2021 10:15:17 PM
Trichloroethene (TCE)	ND	0.0140		mg/Kg-dry	1	10/18/2021 10:15:17 PM
Tetrachloroethene (PCE)	0.0362	0.0281		mg/Kg-dry	1	10/18/2021 10:15:17 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/18/2021 10:15:17 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/18/2021 10:15:17 PM
Surr: 1-Bromo-4-fluorobenzene	94.2	78.5 - 118		%Rec	1	10/18/2021 10:15:17 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70622		Analyst: ALB
Percent Moisture	14.8	0.500		wt%	1	10/19/2021 10:04:13 AM



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110246-006

Collection Date: 10/18/2021 12:49:00 PM

Client Sample ID: ART-N99-W99-130

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 34080		Analyst: KT
Vinyl chloride	ND	0.0154		mg/Kg-dry	1	10/18/2021 11:15:31 PM
1,1-Dichloroethene	ND	0.0617		mg/Kg-dry	1	10/18/2021 11:15:31 PM
trans-1,2-Dichloroethene	ND	0.0185		mg/Kg-dry	1	10/18/2021 11:15:31 PM
cis-1,2-Dichloroethene	ND	0.0154		mg/Kg-dry	1	10/18/2021 11:15:31 PM
Trichloroethene (TCE)	ND	0.0123		mg/Kg-dry	1	10/18/2021 11:15:31 PM
Tetrachloroethene (PCE)	0.0399	0.0247		mg/Kg-dry	1	10/18/2021 11:15:31 PM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/18/2021 11:15:31 PM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	10/18/2021 11:15:31 PM
Surr: 1-Bromo-4-fluorobenzene	94.1	78.5 - 118		%Rec	1	10/18/2021 11:15:31 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70622		Analyst: ALB
Percent Moisture	11.7	0.500		wt%	1	10/19/2021 10:04:13 AM

Work Order: 2110246
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34080	SampType: LCS	Units: mg/Kg				Prep Date: 10/18/2021	RunNo: 70621				
Client ID: LCSS	Batch ID: 34080					Analysis Date: 10/18/2021	SeqNo: 1435547				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.12	0.0250	1.000	0	112	80	120				
1,1-Dichloroethene	1.06	0.100	1.000	0	106	80	120				
trans-1,2-Dichloroethene	1.01	0.0300	1.000	0	101	80	120				
cis-1,2-Dichloroethene	0.983	0.0250	1.000	0	98.3	80	120				
Trichloroethene (TCE)	0.983	0.0200	1.000	0	98.3	80	120				
Tetrachloroethene (PCE)	0.977	0.0400	1.000	0	97.7	80	120				
Surr: Dibromofluoromethane	1.03		1.250		82.4	75.5	120				
Surr: Toluene-d8	1.02		1.250		81.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.06		1.250		85.0	78.5	120				

Sample ID: MB-34080	SampType: MBLK	Units: mg/Kg				Prep Date: 10/18/2021	RunNo: 70621				
Client ID: MBLKS	Batch ID: 34080					Analysis Date: 10/18/2021	SeqNo: 1435546				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.24		1.250		99.2	75.5	119				
Surr: Toluene-d8	1.25		1.250		100	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.250		95.1	78.5	118				

Sample ID: 2110246-005BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 10/18/2021	RunNo: 70621				
Client ID: ART-W21-W22-130	Batch ID: 34080					Analysis Date: 10/18/2021	SeqNo: 1435541				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0175						0		30	

Work Order: 2110246
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110246-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/18/2021	RunNo: 70621							
Client ID: ART-W21-W22-130	Batch ID: 34080		Analysis Date: 10/18/2021	SeqNo: 1435541							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0702						0		30	
trans-1,2-Dichloroethene	ND	0.0211						0		30	
cis-1,2-Dichloroethene	ND	0.0175						0		30	
Trichloroethene (TCE)	ND	0.0140						0		30	
Tetrachloroethene (PCE)	0.0373	0.0281						0.03622	2.82	30	
Surr: Dibromofluoromethane	0.893		0.8773		102	75.5	119		0		
Surr: Toluene-d8	0.887		0.8773		101	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.838		0.8773		95.5	78.5	118		0		

Sample ID: 2110246-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/18/2021	RunNo: 70621							
Client ID: ART-N99-W99-130	Batch ID: 34080		Analysis Date: 10/19/2021	SeqNo: 1435543							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.769	0.0154	0.6171	0	125	50.3	134				
1,1-Dichloroethene	0.662	0.0617	0.6171	0	107	62.2	138				
trans-1,2-Dichloroethene	0.636	0.0185	0.6171	0	103	70.2	132				
cis-1,2-Dichloroethene	0.620	0.0154	0.6171	0	100	79.6	125				
Trichloroethene (TCE)	0.619	0.0123	0.6171	0	100	78.9	132				
Tetrachloroethene (PCE)	0.645	0.0247	0.6171	0.03995	98.1	77.7	131				
Surr: Dibromofluoromethane	0.631		0.7714		81.9	75.5	119				
Surr: Toluene-d8	0.627		0.7714		81.3	82.4	115				S
Surr: 1-Bromo-4-fluorobenzene	0.713		0.7714		92.5	78.5	118				

Client Name: AC	Work Order Number: 2110246
Logged by: Clare Griggs	Date Received: 10/18/2021 3:05:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/18/21 Page: 1 of 1
Project Name: The Artise
Laboratory Project No (internal): 2110246

Client: Aspect Consulting

Address: 710 2nd Ave Suite 550

City, State, Zip: Seattle, WA 98104

Telephone: 206.949.7478

Project No: 190298

Collected by: MMR

Location:

Report To (PM): Aii Cochrane

PM Email: auchrane@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytical Parameters											Comments																							
					SVOCs (EPA 8260 / 6241)*	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HClD)	Diesel/Heavy Oil Range Organics (HX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***		EDR (8011)																						
1 ART-N28-W02-118	10/18/21	0730	SOI	3																																			
2 ART-SV335-SV34-124		0735																																					
3 ART-W09-W10-130		10440			X																																		
4 ART-W13-W14-130		1050			X																																		
5 ART-W21-W22-130		1249			X																																		
6 ART-N09-W09-130		1249			X																																		
7																																							
8																																							
9																																							
10																																							

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sp Se Sr Sn Ti Tl V Zn
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 2 Day
 3 Day
 Standard Next Day
 Same Day (specify)

Relinquished (Signature) Monique Ratté Print Name Monique Ratté Date/Time 10/18/21 1435
 Relinquished (Signature) Justin Mesty Print Name Justin Mesty Date/Time 10/18 15:05
 Received (Signature) D-T 1901 Print Name D-T 1901 Date/Time 10/18/21 1435
 Received (Signature) _____ Print Name _____ Date/Time _____



Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2110358

October 26, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 10/25/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110358

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110358-001	ART-W04-W20-118	10/25/2021 1:26 PM	10/25/2021 3:51 PM
2110358-002	ART-W03-W23-118	10/25/2021 1:31 PM	10/25/2021 3:51 PM
2110358-003	ART-W02-W21-118	10/25/2021 1:34 PM	10/25/2021 3:51 PM
2110358-004	ART-W02-W19-118	10/25/2021 1:39 PM	10/25/2021 3:51 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110358-001

Collection Date: 10/25/2021 1:26:00 PM

Client Sample ID: ART-W04-W20-118

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34157 Analyst: CR

Tetrachloroethene (PCE)	ND	0.0238		mg/Kg-dry	1	10/26/2021 4:51:56 AM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	10/26/2021 4:51:56 AM
Surr: Toluene-d8	98.7	82.4 - 115		%Rec	1	10/26/2021 4:51:56 AM
Surr: 1-Bromo-4-fluorobenzene	99.0	78.5 - 118		%Rec	1	10/26/2021 4:51:56 AM

Sample Moisture (Percent Moisture)

Batch ID: R70778 Analyst: ALB

Percent Moisture	7.86	0.500		wt%	1	10/26/2021 9:14:37 AM
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Lab ID: 2110358-002

Collection Date: 10/25/2021 1:31:00 PM

Client Sample ID: ART-W03-W23-118

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34157 Analyst: CR

Tetrachloroethene (PCE)	ND	0.0378		mg/Kg-dry	1	10/26/2021 5:22:06 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/26/2021 5:22:06 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/26/2021 5:22:06 AM
Surr: 1-Bromo-4-fluorobenzene	99.5	78.5 - 118		%Rec	1	10/26/2021 5:22:06 AM

Sample Moisture (Percent Moisture)

Batch ID: R70778 Analyst: ALB

Percent Moisture	8.50	0.500		wt%	1	10/26/2021 9:14:37 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110358-003

Collection Date: 10/25/2021 1:34:00 PM

Client Sample ID: ART-W02-W21-118

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34157 Analyst: CR

Tetrachloroethene (PCE)	ND	0.0235		mg/Kg-dry	1	10/26/2021 5:52:15 AM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/26/2021 5:52:15 AM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	10/26/2021 5:52:15 AM
Surr: 1-Bromo-4-fluorobenzene	98.5	78.5 - 118		%Rec	1	10/26/2021 5:52:15 AM

Sample Moisture (Percent Moisture)

Batch ID: R70778 Analyst: ALB

Percent Moisture	10.7	0.500		wt%	1	10/26/2021 9:14:37 AM
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Lab ID: 2110358-004

Collection Date: 10/25/2021 1:39:00 PM

Client Sample ID: ART-W02-W19-118

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34157 Analyst: CR

Tetrachloroethene (PCE)	ND	0.0208		mg/Kg-dry	1	10/26/2021 6:22:27 AM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/26/2021 6:22:27 AM
Surr: Toluene-d8	99.8	82.4 - 115		%Rec	1	10/26/2021 6:22:27 AM
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118		%Rec	1	10/26/2021 6:22:27 AM

Sample Moisture (Percent Moisture)

Batch ID: R70778 Analyst: ALB

Percent Moisture	9.52	0.500		wt%	1	10/26/2021 9:14:37 AM
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Work Order: 2110358
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34157	SampType: LCS	Units: mg/Kg			Prep Date: 10/25/2021	RunNo: 70780					
Client ID: LCSS	Batch ID: 34157				Analysis Date: 10/25/2021	SeqNo: 1439662					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.879	0.0400	1.000	0	87.9	80	120				
Surr: Dibromofluoromethane	1.28		1.250		103	75.5	120				
Surr: Toluene-d8	1.27		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	78.5	120				

Sample ID: MB-34157	SampType: MBLK	Units: mg/Kg			Prep Date: 10/25/2021	RunNo: 70780					
Client ID: MBLKS	Batch ID: 34157				Analysis Date: 10/25/2021	SeqNo: 1439661					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.26		1.250		101	75.5	119				
Surr: Toluene-d8	1.26		1.250		100	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.8	78.5	118				

Sample ID: 2110311-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/25/2021	RunNo: 70780					
Client ID: BATCH	Batch ID: 34157				Analysis Date: 10/25/2021	SeqNo: 1439624					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0447						0		30	
Surr: Dibromofluoromethane	1.44		1.397		103	75.5	119		0		
Surr: Toluene-d8	1.42		1.397		102	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.36		1.397		97.3	78.5	118		0		

Sample ID: 2110335-002ADUP	SampType: DUP	Units: mg/Kg			Prep Date: 10/25/2021	RunNo: 70780					
Client ID: BATCH	Batch ID: 34157				Analysis Date: 10/25/2021	SeqNo: 1439640					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0471						0		30	
Surr: Dibromofluoromethane	1.55		1.473		106	75.5	119		0		

Work Order: 2110358
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110335-002ADUP	SampType: DUP	Units: mg/Kg	Prep Date: 10/25/2021	RunNo: 70780							
Client ID: BATCH	Batch ID: 34157		Analysis Date: 10/25/2021	SeqNo: 1439640							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	1.50		1.473		102	82.4	115		0	
Surr: 1-Bromo-4-fluorobenzene	1.45		1.473		98.4	78.5	118		0	

Sample ID: 2110322-001BMS	SampType: MS	Units: mg/Kg	Prep Date: 10/25/2021	RunNo: 70780							
Client ID: BATCH	Batch ID: 34157		Analysis Date: 10/25/2021	SeqNo: 1439633							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.101	0.00489	0.1222	0	83.1	77.7	131			
Surr: Dibromofluoromethane	0.148		0.1527		96.8	75.5	119			
Surr: Toluene-d8	0.265		0.1527		173	82.4	115			S
Surr: 1-Bromo-4-fluorobenzene	0.192		0.1527		125	78.5	118			S

NOTES:
 S - Outlying surrogate recovery(ies) observed.

Client Name: AC	Work Order Number: 2110358
Logged by: Gabrielle Coeuille	Date Received: 10/25/2021 3:51:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	4.5

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/26/21 Page: 1 of 1

Laboratory Project No (Internal): 2110358

Project Name: THE ARTISTE

Project No: K02098

Collected by: NMR

Location:

Report To (PM): Ali Courrane

Sample Disposal: Return to client Dispose by lab (after 30 days)

PM Email: acourrane@aspectconsulting.com

Client: ASPECT CONSULTING
Address: 710 2nd AVE SUITE 550
City, State, Zip: SEATTLE WA 98104
Telephone: 206.949.7278
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)**	EDB (8011)	PCB	Comments
1 ART-W04-N2D-118	10/26/21	1326	8011	3														
2 ART-W08-W23-118		1331																
3 ART-W02-W21-118		1334																
4 ART-W02-W19-118		1339																
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTC-A-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite
 I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Received (Signature) _____ Print Name _____ Date/Time _____



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2110374

October 27, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 sample(s) on 10/26/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2110374

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110374-001	ART-W24-W25-130	10/26/2021 10:22 AM	10/26/2021 3:57 PM
2110374-002	ART-W18-W19-130	10/26/2021 10:25 AM	10/26/2021 3:57 PM
2110374-003	ART-N24-W02-112	10/26/2021 11:23 AM	10/26/2021 3:57 PM
2110374-004	ART-N29-W02-112	10/26/2021 11:28 AM	10/26/2021 3:57 PM
2110374-005	ART-N27-W03-112	10/26/2021 11:31 AM	10/26/2021 3:57 PM
2110374-006	ART-N18-W09-110	10/26/2021 12:53 PM	10/26/2021 3:57 PM
2110374-007	ART-TB-19	10/26/2021 1:45 PM	10/26/2021 3:57 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110374-001

Collection Date: 10/26/2021 10:22:00 AM

Client Sample ID: ART-W24-W25-130

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34186

Analyst: CR

Vinyl chloride	ND	0.0171		mg/Kg-dry	1	10/26/2021 11:58:19 PM
1,1-Dichloroethene	ND	0.0685		mg/Kg-dry	1	10/26/2021 11:58:19 PM
trans-1,2-Dichloroethene	ND	0.0205		mg/Kg-dry	1	10/26/2021 11:58:19 PM
cis-1,2-Dichloroethene	ND	0.0171		mg/Kg-dry	1	10/26/2021 11:58:19 PM
Trichloroethene (TCE)	ND	0.0137		mg/Kg-dry	1	10/26/2021 11:58:19 PM
Tetrachloroethene (PCE)	ND	0.0274		mg/Kg-dry	1	10/26/2021 11:58:19 PM
Surr: Dibromofluoromethane	99.1	75.5 - 119		%Rec	1	10/26/2021 11:58:19 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/26/2021 11:58:19 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	78.5 - 118		%Rec	1	10/26/2021 11:58:19 PM

Sample Moisture (Percent Moisture)

Batch ID: R70810

Analyst: ALB

Percent Moisture	16.3	0.500		wt%	1	10/27/2021 9:38:18 AM
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Lab ID: 2110374-002

Collection Date: 10/26/2021 10:25:00 AM

Client Sample ID: ART-W18-W19-130

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34186

Analyst: CR

Vinyl chloride	ND	0.0157		mg/Kg-dry	1	10/27/2021 12:28:26 AM
1,1-Dichloroethene	ND	0.0627		mg/Kg-dry	1	10/27/2021 12:28:26 AM
trans-1,2-Dichloroethene	ND	0.0188		mg/Kg-dry	1	10/27/2021 12:28:26 AM
cis-1,2-Dichloroethene	ND	0.0157		mg/Kg-dry	1	10/27/2021 12:28:26 AM
Trichloroethene (TCE)	ND	0.0125		mg/Kg-dry	1	10/27/2021 12:28:26 AM
Tetrachloroethene (PCE)	0.0710	0.0251		mg/Kg-dry	1	10/27/2021 12:28:26 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/27/2021 12:28:26 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/27/2021 12:28:26 AM
Surr: 1-Bromo-4-fluorobenzene	99.0	78.5 - 118		%Rec	1	10/27/2021 12:28:26 AM

Sample Moisture (Percent Moisture)

Batch ID: R70810

Analyst: ALB

Percent Moisture	9.90	0.500		wt%	1	10/27/2021 9:38:18 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110374-003

Collection Date: 10/26/2021 11:23:00 AM

Client Sample ID: ART-N24-W02-112

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 34186		Analyst: CR
Tetrachloroethene (PCE)	ND	0.0223		mg/Kg-dry	1	10/27/2021 12:58:35 AM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/27/2021 12:58:35 AM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	10/27/2021 12:58:35 AM
Surr: 1-Bromo-4-fluorobenzene	97.1	78.5 - 118		%Rec	1	10/27/2021 12:58:35 AM

Sample Moisture (Percent Moisture)

Batch ID: R70810 Analyst: ALB

Percent Moisture	6.79	0.500		wt%	1	10/27/2021 9:38:18 AM
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Lab ID: 2110374-004

Collection Date: 10/26/2021 11:28:00 AM

Client Sample ID: ART-N29-W02-112

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 34186		Analyst: CR
Tetrachloroethene (PCE)	ND	0.0196		mg/Kg-dry	1	10/27/2021 1:28:44 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/27/2021 1:28:44 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/27/2021 1:28:44 AM
Surr: 1-Bromo-4-fluorobenzene	99.2	78.5 - 118		%Rec	1	10/27/2021 1:28:44 AM

Sample Moisture (Percent Moisture)

Batch ID: R70810 Analyst: ALB

Percent Moisture	9.07	0.500		wt%	1	10/27/2021 9:38:18 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2110374-005

Collection Date: 10/26/2021 11:31:00 AM

Client Sample ID: ART-N27-W03-112

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34186

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0226		mg/Kg-dry	1	10/27/2021 1:58:52 AM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/27/2021 1:58:52 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	10/27/2021 1:58:52 AM
Surr: 1-Bromo-4-fluorobenzene	97.2	78.5 - 118		%Rec	1	10/27/2021 1:58:52 AM

Sample Moisture (Percent Moisture)

Batch ID: R70810

Analyst: ALB

Percent Moisture	8.68	0.500		wt%	1	10/27/2021 9:38:18 AM
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Lab ID: 2110374-006

Collection Date: 10/26/2021 12:53:00 PM

Client Sample ID: ART-N18-W09-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34186

Analyst: CR

Vinyl chloride	ND	0.0145		mg/Kg-dry	1	10/27/2021 2:29:00 AM
1,1-Dichloroethene	ND	0.0580		mg/Kg-dry	1	10/27/2021 2:29:00 AM
trans-1,2-Dichloroethene	ND	0.0174		mg/Kg-dry	1	10/27/2021 2:29:00 AM
cis-1,2-Dichloroethene	ND	0.0145		mg/Kg-dry	1	10/27/2021 2:29:00 AM
Trichloroethene (TCE)	ND	0.0116		mg/Kg-dry	1	10/27/2021 2:29:00 AM
Tetrachloroethene (PCE)	ND	0.0232		mg/Kg-dry	1	10/27/2021 2:29:00 AM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/27/2021 2:29:00 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	10/27/2021 2:29:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.3	78.5 - 118		%Rec	1	10/27/2021 2:29:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R70810

Analyst: ALB

Percent Moisture	8.59	0.500		wt%	1	10/27/2021 9:38:18 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2110374-007

Collection Date: 10/26/2021 1:45:00 PM

Client Sample ID: ART-TB-19

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34186

Analyst: CR

Vinyl chloride	ND	0.0250		mg/Kg	1	10/26/2021 8:57:28 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	10/26/2021 8:57:28 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	10/26/2021 8:57:28 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	10/26/2021 8:57:28 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	10/26/2021 8:57:28 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	10/26/2021 8:57:28 PM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/26/2021 8:57:28 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/26/2021 8:57:28 PM
Surr: 1-Bromo-4-fluorobenzene	97.8	78.5 - 118		%Rec	1	10/26/2021 8:57:28 PM

Work Order: 2110374
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34186	SampType: LCS	Units: mg/Kg				Prep Date: 10/26/2021	RunNo: 70811				
Client ID: LCSS	Batch ID: 34186					Analysis Date: 10/26/2021	SeqNo: 1440285				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.07	0.0250	1.000	0	107	80	120				
1,1-Dichloroethene	0.974	0.100	1.000	0	97.4	80	120				
trans-1,2-Dichloroethene	1.01	0.0300	1.000	0	101	80	120				
cis-1,2-Dichloroethene	0.995	0.0250	1.000	0	99.5	80	120				
Trichloroethene (TCE)	0.996	0.0200	1.000	0	99.6	80	120				
Tetrachloroethene (PCE)	0.996	0.0400	1.000	0	99.6	80	120				
Surr: Dibromofluoromethane	1.31		1.250		105	75.5	120				
Surr: Toluene-d8	1.27		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	78.5	120				

Sample ID: MB-34186	SampType: MBLK	Units: mg/Kg				Prep Date: 10/26/2021	RunNo: 70811				
Client ID: MBLKS	Batch ID: 34186					Analysis Date: 10/26/2021	SeqNo: 1440271				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.29		1.250		103	75.5	119				
Surr: Toluene-d8	1.26		1.250		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	78.5	118				

Sample ID: 2110372-002BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 10/26/2021	RunNo: 70811				
Client ID: BATCH	Batch ID: 34186					Analysis Date: 10/26/2021	SeqNo: 1440259				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0299						0		30	

Work Order: 2110374
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110372-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/26/2021	RunNo: 70811							
Client ID: BATCH	Batch ID: 34186		Analysis Date: 10/26/2021	SeqNo: 1440259							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.120						0		30	
trans-1,2-Dichloroethene	ND	0.0359						0		30	
cis-1,2-Dichloroethene	ND	0.0299						0		30	
Trichloroethene (TCE)	ND	0.0239						0		30	
Tetrachloroethene (PCE)	ND	0.0478						0		30	
Surr: Dibromofluoromethane	1.56		1.495		104	75.5	119		0		
Surr: Toluene-d8	1.50		1.495		100	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.47		1.495		98.6	78.5	118		0		

Sample ID: 2110360-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/26/2021	RunNo: 70811							
Client ID: BATCH	Batch ID: 34186		Analysis Date: 10/27/2021	SeqNo: 1440255							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0277						0		30	
1,1-Dichloroethene	ND	0.111						0		30	
trans-1,2-Dichloroethene	ND	0.0332						0		30	
cis-1,2-Dichloroethene	ND	0.0277						0		30	
Trichloroethene (TCE)	ND	0.0222						0		30	
Tetrachloroethene (PCE)	ND	0.0443						0		30	
Surr: Dibromofluoromethane	1.48		1.385		107	75.5	119		0		
Surr: Toluene-d8	1.41		1.385		102	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.35		1.385		97.8	78.5	118		0		

Sample ID: 2110374-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/26/2021	RunNo: 70811							
Client ID: ART-N24-W02-112	Batch ID: 34186		Analysis Date: 10/27/2021	SeqNo: 1440264							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.678	0.0140	0.5585	0	121	50.3	134				
1,1-Dichloroethene	0.599	0.0558	0.5585	0	107	62.2	138				

Work Order: 2110374
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110374-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/26/2021	RunNo: 70811
Client ID: ART-N24-W02-112	Batch ID: 34186		Analysis Date: 10/27/2021	SeqNo: 1440264

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	0.622	0.0168	0.5585	0	111	70.2	132				
cis-1,2-Dichloroethene	0.617	0.0140	0.5585	0	111	79.6	125				
Trichloroethene (TCE)	0.620	0.0112	0.5585	0	111	78.9	132				
Tetrachloroethene (PCE)	0.616	0.0223	0.5585	0.01130	108	77.7	131				
Surr: Dibromofluoromethane	0.739		0.6981		106	75.5	119				
Surr: Toluene-d8	0.727		0.6981		104	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.722		0.6981		103	78.5	118				

Client Name: AC	Work Order Number: 2110374
Logged by: Brianna Barnes	Date Received: 10/26/2021 3:57:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont

Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 10/21/21 Page: 1 of 1
Project Name: The Arrise
Project No: 190298
Collected by: MWR

Laboratory Project No (Internal): 2119354
Special Remarks:

Client: Aspect Consulting
Address: 710 2nd Ave Seattle WA 98104
City, State, Zip: SUITE 550
Telephone: 206.949.7478

Report To (PM): Ali Cochran
PM Email: acochrane@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analysis Parameters										Comments										
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)		Anions (IC)***	EDB (8011)								
1 ART-W124-W125-130	10/20/21	1022	Soil	3																					
2 ART-W18-W19-130		1025																							
3 ART-N24-W02-112		1123																							
4 ART-N29-W02-112		1128																							
5 ART-N27-W03-112		1131																							
6 ART-N18-W09-110		1253																							
7 ART-T8-19	10/20/21	1345		1																					
8																									
9																									
10																									

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
Metals (Circle): MTC-A-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn
Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature): *[Signature]* Print Name: *Monique Rute* Date/Time: 10/20/21 1340
 Relinquished (Signature): *[Signature]* Print Name: *Ali Cochran* Date/Time: 10/26/21 1557
 Received (Signature): *[Signature]* Print Name: *Ali Cochran* Date/Time: 10/26/21



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2111023

November 02, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 6 sample(s) on 11/1/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2111023

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2111023-001	Art-W21-W01-113	11/01/2021 11:00 AM	11/01/2021 3:26 PM
2111023-002	Art-W20-W04-113	11/01/2021 11:05 AM	11/01/2021 3:26 PM
2111023-003	Art-W19-W02-113	11/01/2021 11:10 AM	11/01/2021 3:26 PM
2111023-004	Art-W23-W03-113	11/01/2021 11:15 AM	11/01/2021 3:26 PM
2111023-005	Art-N12-W06-110	11/01/2021 11:25 AM	11/01/2021 3:26 PM
2111023-006	Art-N99-W99-110	11/01/2021 11:30 AM	11/01/2021 3:26 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2111023-001

Collection Date: 11/1/2021 11:00:00 AM

Client Sample ID: Art-W21-W01-113

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34247

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0311		mg/Kg-dry	1	11/2/2021 1:29:39 AM
Surr: Dibromofluoromethane	93.4	75.5 - 119		%Rec	1	11/2/2021 1:29:39 AM
Surr: Toluene-d8	98.7	82.4 - 115		%Rec	1	11/2/2021 1:29:39 AM
Surr: 1-Bromo-4-fluorobenzene	96.6	78.5 - 118		%Rec	1	11/2/2021 1:29:39 AM

Sample Moisture (Percent Moisture)

Batch ID: R70949

Analyst: cb

Percent Moisture	8.38	0.500		wt%	1	11/2/2021 11:34:10 AM
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Lab ID: 2111023-002

Collection Date: 11/1/2021 11:05:00 AM

Client Sample ID: Art-W20-W04-113

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34247

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0288		mg/Kg-dry	1	11/2/2021 2:00:36 AM
Surr: Dibromofluoromethane	94.6	75.5 - 119		%Rec	1	11/2/2021 2:00:36 AM
Surr: Toluene-d8	99.0	82.4 - 115		%Rec	1	11/2/2021 2:00:36 AM
Surr: 1-Bromo-4-fluorobenzene	98.7	78.5 - 118		%Rec	1	11/2/2021 2:00:36 AM

Sample Moisture (Percent Moisture)

Batch ID: R70949

Analyst: cb

Percent Moisture	8.38	0.500		wt%	1	11/2/2021 11:34:10 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111023-003

Collection Date: 11/1/2021 11:10:00 AM

Client Sample ID: Art-W19-W02-113

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34247 Analyst: CR

Tetrachloroethene (PCE)	ND	0.0294		mg/Kg-dry	1	11/2/2021 2:31:32 AM
Surr: Dibromofluoromethane	94.0	75.5 - 119		%Rec	1	11/2/2021 2:31:32 AM
Surr: Toluene-d8	98.6	82.4 - 115		%Rec	1	11/2/2021 2:31:32 AM
Surr: 1-Bromo-4-fluorobenzene	95.1	78.5 - 118		%Rec	1	11/2/2021 2:31:32 AM

Sample Moisture (Percent Moisture)

Batch ID: R70949 Analyst: cb

Percent Moisture	9.16	0.500		wt%	1	11/2/2021 11:34:10 AM
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Lab ID: 2111023-004

Collection Date: 11/1/2021 11:15:00 AM

Client Sample ID: Art-W23-W03-113

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34247 Analyst: CR

Tetrachloroethene (PCE)	0.0359	0.0289		mg/Kg-dry	1	11/2/2021 3:02:29 AM
Surr: Dibromofluoromethane	92.7	75.5 - 119		%Rec	1	11/2/2021 3:02:29 AM
Surr: Toluene-d8	98.0	82.4 - 115		%Rec	1	11/2/2021 3:02:29 AM
Surr: 1-Bromo-4-fluorobenzene	96.1	78.5 - 118		%Rec	1	11/2/2021 3:02:29 AM

Sample Moisture (Percent Moisture)

Batch ID: R70949 Analyst: cb

Percent Moisture	12.6	0.500		wt%	1	11/2/2021 11:34:10 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111023-005

Collection Date: 11/1/2021 11:25:00 AM

Client Sample ID: Art-N12-W06-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34247

Analyst: CR

Vinyl chloride	ND	0.0180		mg/Kg-dry	1	11/2/2021 3:33:25 AM
1,1-Dichloroethene	ND	0.0721		mg/Kg-dry	1	11/2/2021 3:33:25 AM
trans-1,2-Dichloroethene	ND	0.0216		mg/Kg-dry	1	11/2/2021 3:33:25 AM
cis-1,2-Dichloroethene	ND	0.0180		mg/Kg-dry	1	11/2/2021 3:33:25 AM
Trichloroethene (TCE)	ND	0.0144		mg/Kg-dry	1	11/2/2021 3:33:25 AM
Tetrachloroethene (PCE)	ND	0.0289		mg/Kg-dry	1	11/2/2021 3:33:25 AM
Surr: Dibromofluoromethane	95.2	75.5 - 119		%Rec	1	11/2/2021 3:33:25 AM
Surr: Toluene-d8	98.9	82.4 - 115		%Rec	1	11/2/2021 3:33:25 AM
Surr: 1-Bromo-4-fluorobenzene	96.6	78.5 - 118		%Rec	1	11/2/2021 3:33:25 AM

Sample Moisture (Percent Moisture)

Batch ID: R70949

Analyst: cb

Percent Moisture	9.21	0.500		wt%	1	11/2/2021 11:34:10 AM
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Lab ID: 2111023-006

Collection Date: 11/1/2021 11:30:00 AM

Client Sample ID: Art-N99-W99-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34247

Analyst: CR

Vinyl chloride	ND	0.0334		mg/Kg-dry	1	11/2/2021 4:04:21 AM
1,1-Dichloroethene	ND	0.134		mg/Kg-dry	1	11/2/2021 4:04:21 AM
trans-1,2-Dichloroethene	ND	0.0401		mg/Kg-dry	1	11/2/2021 4:04:21 AM
cis-1,2-Dichloroethene	ND	0.0334		mg/Kg-dry	1	11/2/2021 4:04:21 AM
Trichloroethene (TCE)	ND	0.0267		mg/Kg-dry	1	11/2/2021 4:04:21 AM
Tetrachloroethene (PCE)	ND	0.0535		mg/Kg-dry	1	11/2/2021 4:04:21 AM
Surr: Dibromofluoromethane	93.2	75.5 - 119		%Rec	1	11/2/2021 4:04:21 AM
Surr: Toluene-d8	98.0	82.4 - 115		%Rec	1	11/2/2021 4:04:21 AM
Surr: 1-Bromo-4-fluorobenzene	98.4	78.5 - 118		%Rec	1	11/2/2021 4:04:21 AM

Sample Moisture (Percent Moisture)

Batch ID: R70949

Analyst: cb

Percent Moisture	10.3	0.500		wt%	1	11/2/2021 11:34:10 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Work Order: 2111023
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34247	SampType: LCS	Units: mg/Kg				Prep Date: 11/1/2021	RunNo: 70950				
Client ID: LCSS	Batch ID: 34247					Analysis Date: 11/1/2021	SeqNo: 1443527				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.01	0.0250	1.000	0	101	80	120				
1,1-Dichloroethene	1.06	0.100	1.000	0	106	80	120				
trans-1,2-Dichloroethene	0.998	0.0300	1.000	0	99.8	80	120				
cis-1,2-Dichloroethene	0.989	0.0250	1.000	0	98.9	80	120				
Trichloroethene (TCE)	1.00	0.0200	1.000	0	100	80	120				
Tetrachloroethene (PCE)	1.01	0.0400	1.000	0	101	80	120				
Surr: Dibromofluoromethane	1.26		1.250		101	75.5	120				
Surr: Toluene-d8	1.21		1.250		96.7	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	78.5	120				

Sample ID: MB-34247	SampType: MBLK	Units: mg/Kg				Prep Date: 11/1/2021	RunNo: 70950				
Client ID: MBLKS	Batch ID: 34247					Analysis Date: 11/1/2021	SeqNo: 1443501				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.19		1.250		95.2	75.5	119				
Surr: Toluene-d8	1.24		1.250		99.4	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.7	78.5	118				

Sample ID: 2110473-002BDUP	SampType: DUP	Units: mg/Kg				Prep Date: 11/1/2021	RunNo: 70950				
Client ID: BATCH	Batch ID: 34247					Analysis Date: 11/1/2021	SeqNo: 1443503				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0239						0		30	

Work Order: 2111023
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110473-002BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 11/1/2021	RunNo: 70950					
Client ID: BATCH	Batch ID: 34247				Analysis Date: 11/1/2021	SeqNo: 1443503					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0956						0		30	
trans-1,2-Dichloroethene	ND	0.0287						0		30	
cis-1,2-Dichloroethene	ND	0.0239						0		30	
Trichloroethene (TCE)	ND	0.0191						0		30	
Tetrachloroethene (PCE)	ND	0.0382						0		30	
Surr: Dibromofluoromethane	1.13		1.195		94.4	75.5	119		0		
Surr: Toluene-d8	1.19		1.195		99.5	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.18		1.195		99.1	78.5	118		0		

Sample ID: 2110473-010BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 11/1/2021	RunNo: 70950					
Client ID: BATCH	Batch ID: 34247				Analysis Date: 11/1/2021	SeqNo: 1443509					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0249						0		30	
1,1-Dichloroethene	ND	0.0994						0		30	
trans-1,2-Dichloroethene	ND	0.0298						0		30	
cis-1,2-Dichloroethene	ND	0.0249						0		30	
Trichloroethene (TCE)	ND	0.0199						0		30	
Tetrachloroethene (PCE)	ND	0.0398						0		30	
Surr: Dibromofluoromethane	1.17		1.243		93.8	75.5	119		0		
Surr: Toluene-d8	1.24		1.243		100	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.31		1.243		105	78.5	118		0		

Sample ID: 2110473-008BMS	SampType: MS	Units: mg/Kg			Prep Date: 11/1/2021	RunNo: 70950					
Client ID: BATCH	Batch ID: 34247				Analysis Date: 11/1/2021	SeqNo: 1443516					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.893	0.0227	0.9095	0	98.2	50.3	134				
1,1-Dichloroethene	0.904	0.0909	0.9095	0	99.4	62.2	138				

Work Order: 2111023
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110473-008BMS	SampType: MS	Units: mg/Kg				Prep Date: 11/1/2021	RunNo: 70950				
Client ID: BATCH	Batch ID: 34247					Analysis Date: 11/1/2021	SeqNo: 1443516				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	0.908	0.0273	0.9095	0	99.8	70.2	132				
cis-1,2-Dichloroethene	0.894	0.0227	0.9095	0	98.3	79.6	125				
Trichloroethene (TCE)	0.902	0.0182	0.9095	0	99.1	78.9	132				
Tetrachloroethene (PCE)	0.900	0.0364	0.9095	0	99.0	77.7	131				
Surr: Dibromofluoromethane	1.15		1.137		102	75.5	119				
Surr: Toluene-d8	1.12		1.137		98.1	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.137		104	78.5	118				

Client Name: AC	Work Order Number: 2111023
Logged by: Clare Griggs	Date Received: 11/1/2021 3:26:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

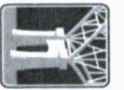
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/1/21 Page: 1 of 1
 Project Name: Scholtzer
 Project No: 190298
 Laboratory Project No (Internal): 211023

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone: 316-617-0494

Fax:

Collected by: JTB

Location:

Report To (PM): Ali Cochrane

Sample Disposal: Return to client Disposal by lab (after 30 days)

PM Email: caldrup@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes											Comments											
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 - SIM)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***		EDB (8011)										
1 Art-WZ1-WD1-113	11/1/21	1100	Soil	3																							
2 Art-WZ2-WD4-113		1105																									
3 Art-LJ19-WD2-113		1110																									
4 Art-LJ23-WD3-113		1115																									
5 Art-N12-WD6-110		1125																									
6 Art-N19-A19-110		1130																									
7																											
8																											
9																											
10																											

**Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SI = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) [Signature] Print Name _____ Date/Time _____
 Relinquished (Signature) [Signature] Print Name _____ Date/Time _____



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2111042

November 03, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 11/2/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2111042**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2111042-001	Art-N17-W14-110	11/02/2021 10:00 AM	11/02/2021 1:23 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Associated LCS is outside of control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Method Detection Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 11/2/2021 10:00:00 AM

Project: Schnitzer Artise

Lab ID: 2111042-001

Matrix: Soil

Client Sample ID: Art-N17-W14-110

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34283

Analyst: CR

Vinyl chloride	ND	0.0423	0.0171		mg/Kg-dry	1	11/03/21 10:13:24
1,1-Dichloroethene	ND	0.169	0.0786		mg/Kg-dry	1	11/03/21 10:13:24
trans-1,2-Dichloroethene	ND	0.0508	0.00735		mg/Kg-dry	1	11/03/21 10:13:24
cis-1,2-Dichloroethene	ND	0.0423	0.0109		mg/Kg-dry	1	11/03/21 10:13:24
Trichloroethene (TCE)	ND	0.0339	0.0135		mg/Kg-dry	1	11/03/21 10:13:24
Tetrachloroethene (PCE)	0.0489	0.0678	0.00798	J	mg/Kg-dry	1	11/03/21 10:13:24
Surr: Dibromofluoromethane	93.4	75.5 - 119	0		%Rec	1	11/03/21 10:13:24
Surr: Toluene-d8	98.5	82.4 - 115	0		%Rec	1	11/03/21 10:13:24
Surr: 1-Bromo-4-fluorobenzene	99.6	78.5 - 118	0		%Rec	1	11/03/21 10:13:24

Sample Moisture (Percent Moisture)

Batch ID: R70973

Analyst: ALB

Percent Moisture	6.81	0.500	0.100		wt%	1	11/03/21 9:07:44
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Work Order: 2111042
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34283	SampType: LCS	Units: mg/Kg				Prep Date: 11/3/2021	RunNo: 70981				
Client ID: LCSS	Batch ID: 34283					Analysis Date: 11/3/2021	SeqNo: 1444210				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.06	0.0250	1.000	0	106	80	120				
1,1-Dichloroethene	0.989	0.100	1.000	0	98.9	80	120				
trans-1,2-Dichloroethene	0.964	0.0300	1.000	0	96.4	80	120				
cis-1,2-Dichloroethene	0.946	0.0250	1.000	0	94.6	80	120				
Trichloroethene (TCE)	0.957	0.0200	1.000	0	95.7	80	120				
Tetrachloroethene (PCE)	0.982	0.0400	1.000	0	98.2	80	120				
Surr: Dibromofluoromethane	1.28		1.250		102	75.5	120				
Surr: Toluene-d8	1.22		1.250		97.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	78.5	120				

Sample ID: MB-34283	SampType: MBLK	Units: mg/Kg				Prep Date: 11/3/2021	RunNo: 70981				
Client ID: MBLKS	Batch ID: 34283					Analysis Date: 11/3/2021	SeqNo: 1444206				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.20		1.250		95.6	75.5	119				
Surr: Toluene-d8	1.23		1.250		98.1	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	78.5	118				

Sample ID: 2111042-001BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 11/3/2021	RunNo: 70981				
Client ID: Art-N17-W14-110	Batch ID: 34283					Analysis Date: 11/3/2021	SeqNo: 1444208				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.43	0.0423	1.694	0	84.4	50.3	134				

Work Order: 2111042
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2111042-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/3/2021	RunNo: 70981							
Client ID: Art-N17-W14-110	Batch ID: 34283		Analysis Date: 11/3/2021	SeqNo: 1444208							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	1.49	0.169	1.694	0	87.9	62.2	138				
trans-1,2-Dichloroethene	1.56	0.0508	1.694	0	92.0	70.2	132				
cis-1,2-Dichloroethene	1.56	0.0423	1.694	0	92.0	79.6	125				
Trichloroethene (TCE)	1.57	0.0339	1.694	0	92.9	78.9	132				
Tetrachloroethene (PCE)	1.64	0.0678	1.694	0.04890	93.9	77.7	131				
Surr: Dibromofluoromethane	2.15		2.117		102	75.5	119				
Surr: Toluene-d8	2.06		2.117		97.3	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	2.21		2.117		105	78.5	118				

Sample ID: LCSD-34283	SampType: LCSD	Units: mg/Kg	Prep Date: 11/3/2021	RunNo: 70981							
Client ID: LCSS02	Batch ID: 34283		Analysis Date: 11/3/2021	SeqNo: 1444209							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.11	0.0250	1.000	0	111	80	120	1.059	4.95	20	
1,1-Dichloroethene	1.02	0.100	1.000	0	102	80	120	0.9890	2.88	20	
trans-1,2-Dichloroethene	0.983	0.0300	1.000	0	98.3	80	120	0.9635	2.00	20	
cis-1,2-Dichloroethene	0.968	0.0250	1.000	0	96.8	80	120	0.9461	2.24	20	
Trichloroethene (TCE)	0.980	0.0200	1.000	0	98.0	80	120	0.9572	2.35	20	
Tetrachloroethene (PCE)	1.01	0.0400	1.000	0	101	80	120	0.9816	3.03	20	
Surr: Dibromofluoromethane	1.27		1.250		101	75.5	120		0		
Surr: Toluene-d8	1.22		1.250		97.9	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	78.5	120		0		

Client Name: **AC**

 Work Order Number: **2111042**

 Logged by: **Clare Griggs**

 Date Received: **11/2/2021 1:23:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	3.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont

Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/2/21
Page: 1 of 1
Project Name: Schnitzer
Project No: 190298
Collected by: JZB

Client: Aspet Consulting
Address:
City, State, Zip:
Telephone: 316 617 0499
Fax:
Location:
Report to (PM): All Cashmere
PM Email: ceechene

Laboratory Project No (Internal): 2411042
Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	<input type="checkbox"/> VOCs (EPA 8260 / 624) <input type="checkbox"/> BTEX <input type="checkbox"/> Gasoline Range Organics (GX) <input type="checkbox"/> Hydrocarbon Identification (HCD) <input type="checkbox"/> Diesel/Heavy Oil Range Organics (DX) <input type="checkbox"/> SVOCs (EPA 8270 / 625) <input type="checkbox"/> PAHs (EPA 8270 - SIM) <input type="checkbox"/> PCBs (EPA 8082 / 608) <input type="checkbox"/> Metals** (EPA 6020 / 200.8) <input type="checkbox"/> Total (T) Dissolved (D) <input type="checkbox"/> Anions (IC)*** <input type="checkbox"/> EDB (8011)	Comments
1 Art-NI3-W/4-110	11/2/21	1000	S01	3	<input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> M	
2						
3						
4						
5						
6						
7						
8						
9						
10						

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCHA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time: Standard Next Day 3 Day Same Day (specify) _____

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Toni Blask	11/2/21	<i>[Signature]</i>	Alex Trigo	11/02/21 13:23



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2111109

November 05, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 11/4/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2111109

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2111109-001	Art-N18-W14-110	11/04/2021 11:10 AM	11/04/2021 2:09 PM
2111109-002	Art-N19-W14-110	11/04/2021 11:15 AM	11/04/2021 2:09 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 11/4/2021 11:10:00 AM

Project: Schnitzer Artise

Lab ID: 2111109-001

Matrix: Soil

Client Sample ID: Art-N18-W14-110

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34321

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0336		mg/Kg-dry	1	11/5/2021 7:21:42 AM
Surr: Dibromofluoromethane	96.1	75.5 - 119		%Rec	1	11/5/2021 7:21:42 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	11/5/2021 7:21:42 AM
Surr: 1-Bromo-4-fluorobenzene	96.8	78.5 - 118		%Rec	1	11/5/2021 7:21:42 AM

Sample Moisture (Percent Moisture)

Batch ID: R71049

Analyst: cb

Percent Moisture	9.98	0.500		wt%	1	11/5/2021 9:09:37 AM
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Work Order: 2111109
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34321	SampType: LCS	Units: µg/L	Prep Date: 11/4/2021	RunNo: 71055							
Client ID: LCSS	Batch ID: 34321		Analysis Date: 11/5/2021	SeqNo: 1446088							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.962	0.0400	1.000	0	96.2	80	120				
Surr: Dibromofluoromethane	1.26		1.250		100	75.5	120				
Surr: Toluene-d8	1.22		1.250		97.7	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	78.5	120				

Sample ID: MB-34321	SampType: MBLK	Units: mg/Kg	Prep Date: 11/4/2021	RunNo: 71055							
Client ID: MBLKS	Batch ID: 34321		Analysis Date: 11/5/2021	SeqNo: 1446075							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.19		1.250		95.5	75.5	119				
Surr: Toluene-d8	1.26		1.250		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.0	78.5	118				

Sample ID: 2111053-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/4/2021	RunNo: 71055							
Client ID: BATCH	Batch ID: 34321		Analysis Date: 11/5/2021	SeqNo: 1446079							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0348						0		30	
Surr: Dibromofluoromethane	1.03		1.089		94.8	75.5	119		0		
Surr: Toluene-d8	1.11		1.089		102	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.04		1.089		95.6	78.5	118		0		

Sample ID: 2111053-008BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/4/2021	RunNo: 71055							
Client ID: BATCH	Batch ID: 34321		Analysis Date: 11/5/2021	SeqNo: 1446086							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.14	0.0469	1.173	0	97.0	77.7	131				
Surr: Dibromofluoromethane	1.52		1.466		104	75.5	119				

Work Order: 2111109
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2111053-008BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/4/2021	RunNo: 71055							
Client ID: BATCH	Batch ID: 34321		Analysis Date: 11/5/2021	SeqNo: 1446086							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.48		1.466		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.53		1.466		104	78.5	118				

Client Name: **AC**

 Work Order Number: **2111109**

 Logged by: **Clare Griggs**

 Date Received: **11/4/2021 2:09:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
ANALYTICAL

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/3/2021

Page: 1 of 1

Laboratory Project No (Internal):

211109

Project Name: The Artise

Project No: 190298

Collected by: MMR

Location:

Report to (PM): Jessica Smith

PM Email: jsmith@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Special Remarks:

Client: Aspect Consulting
Address: 710 2nd Ave Suite 550
City, State, Zip: Seattle, WA 98104
Telephone: 206.423.8289
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes										Comments		
					VOCS (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DY)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6010 / 200.8)	Total (T) / Dissolved (D)		Anions (IC)**	EPB (8011)
1 ART-N18-W14-110	11/4/21	1110	soil	3													1-Day TAT
2 ART-N19-W14-110	11/4/21	1115	soil	3													2-Day TAT *PCE
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sp Se Sr Sn Tl V Zn
Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Reinquished (Signature) *Monique Rutte* Print Name: Monique Rutte Date/Time: 11/4/21 1215
 Received (Signature) *Justine Natic* Print Name: Justine Natic Date/Time: 11/4 14:09
 Reinquished (Signature) _____ Print Name: _____ Date/Time: _____



Fremont
ANALYTICAL

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/3/2021

Page: 1 of 1

Laboratory Project No (Internal):

211109

Project Name: The Artise

Project No: 190298

Collected by: MMR

Location:

Report to (PM): Jessica Smith

PM Email: jsmith@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Special Remarks:

Client: Aspect Consulting
Address: 710 2nd Ave Suite 550
City, State, Zip: Seattle, WA 98104
Telephone: 206.423.8289
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCS (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DY)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6010 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 ART-N18-W14-110	11/4/21	1110	soil	3													1-Day TAT
2 ART-N19-W14-110	11/4/21	1115	soil	3													2-Day TAT Cancel per MLK *PCE mwdl 11/5/21
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sp Se Sr Sn Tl V Zn
Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Reinquished (Signature) *Monique Rutte* Print Name: Monique Rutte Date/Time: 11/4/21 1215

Received (Signature) *Justine Natic* Print Name: Justine Natic Date/Time: 11/4 14:09

Turn-around Time: Standard Next Day 3 Day Same Day 2 Day (specify)



Aspect Consulting

Jessica Smith
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2111173

November 09, 2021

Attention Jessica Smith:

Fremont Analytical, Inc. received 2 sample(s) on 11/8/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Ali Cochrane

Daniel Babcock

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2111173

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2111173-001	ART-N02-W03-113	11/08/2021 1:30 PM	11/08/2021 3:17 PM
2111173-002	ART-TB-20	10/14/2021 10:27 AM	11/08/2021 3:17 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2111173-001

Collection Date: 11/8/2021 1:30:00 PM

Client Sample ID: ART-N02-W03-113

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34370

Analyst: CR

Tetrachloroethene (PCE)	0.0190	0.0177		mg/Kg-dry	1	11/9/2021 1:15:33 PM
Surr: Dibromofluoromethane	96.4	75.5 - 119		%Rec	1	11/9/2021 1:15:33 PM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	11/9/2021 1:15:33 PM
Surr: 1-Bromo-4-fluorobenzene	96.3	78.5 - 118		%Rec	1	11/9/2021 1:15:33 PM

Sample Moisture (Percent Moisture)

Batch ID: R71125

Analyst: ALB

Percent Moisture	9.97	0.500		wt%	1	11/9/2021 9:34:40 AM
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Lab ID: 2111173-002

Collection Date: 10/14/2021 10:27:00 AM

Client Sample ID: ART-TB-20

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34370

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0159	H	mg/Kg	1	11/9/2021 12:44:24 PM
Surr: Dibromofluoromethane	97.0	75.5 - 119	H	%Rec	1	11/9/2021 12:44:24 PM
Surr: Toluene-d8	102	82.4 - 115	H	%Rec	1	11/9/2021 12:44:24 PM
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118	H	%Rec	1	11/9/2021 12:44:24 PM

Work Order: 2111173
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34370	SampType: LCS	Units: µg/L				Prep Date: 11/9/2021	RunNo: 71141				
Client ID: LCSS	Batch ID: 34370					Analysis Date: 11/9/2021	SeqNo: 1447885				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.945	0.0400	1.000	0	94.5	80	120				
Surr: Dibromofluoromethane	1.30		1.250		104	75.5	120				
Surr: Toluene-d8	1.27		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	78.5	120				

Sample ID: MB-34370	SampType: MBLK	Units: mg/Kg				Prep Date: 11/9/2021	RunNo: 71141				
Client ID: MBLKS	Batch ID: 34370					Analysis Date: 11/9/2021	SeqNo: 1447880				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.20		1.250		96.3	75.5	119				
Surr: Toluene-d8	1.27		1.250		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	78.5	118				

Sample ID: 2111173-001BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 11/9/2021	RunNo: 71141				
Client ID: ART-N02-W03-113	Batch ID: 34370					Analysis Date: 11/9/2021	SeqNo: 1447883				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.454	0.0177	0.4420	0.01902	98.3	77.7	131				
Surr: Dibromofluoromethane	0.579		0.5526		105	75.5	119				
Surr: Toluene-d8	0.559		0.5526		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.581		0.5526		105	78.5	118				

Sample ID: LCSD-34370	SampType: LCSD	Units: mg/Kg				Prep Date: 11/9/2021	RunNo: 71141				
Client ID: LCSS02	Batch ID: 34370					Analysis Date: 11/9/2021	SeqNo: 1447884				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.965	0.0400	1.000	0	96.5	80	120	0.9454	2.05	20	
Surr: Dibromofluoromethane	1.31		1.250		104	75.5	120		0		

Work Order: 2111173
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCSD-34370	SampType: LCSD	Units: mg/Kg	Prep Date: 11/9/2021	RunNo: 71141							
Client ID: LCSS02	Batch ID: 34370		Analysis Date: 11/9/2021	SeqNo: 1447884							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.25		1.250		100	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	78.5	120		0		

Client Name: AC	Work Order Number: 2111173
Logged by: Gabrielle Coeulle	Date Received: 11/8/2021 3:17:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA

Samples were collected the same day and chilled.

8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	7.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/8/2021 Page: 1 of 1 Laboratory Project No (Internal): **2111172**

Project Name: The Artise Special Remarks:

Client: Aspect Consulting Project No: 190298

Address: 710 2nd Ave Suite 550 Collected by: MMR

City, State, zip: Seattle, WA 98104 Location:

Telephone: 206.423.8289 Report To (PM): Jessica Smith

Fax: PM Email: jsmith@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (Cl)***	EDB (8011)	Comments
1 ART-N02-W03-113	11/8/21	1330	soil	3													1-Day TAT
2 ART-TB-20	11/8/21	1330	soil	3													1-Day TAT *PCE
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature) _____ Print Name _____ Date/Time _____
 *Monique Rutte Monique Rutte 11/8/21 1430
 Relinquished (Signature) _____ Print Name _____ Date/Time _____
 x _____ x _____



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2111220

November 11, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 11/10/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2111220

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2111220-001	Art-N03-W03-113	11/10/2021 7:50 AM	11/10/2021 1:14 PM
2111220-002	Art-N23-W07-100	11/10/2021 8:00 AM	11/10/2021 1:14 PM
2111220-003	Art-W09-W10-120	11/10/2021 12:10 PM	11/10/2021 1:14 PM
2111220-004	Art-N04-W03-113	11/10/2021 12:20 PM	11/10/2021 1:14 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2111220-001

Collection Date: 11/10/2021 7:50:00 AM

Client Sample ID: Art-N03-W03-113

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34392

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0287		mg/Kg-dry	1	11/10/2021 11:47:59 PM
Surr: Dibromofluoromethane	95.0	75.5 - 119		%Rec	1	11/10/2021 11:47:59 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	11/10/2021 11:47:59 PM
Surr: 1-Bromo-4-fluorobenzene	96.9	78.5 - 118		%Rec	1	11/10/2021 11:47:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R71178

Analyst: ALB

Percent Moisture	8.98	0.500		wt%	1	11/10/2021 4:30:56 PM
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Lab ID: 2111220-002

Collection Date: 11/10/2021 8:00:00 AM

Client Sample ID: Art-N23-W07-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34392

Analyst: CR

Vinyl chloride	ND	0.0273		mg/Kg-dry	1	11/11/2021 12:50:02 AM
trans-1,2-Dichloroethene	ND	0.0327		mg/Kg-dry	1	11/11/2021 12:50:02 AM
cis-1,2-Dichloroethene	ND	0.0273		mg/Kg-dry	1	11/11/2021 12:50:02 AM
Trichloroethene (TCE)	ND	0.0218		mg/Kg-dry	1	11/11/2021 12:50:02 AM
Tetrachloroethene (PCE)	ND	0.0437		mg/Kg-dry	1	11/11/2021 12:50:02 AM
Surr: Dibromofluoromethane	93.9	75.5 - 119		%Rec	1	11/11/2021 12:50:02 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	11/11/2021 12:50:02 AM
Surr: 1-Bromo-4-fluorobenzene	99.7	78.5 - 118		%Rec	1	11/11/2021 12:50:02 AM

Sample Moisture (Percent Moisture)

Batch ID: R71178

Analyst: ALB

Percent Moisture	12.6	0.500		wt%	1	11/10/2021 4:30:56 PM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2111220-003

Collection Date: 11/10/2021 12:10:00 PM

Client Sample ID: Art-W09-W10-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34392

Analyst: CR

Vinyl chloride	ND	0.0266		mg/Kg-dry	1	11/11/2021 1:21:04 AM
trans-1,2-Dichloroethene	ND	0.0319		mg/Kg-dry	1	11/11/2021 1:21:04 AM
cis-1,2-Dichloroethene	ND	0.0266		mg/Kg-dry	1	11/11/2021 1:21:04 AM
Trichloroethene (TCE)	ND	0.0213		mg/Kg-dry	1	11/11/2021 1:21:04 AM
Tetrachloroethene (PCE)	ND	0.0426		mg/Kg-dry	1	11/11/2021 1:21:04 AM
Surr: Dibromofluoromethane	94.1	75.5 - 119		%Rec	1	11/11/2021 1:21:04 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	11/11/2021 1:21:04 AM
Surr: 1-Bromo-4-fluorobenzene	97.3	78.5 - 118		%Rec	1	11/11/2021 1:21:04 AM

Sample Moisture (Percent Moisture)

Batch ID: R71178

Analyst: ALB

Percent Moisture	12.5	0.500		wt%	1	11/10/2021 4:30:56 PM
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Work Order: 2111220
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34392	SampType: LCS	Units: mg/Kg				Prep Date: 11/10/2021	RunNo: 71182				
Client ID: LCSS	Batch ID: 34392					Analysis Date: 11/10/2021	SeqNo: 1449129				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.14	0.0250	1.000	0	114	80	120				
trans-1,2-Dichloroethene	0.971	0.0300	1.000	0	97.1	80	120				
cis-1,2-Dichloroethene	0.964	0.0250	1.000	0	96.4	80	120				
Trichloroethene (TCE)	0.961	0.0200	1.000	0	96.1	80	120				
Tetrachloroethene (PCE)	0.950	0.0400	1.000	0	95.0	80	120				
Surr: Dibromofluoromethane	1.29		1.250		103	75.5	120				
Surr: Toluene-d8	1.25		1.250		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.250		104	78.5	120				

Sample ID: MB-34392	SampType: MBLK	Units: mg/Kg				Prep Date: 11/10/2021	RunNo: 71182				
Client ID: MBLKS	Batch ID: 34392					Analysis Date: 11/10/2021	SeqNo: 1449122				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.17		1.250		93.4	75.5	119				
Surr: Toluene-d8	1.25		1.250		100	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.5	78.5	118				

Sample ID: 2111220-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 11/10/2021	RunNo: 71182				
Client ID: Art-N03-W03-113	Batch ID: 34392					Analysis Date: 11/11/2021	SeqNo: 1449124				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0180						0		30	
trans-1,2-Dichloroethene	ND	0.0215						0		30	
cis-1,2-Dichloroethene	ND	0.0180						0		30	

Work Order: 2111220
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2111220-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/10/2021	RunNo: 71182							
Client ID: Art-N03-W03-113	Batch ID: 34392		Analysis Date: 11/11/2021	SeqNo: 1449124							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0144						0		30	
Tetrachloroethene (PCE)	ND	0.0287						0		30	
Surr: Dibromofluoromethane	0.862		0.8977		96.0	75.5	119		0		
Surr: Toluene-d8	0.908		0.8977		101	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.913		0.8977		102	78.5	118		0		

Sample ID: 2111220-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/10/2021	RunNo: 71182							
Client ID: Art-W09-W10-120	Batch ID: 34392		Analysis Date: 11/11/2021	SeqNo: 1449127							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.26	0.0266	1.064	0	118	50.3	134				
trans-1,2-Dichloroethene	1.03	0.0319	1.064	0	96.5	70.2	132				
cis-1,2-Dichloroethene	1.06	0.0266	1.064	0	100	79.6	125				
Trichloroethene (TCE)	1.06	0.0213	1.064	0	100	78.9	132				
Tetrachloroethene (PCE)	1.04	0.0426	1.064	0	97.9	77.7	131				
Surr: Dibromofluoromethane	1.37		1.330		103	75.5	119				
Surr: Toluene-d8	1.34		1.330		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.40		1.330		105	78.5	118				

Client Name: AC	Work Order Number: 2111220
Logged by: Brianna Barnes	Date Received: 11/10/2021 1:14:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	3.5

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2111243

November 12, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 8 sample(s) on 11/11/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2111243

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2111243-001	Art-W14-W15-120	11/11/2021 7:15 AM	11/11/2021 12:31 PM
2111243-002	Art-N99-W99-120	11/11/2021 7:20 AM	11/11/2021 12:31 PM
2111243-003	Art-W18-W19-120	11/11/2021 7:25 AM	11/11/2021 12:31 PM
2111243-004	Art-W21-W22-120	11/11/2021 7:30 AM	11/11/2021 12:31 PM
2111243-005	Art-W24-W25-120	11/11/2021 7:35 AM	11/11/2021 12:31 PM
2111243-006	Art-N04-N05-120	11/11/2021 7:40 AM	11/11/2021 12:31 PM
2111243-007	Art-N10-N11-120	11/11/2021 7:45 AM	11/11/2021 12:31 PM
2111243-008	Art-N31-W03-100	11/11/2021 8:00 AM	11/11/2021 12:31 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111243-001

Collection Date: 11/11/2021 7:15:00 AM

Client Sample ID: Art-W14-W15-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34413

Analyst: TN

Vinyl chloride	ND	0.0591		mg/Kg-dry	1	11/12/2021 6:50:55 AM
trans-1,2-Dichloroethene	ND	0.0709		mg/Kg-dry	1	11/12/2021 6:50:55 AM
cis-1,2-Dichloroethene	ND	0.0591		mg/Kg-dry	1	11/12/2021 6:50:55 AM
Trichloroethene (TCE)	ND	0.0473		mg/Kg-dry	1	11/12/2021 6:50:55 AM
Tetrachloroethene (PCE)	0.369	0.0945		mg/Kg-dry	1	11/12/2021 6:50:55 AM
Surr: Dibromofluoromethane	97.2	75.5 - 119		%Rec	1	11/12/2021 6:50:55 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	11/12/2021 6:50:55 AM
Surr: 1-Bromo-4-fluorobenzene	97.5	78.5 - 118		%Rec	1	11/12/2021 6:50:55 AM

Sample Moisture (Percent Moisture)

Batch ID: R71206

Analyst: KJ

Percent Moisture	13.4	0.500		wt%	1	11/11/2021 2:19:37 PM
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Lab ID: 2111243-002

Collection Date: 11/11/2021 7:20:00 AM

Client Sample ID: Art-N99-W99-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34413

Analyst: TN

Vinyl chloride	ND	0.0579		mg/Kg-dry	1	11/12/2021 7:22:02 AM
trans-1,2-Dichloroethene	ND	0.0695		mg/Kg-dry	1	11/12/2021 7:22:02 AM
cis-1,2-Dichloroethene	ND	0.0579		mg/Kg-dry	1	11/12/2021 7:22:02 AM
Trichloroethene (TCE)	ND	0.0463		mg/Kg-dry	1	11/12/2021 7:22:02 AM
Tetrachloroethene (PCE)	ND	0.0927		mg/Kg-dry	1	11/12/2021 7:22:02 AM
Surr: Dibromofluoromethane	190	75.5 - 119	S	%Rec	1	11/12/2021 7:22:02 AM
Surr: Toluene-d8	201	82.4 - 115	S	%Rec	1	11/12/2021 7:22:02 AM
Surr: 1-Bromo-4-fluorobenzene	197	78.5 - 118	S	%Rec	1	11/12/2021 7:22:02 AM

NOTES:

S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample Moisture (Percent Moisture)

Batch ID: R71206

Analyst: KJ

Percent Moisture	14.0	0.500		wt%	1	11/11/2021 2:19:37 PM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111243-003

Collection Date: 11/11/2021 7:25:00 AM

Client Sample ID: Art-W18-W19-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34413

Analyst: TN

Vinyl chloride	ND	0.0240		mg/Kg-dry	1	11/12/2021 7:53:14 AM
trans-1,2-Dichloroethene	ND	0.0288		mg/Kg-dry	1	11/12/2021 7:53:14 AM
cis-1,2-Dichloroethene	ND	0.0240		mg/Kg-dry	1	11/12/2021 7:53:14 AM
Trichloroethene (TCE)	ND	0.0192		mg/Kg-dry	1	11/12/2021 7:53:14 AM
Tetrachloroethene (PCE)	0.0894	0.0385		mg/Kg-dry	1	11/12/2021 7:53:14 AM
Surr: Dibromofluoromethane	95.0	75.5 - 119		%Rec	1	11/12/2021 7:53:14 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	11/12/2021 7:53:14 AM
Surr: 1-Bromo-4-fluorobenzene	97.3	78.5 - 118		%Rec	1	11/12/2021 7:53:14 AM

Sample Moisture (Percent Moisture)

Batch ID: R71206

Analyst: KJ

Percent Moisture	12.0	0.500		wt%	1	11/11/2021 2:19:37 PM
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Lab ID: 2111243-004

Collection Date: 11/11/2021 7:30:00 AM

Client Sample ID: Art-W21-W22-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34413

Analyst: TN

Vinyl chloride	ND	0.0307		mg/Kg-dry	1	11/12/2021 8:24:25 AM
trans-1,2-Dichloroethene	ND	0.0369		mg/Kg-dry	1	11/12/2021 8:24:25 AM
cis-1,2-Dichloroethene	ND	0.0307		mg/Kg-dry	1	11/12/2021 8:24:25 AM
Trichloroethene (TCE)	ND	0.0246		mg/Kg-dry	1	11/12/2021 8:24:25 AM
Tetrachloroethene (PCE)	ND	0.0491		mg/Kg-dry	1	11/12/2021 8:24:25 AM
Surr: Dibromofluoromethane	94.2	75.5 - 119		%Rec	1	11/12/2021 8:24:25 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	11/12/2021 8:24:25 AM
Surr: 1-Bromo-4-fluorobenzene	95.9	78.5 - 118		%Rec	1	11/12/2021 8:24:25 AM

Sample Moisture (Percent Moisture)

Batch ID: R71206

Analyst: KJ

Percent Moisture	16.3	0.500		wt%	1	11/11/2021 2:19:37 PM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111243-005

Collection Date: 11/11/2021 7:35:00 AM

Client Sample ID: Art-W24-W25-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34413

Analyst: TN

Vinyl chloride	ND	0.0207		mg/Kg-dry	1	11/12/2021 9:26:35 AM
trans-1,2-Dichloroethene	ND	0.0248		mg/Kg-dry	1	11/12/2021 9:26:35 AM
cis-1,2-Dichloroethene	ND	0.0207		mg/Kg-dry	1	11/12/2021 9:26:35 AM
Trichloroethene (TCE)	ND	0.0165		mg/Kg-dry	1	11/12/2021 9:26:35 AM
Tetrachloroethene (PCE)	0.0867	0.0331		mg/Kg-dry	1	11/12/2021 9:26:35 AM
Surr: Dibromofluoromethane	95.3	75.5 - 119		%Rec	1	11/12/2021 9:26:35 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	11/12/2021 9:26:35 AM
Surr: 1-Bromo-4-fluorobenzene	98.0	78.5 - 118		%Rec	1	11/12/2021 9:26:35 AM

Sample Moisture (Percent Moisture)

Batch ID: R71206

Analyst: KJ

Percent Moisture	13.4	0.500		wt%	1	11/11/2021 2:19:37 PM
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Lab ID: 2111243-006

Collection Date: 11/11/2021 7:40:00 AM

Client Sample ID: Art-N04-N05-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34413

Analyst: TN

Vinyl chloride	ND	0.0197		mg/Kg-dry	1	11/12/2021 9:57:41 AM
trans-1,2-Dichloroethene	ND	0.0237		mg/Kg-dry	1	11/12/2021 9:57:41 AM
cis-1,2-Dichloroethene	ND	0.0197		mg/Kg-dry	1	11/12/2021 9:57:41 AM
Trichloroethene (TCE)	ND	0.0158		mg/Kg-dry	1	11/12/2021 9:57:41 AM
Tetrachloroethene (PCE)	0.0744	0.0316		mg/Kg-dry	1	11/12/2021 9:57:41 AM
Surr: Dibromofluoromethane	97.0	75.5 - 119		%Rec	1	11/12/2021 9:57:41 AM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	11/12/2021 9:57:41 AM
Surr: 1-Bromo-4-fluorobenzene	99.3	78.5 - 118		%Rec	1	11/12/2021 9:57:41 AM

Sample Moisture (Percent Moisture)

Batch ID: R71206

Analyst: KJ

Percent Moisture	11.8	0.500		wt%	1	11/11/2021 2:19:37 PM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111243-007

Collection Date: 11/11/2021 7:45:00 AM

Client Sample ID: Art-N10-N11-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34413

Analyst: TN

Vinyl chloride	ND	0.0171		mg/Kg-dry	1	11/12/2021 10:28:53 AM
trans-1,2-Dichloroethene	ND	0.0205		mg/Kg-dry	1	11/12/2021 10:28:53 AM
cis-1,2-Dichloroethene	ND	0.0171		mg/Kg-dry	1	11/12/2021 10:28:53 AM
Trichloroethene (TCE)	ND	0.0137		mg/Kg-dry	1	11/12/2021 10:28:53 AM
Tetrachloroethene (PCE)	0.0375	0.0274		mg/Kg-dry	1	11/12/2021 10:28:53 AM
Surr: Dibromofluoromethane	96.3	75.5 - 119		%Rec	1	11/12/2021 10:28:53 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	11/12/2021 10:28:53 AM
Surr: 1-Bromo-4-fluorobenzene	97.9	78.5 - 118		%Rec	1	11/12/2021 10:28:53 AM

Sample Moisture (Percent Moisture)

Batch ID: R71206

Analyst: KJ

Percent Moisture	13.8	0.500		wt%	1	11/11/2021 2:19:37 PM
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Lab ID: 2111243-008

Collection Date: 11/11/2021 8:00:00 AM

Client Sample ID: Art-N31-W03-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34413

Analyst: TN

Vinyl chloride	ND	0.0207		mg/Kg-dry	1	11/12/2021 11:00:04 AM
trans-1,2-Dichloroethene	ND	0.0249		mg/Kg-dry	1	11/12/2021 11:00:04 AM
cis-1,2-Dichloroethene	ND	0.0207		mg/Kg-dry	1	11/12/2021 11:00:04 AM
Trichloroethene (TCE)	ND	0.0166		mg/Kg-dry	1	11/12/2021 11:00:04 AM
Tetrachloroethene (PCE)	ND	0.0331		mg/Kg-dry	1	11/12/2021 11:00:04 AM
Surr: Dibromofluoromethane	95.4	75.5 - 119		%Rec	1	11/12/2021 11:00:04 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	11/12/2021 11:00:04 AM
Surr: 1-Bromo-4-fluorobenzene	97.4	78.5 - 118		%Rec	1	11/12/2021 11:00:04 AM

Sample Moisture (Percent Moisture)

Batch ID: R71206

Analyst: KJ

Percent Moisture	12.3	0.500		wt%	1	11/11/2021 2:19:37 PM
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Work Order: 2111243
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34413	SampType: LCS	Units: mg/Kg				Prep Date: 11/11/2021	RunNo: 71242				
Client ID: LCSS	Batch ID: 34413					Analysis Date: 11/12/2021	SeqNo: 1450224				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.24	0.0250	1.000	0	124	80	120				S
trans-1,2-Dichloroethene	1.06	0.0300	1.000	0	106	80	120				
cis-1,2-Dichloroethene	0.983	0.0250	1.000	0	98.3	80	120				
Trichloroethene (TCE)	0.972	0.0200	1.000	0	97.2	80	120				
Tetrachloroethene (PCE)	0.969	0.0400	1.000	0	96.9	80	120				
Surr: Dibromofluoromethane	1.31		1.250		105	75.5	120				
Surr: Toluene-d8	1.25		1.250		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	78.5	120				

NOTES:

S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: MB-34413	SampType: MBLK	Units: mg/Kg				Prep Date: 11/11/2021	RunNo: 71242				
Client ID: MBLKS	Batch ID: 34413					Analysis Date: 11/12/2021	SeqNo: 1450207				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.21		1.250		97.2	75.5	119				
Surr: Toluene-d8	1.26		1.250		100	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.6	78.5	118				

Sample ID: 2111135-003BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 11/11/2021	RunNo: 71242				
Client ID: BATCH	Batch ID: 34413					Analysis Date: 11/12/2021	SeqNo: 1450211				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0312						0		30	
trans-1,2-Dichloroethene	ND	0.0374						0		30	

Work Order: 2111243
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2111135-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/11/2021	RunNo: 71242							
Client ID: BATCH	Batch ID: 34413		Analysis Date: 11/12/2021	SeqNo: 1450211							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	ND	0.0312						0		30	
Trichloroethene (TCE)	ND	0.0249						0		30	
Tetrachloroethene (PCE)	ND	0.0499						0		30	
Surr: Dibromofluoromethane	1.49		1.558		95.6	75.5	119		0		
Surr: Toluene-d8	1.58		1.558		101	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.51		1.558		96.8	78.5	118		0		

Sample ID: 2111243-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/11/2021	RunNo: 71242							
Client ID: Art-W21-W22-120	Batch ID: 34413		Analysis Date: 11/12/2021	SeqNo: 1450218							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0307						0		30	
trans-1,2-Dichloroethene	ND	0.0369						0		30	
cis-1,2-Dichloroethene	ND	0.0307						0		30	
Trichloroethene (TCE)	ND	0.0246						0		30	
Tetrachloroethene (PCE)	ND	0.0491						0		30	
Surr: Dibromofluoromethane	1.42		1.535		92.7	75.5	119		0		
Surr: Toluene-d8	1.55		1.535		101	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.50		1.535		97.7	78.5	118		0		

Sample ID: 2111135-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/11/2021	RunNo: 71242							
Client ID: BATCH	Batch ID: 34413		Analysis Date: 11/12/2021	SeqNo: 1450223							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.15	0.0326	1.304	0	88.0	50.3	134				
trans-1,2-Dichloroethene	1.17	0.0391	1.304	0	89.9	70.2	132				
cis-1,2-Dichloroethene	1.14	0.0326	1.304	0	87.7	79.6	125				
Trichloroethene (TCE)	1.15	0.0261	1.304	0	87.9	78.9	132				
Tetrachloroethene (PCE)	1.12	0.0522	1.304	0	85.9	77.7	131				

Work Order: 2111243
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2111135-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/11/2021	RunNo: 71242							
Client ID: BATCH	Batch ID: 34413		Analysis Date: 11/12/2021	SeqNo: 1450223							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	1.69		1.630		104	75.5	119			
Surr: Toluene-d8	1.64		1.630		101	82.4	115			
Surr: 1-Bromo-4-fluorobenzene	1.67		1.630		103	78.5	118			

Client Name: AC	Work Order Number: 2111243
Logged by: Gabrielle Coeuille	Date Received: 11/11/2021 12:31:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	2.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/11/21

Page: 1 of 1

Laboratory Project No (Internal):

211243

Special Remarks:

Client: *ALP&T CONSULTING*

Address:

City, State, Zip:

Telephone: 316.617.0199

Fax:

Location:

Report To (PM): *Melvin Land-Krebs, D*

PM Email: *MKrebs@alpatconsulting.com*

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes											Comments					
					VOCS (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydro-carbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DHO)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**		EDB (8011)				
1 Art-W14-U15-120	11/11/21	0715	Soil	3																	
2 Art-N99-U99-120		0720																			
3 Art-U13-U19-120		0725																			
4 Art-U21-U22-120		0730																			
5 Art-U24-U25-120		0735																			
6 Art-N01-N05-120		0740																			
7 Art-N10-N11-120		0745																			
8 Art-N31-N03-120		0800																			
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time: Standard Next Day 3 Day Same Day 2 Day (specify)

Relinquished (Signature)

Print Name

Date/Time

Received (Signature)

Print Name

Date/Time

Relinquished (Signature)

Print Name

Date/Time

Received (Signature)

Print Name

Date/Time



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2111542

November 30, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 9 sample(s) on 11/29/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2111542

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2111542-001	ART-W09-W10-110	11/29/2021 12:30 PM	11/29/2021 3:06 PM
2111542-002	ART-N99-W99-110	11/29/2021 12:30 PM	11/29/2021 3:06 PM
2111542-003	ART-W14-W15-110	11/29/2021 12:40 PM	11/29/2021 3:06 PM
2111542-004	ART-W18-W19-110	11/29/2021 12:45 PM	11/29/2021 3:06 PM
2111542-005	ART-W21-W22-110	11/29/2021 12:50 PM	11/29/2021 3:06 PM
2111542-006	ART-W24-W25-110	11/29/2021 12:55 PM	11/29/2021 3:06 PM
2111542-007	ART-N06-N07-110	11/29/2021 1:00 PM	11/29/2021 3:06 PM
2111542-008	ART-N10-N11-110	11/29/2021 1:05 PM	11/29/2021 3:06 PM
2111542-009	ART-TB-110	11/29/2021 1:10 PM	11/29/2021 3:06 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111542-001

Collection Date: 11/29/2021 12:30:00 PM

Client Sample ID: ART-W09-W10-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34567 Analyst: TN

Tetrachloroethene (PCE)	ND	0.0248		mg/Kg-dry	1	11/29/2021 8:45:47 PM
Surr: Dibromofluoromethane	100	75.5 - 119		%Rec	1	11/29/2021 8:45:47 PM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	11/29/2021 8:45:47 PM
Surr: 1-Bromo-4-fluorobenzene	95.3	78.5 - 118		%Rec	1	11/29/2021 8:45:47 PM

Sample Moisture (Percent Moisture)

Batch ID: R71599 Analyst: KJ

Percent Moisture	11.1	0.500		wt%	1	11/30/2021 11:18:16 AM
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Lab ID: 2111542-002

Collection Date: 11/29/2021 12:30:00 PM

Client Sample ID: ART-N99-W99-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34567 Analyst: TN

Tetrachloroethene (PCE)	ND	0.0263		mg/Kg-dry	1	11/29/2021 9:47:42 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	11/29/2021 9:47:42 PM
Surr: Toluene-d8	105	82.4 - 115		%Rec	1	11/29/2021 9:47:42 PM
Surr: 1-Bromo-4-fluorobenzene	96.1	78.5 - 118		%Rec	1	11/29/2021 9:47:42 PM

Sample Moisture (Percent Moisture)

Batch ID: R71599 Analyst: KJ

Percent Moisture	9.30	0.500		wt%	1	11/30/2021 11:18:16 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111542-003

Collection Date: 11/29/2021 12:40:00 PM

Client Sample ID: ART-W14-W15-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34567

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0204		mg/Kg-dry	1	11/29/2021 10:18:43 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	11/29/2021 10:18:43 PM
Surr: Toluene-d8	105	82.4 - 115		%Rec	1	11/29/2021 10:18:43 PM
Surr: 1-Bromo-4-fluorobenzene	96.1	78.5 - 118		%Rec	1	11/29/2021 10:18:43 PM

Sample Moisture (Percent Moisture)

Batch ID: R71599

Analyst: KJ

Percent Moisture	10.5	0.500		wt%	1	11/30/2021 11:18:16 AM
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Lab ID: 2111542-004

Collection Date: 11/29/2021 12:45:00 PM

Client Sample ID: ART-W18-W19-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34567

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0328		mg/Kg-dry	1	11/29/2021 10:49:50 PM
Surr: Dibromofluoromethane	97.8	75.5 - 119		%Rec	1	11/29/2021 10:49:50 PM
Surr: Toluene-d8	103	82.4 - 115		%Rec	1	11/29/2021 10:49:50 PM
Surr: 1-Bromo-4-fluorobenzene	95.0	78.5 - 118		%Rec	1	11/29/2021 10:49:50 PM

Sample Moisture (Percent Moisture)

Batch ID: R71599

Analyst: KJ

Percent Moisture	13.2	0.500		wt%	1	11/30/2021 11:18:16 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111542-005

Collection Date: 11/29/2021 12:50:00 PM

Client Sample ID: ART-W21-W22-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 34567		Analyst: TN
Tetrachloroethene (PCE)	ND	0.0234		mg/Kg-dry	1	11/29/2021 11:20:51 PM
Surr: Dibromofluoromethane	98.9	75.5 - 119		%Rec	1	11/29/2021 11:20:51 PM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	11/29/2021 11:20:51 PM
Surr: 1-Bromo-4-fluorobenzene	93.3	78.5 - 118		%Rec	1	11/29/2021 11:20:51 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R71599		Analyst: KJ
Percent Moisture	11.2	0.500		wt%	1	11/30/2021 11:18:16 AM

Lab ID: 2111542-006

Collection Date: 11/29/2021 12:55:00 PM

Client Sample ID: ART-W24-W25-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 34567		Analyst: TN
Tetrachloroethene (PCE)	ND	0.0221		mg/Kg-dry	1	11/29/2021 11:51:53 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	11/29/2021 11:51:53 PM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	11/29/2021 11:51:53 PM
Surr: 1-Bromo-4-fluorobenzene	96.1	78.5 - 118		%Rec	1	11/29/2021 11:51:53 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R71599		Analyst: KJ
Percent Moisture	6.23	0.500		wt%	1	11/30/2021 11:18:16 AM



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2111542-007

Collection Date: 11/29/2021 1:00:00 PM

Client Sample ID: ART-N06-N07-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34567

Analyst: TN

Tetrachloroethene (PCE)	0.176	0.0282		mg/Kg-dry	1	11/30/2021 12:22:55 AM
Surr: Dibromofluoromethane	98.1	75.5 - 119		%Rec	1	11/30/2021 12:22:55 AM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	11/30/2021 12:22:55 AM
Surr: 1-Bromo-4-fluorobenzene	94.0	78.5 - 118		%Rec	1	11/30/2021 12:22:55 AM

Sample Moisture (Percent Moisture)

Batch ID: R71599

Analyst: KJ

Percent Moisture	11.9	0.500		wt%	1	11/30/2021 11:18:16 AM
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Lab ID: 2111542-008

Collection Date: 11/29/2021 1:05:00 PM

Client Sample ID: ART-N10-N11-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34567

Analyst: TN

Tetrachloroethene (PCE)	0.116	0.0255		mg/Kg-dry	1	11/30/2021 12:53:58 AM
Surr: Dibromofluoromethane	97.9	75.5 - 119		%Rec	1	11/30/2021 12:53:58 AM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	11/30/2021 12:53:58 AM
Surr: 1-Bromo-4-fluorobenzene	93.8	78.5 - 118		%Rec	1	11/30/2021 12:53:58 AM

Sample Moisture (Percent Moisture)

Batch ID: R71599

Analyst: KJ

Percent Moisture	8.02	0.500		wt%	1	11/30/2021 11:18:16 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2111542-009

Collection Date: 11/29/2021 1:10:00 PM

Client Sample ID: ART-TB-110

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34567

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	11/29/2021 8:14:53 PM
Surr: Dibromofluoromethane	98.8	75.5 - 119		%Rec	1	11/29/2021 8:14:53 PM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	11/29/2021 8:14:53 PM
Surr: 1-Bromo-4-fluorobenzene	95.2	78.5 - 118		%Rec	1	11/29/2021 8:14:53 PM

Work Order: 2111542
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34567	SampType: LCS	Units: µg/L	Prep Date: 11/29/2021	RunNo: 71586							
Client ID: LCSS	Batch ID: 34567		Analysis Date: 11/29/2021	SeqNo: 1458107							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.09	0.0400	1.000	0	109	80	120				
Surr: Dibromofluoromethane	1.36		1.250		109	75.5	120				
Surr: Toluene-d8	1.29		1.250		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		101	78.5	120				

Sample ID: MB-34567	SampType: MBLK	Units: mg/Kg	Prep Date: 11/29/2021	RunNo: 71586							
Client ID: MBLKS	Batch ID: 34567		Analysis Date: 11/29/2021	SeqNo: 1458095							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.21		1.250		96.6	75.5	119				
Surr: Toluene-d8	1.29		1.250		103	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.1	78.5	118				

Sample ID: 2111520-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/29/2021	RunNo: 71586							
Client ID: BATCH	Batch ID: 34567		Analysis Date: 11/29/2021	SeqNo: 1458097							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0419						0		30	
Surr: Dibromofluoromethane	1.33		1.311		102	75.5	119		0		
Surr: Toluene-d8	1.37		1.311		105	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.27		1.311		96.8	78.5	118		0		

Sample ID: 2111520-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/29/2021	RunNo: 71586							
Client ID: BATCH	Batch ID: 34567		Analysis Date: 11/29/2021	SeqNo: 1458206							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.31	0.0419	1.048	0.02618	123	77.7	131				
Surr: Dibromofluoromethane	1.42		1.311		108	75.5	119				

Work Order: 2111542
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2111520-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/29/2021	RunNo: 71586							
Client ID: BATCH	Batch ID: 34567	Analysis Date: 11/29/2021	SeqNo: 1458206								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	1.48		1.311		113	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.35		1.311		103	78.5	118				

Sample ID: 2111542-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 11/29/2021	RunNo: 71586							
Client ID: ART-W09-W10-110	Batch ID: 34567	Analysis Date: 11/29/2021	SeqNo: 1458210								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0248						0		30	
Surr: Dibromofluoromethane	0.792		0.7735		102	75.5	119		0		
Surr: Toluene-d8	0.809		0.7735		105	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.757		0.7735		97.8	78.5	118		0		

Client Name: AC	Work Order Number: 2111542
Logged by: Clare Griggs	Date Received: 11/29/2021 3:06:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA

Samples were collected the same day and chilled.

8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	10.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/29/21 Page: 1 of 1
Project Name: The Arise
Project No: 190298
Collected by: MMR

Laboratory Project No (Internal): 211542
Special Remarks:

Client: ASPeT Consulting
Address: 710 2nd Ave Suite 550
City, State, Zip: Seattle WA 98104
Telephone: 206,949,7478
Fax:

Location:
Report To (PM): Ari Covrane
PM Email: acovrane@aspetconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 ART-W09-W10-110	11/29/21	1230	Soil	3													
2 ART-N99-W99-110		1230															
3 ART-W14-W15-110		1240															
4 ART-W18-W19-110		1245															
5 ART-W21-W22-110		1250															
6 ART-W24-W25-110		1255															
7 ART-N06-N07-110		1300															
8 ART-N10-N11-110		1305															
9 ART-TB-110		1310															
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MICA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate/Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) *Monique Rutter* Print Name *Monique Rutter* Date/Time *11/29/21 14:15*
 Relinquished (Signature) *Justine Mastz* Print Name *Justine Mastz* Date/Time *11/29 15:06*

Turn-around Time:
 Standard
 Next Day
 3 Day
 Same Day
 2 Day (specify)



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2111562

December 01, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 11/30/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2111562

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2111562-001	ART-SV34-SV35-100	11/30/2021 8:40 AM	11/30/2021 1:15 PM
2111562-002	ART-TB-100	11/30/2021 8:40 AM	11/30/2021 1:15 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2111562-001

Collection Date: 11/30/2021 8:40:00 AM

Client Sample ID: ART-SV34-SV35-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34591

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0302		mg/Kg-dry	1	11/30/2021 5:34:24 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	11/30/2021 5:34:24 PM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	11/30/2021 5:34:24 PM
Surr: 1-Bromo-4-fluorobenzene	97.2	78.5 - 118		%Rec	1	11/30/2021 5:34:24 PM

Sample Moisture (Percent Moisture)

Batch ID: R71650

Analyst: ALB

Percent Moisture	16.0	0.500		wt%	1	12/1/2021 2:15:28 PM
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Lab ID: 2111562-002

Collection Date: 11/30/2021 8:40:00 AM

Client Sample ID: ART-TB-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34591

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	11/30/2021 5:03:22 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	11/30/2021 5:03:22 PM
Surr: Toluene-d8	104	82.4 - 115		%Rec	1	11/30/2021 5:03:22 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	78.5 - 118		%Rec	1	11/30/2021 5:03:22 PM

Work Order: 2111562
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34591	SampType: LCS	Units: µg/L			Prep Date: 11/30/2021	RunNo: 71635					
Client ID: LCSS	Batch ID: 34591				Analysis Date: 11/30/2021	SeqNo: 1459449					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.03	0.0400	1.000	0	103	80	120				
Surr: Dibromofluoromethane	1.35		1.250		108	75.5	120				
Surr: Toluene-d8	1.31		1.250		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	78.5	120				

Sample ID: MB-34591	SampType: MBLK	Units: mg/Kg			Prep Date: 11/30/2021	RunNo: 71635					
Client ID: MBLKS	Batch ID: 34591				Analysis Date: 11/30/2021	SeqNo: 1459417					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.26		1.250		101	75.5	119				
Surr: Toluene-d8	1.29		1.250		104	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.4	78.5	118				

Sample ID: 2111562-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 11/30/2021	RunNo: 71635					
Client ID: ART-SV34-SV35-100	Batch ID: 34591				Analysis Date: 11/30/2021	SeqNo: 1459420					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0302						0		30	
Surr: Dibromofluoromethane	0.934		0.9447		98.9	75.5	119		0		
Surr: Toluene-d8	0.972		0.9447		103	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.896		0.9447		94.9	78.5	118		0		

Sample ID: 2111541-012BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 11/30/2021	RunNo: 71635					
Client ID: BATCH	Batch ID: 34591				Analysis Date: 11/30/2021	SeqNo: 1459434					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0144						0		30	
Surr: Dibromofluoromethane	0.448		0.4502		99.6	75.5	119		0		

Work Order: 2111562
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2111541-012BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 11/30/2021	RunNo: 71635							
Client ID: BATCH	Batch ID: 34591		Analysis Date: 11/30/2021	SeqNo: 1459434							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	0.479		0.4502		106	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.409		0.4502		90.9	78.5	118		0		

Sample ID: 2111519-011BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 11/30/2021	RunNo: 71635							
Client ID: BATCH	Batch ID: 34591		Analysis Date: 12/1/2021	SeqNo: 1459441							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.03	0.0376	0.9411	0	109	77.7	131				
Surr: Dibromofluoromethane	1.24		1.176		105	75.5	119				
Surr: Toluene-d8	1.21		1.176		103	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.176		100	78.5	118				

Client Name: **AC**

 Work Order Number: **2111562**

 Logged by: **Brianna Barnes**

 Date Received: **11/30/2021 1:15:00 PM**
Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 11/30/21 Page: 1 of 1

Project Name: The Amse

Project No: P0298

Collected by: MMR

Client: Aspect Consulting
Address: 710 2nd Ave Suite 500
City, State, Zip: Seattle, WA 98104

Location:

Report To (PM): Ai Cochran

PM Email: acochrane@aspectconsulting.com

Laboratory Project No (Internal): 211562
Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 - SIM)	Metals** (EPA 6020 / 608)	Total (T) Dissolved (D)	Anions (CI)**	EDB (801)	Comments
1. ART-SV34-SV35-100	11/30/21	0840	Soil	3													
2. ART-TB-100	11/30/21	0840	Soil	3													XX
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____

Received (Signature) _____ Print Name _____ Date/Time _____
 Received (Signature) _____ Print Name _____ Date/Time _____

Turn-around Time:
 Standard Next Day Same Day
 2 Day _____ (specify)



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2112042

December 03, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 sample(s) on 12/2/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brianna Barnes".

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2112042

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2112042-001	Art-N11-W22-105	12/02/2021 11:10 AM	12/02/2021 3:56 PM
2112042-002	Art-N13-W15-105	12/02/2021 11:20 AM	12/02/2021 3:56 PM
2112042-003	Art-W20-W04-100	12/02/2021 1:40 PM	12/02/2021 3:56 PM
2112042-004	Art-W23-W03-100	12/02/2021 1:50 PM	12/02/2021 3:56 PM
2112042-005	Art-W19-W02-100	12/02/2021 1:45 PM	12/02/2021 3:56 PM
2112042-006	Art-W21-W01-100	12/02/2021 2:00 PM	12/02/2021 3:56 PM
2112042-007	Art-TB-111		12/02/2021 3:56 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 12/2/2021 11:10:00 AM

Project: Schnitzer Artise

Lab ID: 2112042-001

Matrix: Soil

Client Sample ID: Art-N11-W22-105

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34625

Analyst: TN

Vinyl chloride	ND	0.0320		mg/Kg-dry	1	12/2/2021 11:58:32 PM
trans-1,2-Dichloroethene	ND	0.0384		mg/Kg-dry	1	12/2/2021 11:58:32 PM
cis-1,2-Dichloroethene	ND	0.0320		mg/Kg-dry	1	12/2/2021 11:58:32 PM
Trichloroethene (TCE)	ND	0.0256		mg/Kg-dry	1	12/2/2021 11:58:32 PM
Tetrachloroethene (PCE)	ND	0.0512		mg/Kg-dry	1	12/2/2021 11:58:32 PM
Surr: Dibromofluoromethane	97.1	75.5 - 119		%Rec	1	12/2/2021 11:58:32 PM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	12/2/2021 11:58:32 PM
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118		%Rec	1	12/2/2021 11:58:32 PM

Sample Moisture (Percent Moisture)

Batch ID: R71700

Analyst: OK

Percent Moisture	7.35	0.500		wt%	1	12/3/2021 9:19:32 AM
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Client: Aspect Consulting

Collection Date: 12/2/2021 11:20:00 AM

Project: Schnitzer Artise

Lab ID: 2112042-002

Matrix: Soil

Client Sample ID: Art-N13-W15-105

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34625

Analyst: TN

Vinyl chloride	ND	0.0342		mg/Kg-dry	1	12/3/2021 12:29:39 AM
trans-1,2-Dichloroethene	ND	0.0410		mg/Kg-dry	1	12/3/2021 12:29:39 AM
cis-1,2-Dichloroethene	ND	0.0342		mg/Kg-dry	1	12/3/2021 12:29:39 AM
Trichloroethene (TCE)	ND	0.0273		mg/Kg-dry	1	12/3/2021 12:29:39 AM
Tetrachloroethene (PCE)	ND	0.0547		mg/Kg-dry	1	12/3/2021 12:29:39 AM
Surr: Dibromofluoromethane	98.0	75.5 - 119		%Rec	1	12/3/2021 12:29:39 AM
Surr: Toluene-d8	106	82.4 - 115		%Rec	1	12/3/2021 12:29:39 AM
Surr: 1-Bromo-4-fluorobenzene	98.6	78.5 - 118		%Rec	1	12/3/2021 12:29:39 AM

Sample Moisture (Percent Moisture)

Batch ID: R71700

Analyst: OK

Percent Moisture	13.5	0.500		wt%	1	12/3/2021 9:19:32 AM
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Client: Aspect Consulting

Collection Date: 12/2/2021 1:40:00 PM

Project: Schnitzer Artise

Lab ID: 2112042-003

Matrix: Soil

Client Sample ID: Art-W20-W04-100

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34625

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0476		mg/Kg-dry	1	12/3/2021 1:31:52 AM
Surr: Dibromofluoromethane	99.9	75.5 - 119		%Rec	1	12/3/2021 1:31:52 AM
Surr: Toluene-d8	108	82.4 - 115		%Rec	1	12/3/2021 1:31:52 AM
Surr: 1-Bromo-4-fluorobenzene	98.1	78.5 - 118		%Rec	1	12/3/2021 1:31:52 AM

Sample Moisture (Percent Moisture)

Batch ID: R71700

Analyst: OK

Percent Moisture	7.28	0.500		wt%	1	12/3/2021 9:19:32 AM
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Client: Aspect Consulting

Collection Date: 12/2/2021 1:50:00 PM

Project: Schnitzer Artise

Lab ID: 2112042-004

Matrix: Soil

Client Sample ID: Art-W23-W03-100

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34625

Analyst: TN

Tetrachloroethene (PCE)	0.0490	0.0443		mg/Kg-dry	1	12/3/2021 2:03:00 AM
Surr: Dibromofluoromethane	99.2	75.5 - 119		%Rec	1	12/3/2021 2:03:00 AM
Surr: Toluene-d8	108	82.4 - 115		%Rec	1	12/3/2021 2:03:00 AM
Surr: 1-Bromo-4-fluorobenzene	98.7	78.5 - 118		%Rec	1	12/3/2021 2:03:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R71700

Analyst: OK

Percent Moisture	8.74	0.500		wt%	1	12/3/2021 9:19:32 AM
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Client: Aspect Consulting

Collection Date: 12/2/2021 1:45:00 PM

Project: Schnitzer Artise

Lab ID: 2112042-005

Matrix: Soil

Client Sample ID: Art-W19-W02-100

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34625

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0517		mg/Kg-dry	1	12/3/2021 2:34:05 AM
Surr: Dibromofluoromethane	100	75.5 - 119		%Rec	1	12/3/2021 2:34:05 AM
Surr: Toluene-d8	108	82.4 - 115		%Rec	1	12/3/2021 2:34:05 AM
Surr: 1-Bromo-4-fluorobenzene	97.8	78.5 - 118		%Rec	1	12/3/2021 2:34:05 AM

Sample Moisture (Percent Moisture)

Batch ID: R71700

Analyst: OK

Percent Moisture	7.99	0.500		wt%	1	12/3/2021 9:19:32 AM
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Client: Aspect Consulting

Collection Date: 12/2/2021 2:00:00 PM

Project: Schnitzer Artise

Lab ID: 2112042-006

Matrix: Soil

Client Sample ID: Art-W21-W01-100

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34625

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0464		mg/Kg-dry	1	12/3/2021 3:05:13 AM
Surr: Dibromofluoromethane	99.5	75.5 - 119		%Rec	1	12/3/2021 3:05:13 AM
Surr: Toluene-d8	107	82.4 - 115		%Rec	1	12/3/2021 3:05:13 AM
Surr: 1-Bromo-4-fluorobenzene	98.9	78.5 - 118		%Rec	1	12/3/2021 3:05:13 AM

Sample Moisture (Percent Moisture)

Batch ID: R71700

Analyst: OK

Percent Moisture	8.71	0.500		wt%	1	12/3/2021 9:19:32 AM
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Client: Aspect Consulting

Collection Date:

Project: Schnitzer Artise

Lab ID: 2112042-007

Matrix: Soil

Client Sample ID: Art-TB-111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34625

Analyst: TN

Vinyl chloride	ND	0.0250		mg/Kg	1	12/2/2021 11:27:31 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	12/2/2021 11:27:31 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	12/2/2021 11:27:31 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	12/2/2021 11:27:31 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	12/2/2021 11:27:31 PM
Surr: Dibromofluoromethane	95.9	75.5 - 119		%Rec	1	12/2/2021 11:27:31 PM
Surr: Toluene-d8	99.3	82.4 - 115		%Rec	1	12/2/2021 11:27:31 PM
Surr: 1-Bromo-4-fluorobenzene	99.3	78.5 - 118		%Rec	1	12/2/2021 11:27:31 PM

Work Order: 2112042
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34625	SampType: LCS	Units: mg/Kg			Prep Date: 12/2/2021	RunNo: 71707					
Client ID: LCSS	Batch ID: 34625				Analysis Date: 12/2/2021	SeqNo: 1461700					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.07	0.0250	1.000	0	107	80	120				
trans-1,2-Dichloroethene	0.977	0.0300	1.000	0	97.7	80	120				
cis-1,2-Dichloroethene	0.986	0.0250	1.000	0	98.6	80	120				
Trichloroethene (TCE)	0.981	0.0200	1.000	0	98.1	80	120				
Tetrachloroethene (PCE)	1.00	0.0400	1.000	0	100	80	120				
Surr: Dibromofluoromethane	1.28		1.250		103	75.5	120				
Surr: Toluene-d8	1.24		1.250		99.4	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	78.5	120				

Sample ID: MB-34625	SampType: MBLK	Units: mg/Kg			Prep Date: 12/2/2021	RunNo: 71707					
Client ID: MBLKS	Batch ID: 34625				Analysis Date: 12/2/2021	SeqNo: 1461684					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.22		1.250		97.9	75.5	119				
Surr: Toluene-d8	1.26		1.250		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250		97.1	78.5	118				

Sample ID: 2112042-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 12/2/2021	RunNo: 71707					
Client ID: Art-N13-W15-105	Batch ID: 34625				Analysis Date: 12/3/2021	SeqNo: 1461692					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0342						0		30	
trans-1,2-Dichloroethene	ND	0.0410						0		30	
cis-1,2-Dichloroethene	ND	0.0342						0		30	

Work Order: 2112042
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2112042-002BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 12/2/2021		RunNo: 71707			
Client ID: Art-N13-W15-105		Batch ID: 34625				Analysis Date: 12/3/2021		SeqNo: 1461692			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0273						0		30	
Tetrachloroethene (PCE)	ND	0.0547						0		30	
Surr: Dibromofluoromethane	1.67		1.709		97.6	75.5	119		0		
Surr: Toluene-d8	1.81		1.709		106	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.69		1.709		98.8	78.5	118		0		

Sample ID: 2112042-006BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 12/2/2021		RunNo: 71707			
Client ID: Art-W21-W01-100		Batch ID: 34625				Analysis Date: 12/3/2021		SeqNo: 1461697			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0290						0		30	
trans-1,2-Dichloroethene	ND	0.0348						0		30	
cis-1,2-Dichloroethene	ND	0.0290						0		30	
Trichloroethene (TCE)	ND	0.0232						0		30	
Tetrachloroethene (PCE)	ND	0.0464						0		30	
Surr: Dibromofluoromethane	1.45		1.449		100	75.5	119		0		
Surr: Toluene-d8	1.55		1.449		107	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.44		1.449		99.0	78.5	118		0		

Sample ID: 2112042-005BMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 12/2/2021		RunNo: 71707			
Client ID: Art-W19-W02-100		Batch ID: 34625				Analysis Date: 12/3/2021		SeqNo: 1461698			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.59	0.0323	1.291	0	123	50.3	134				
trans-1,2-Dichloroethene	1.49	0.0387	1.291	0	115	70.2	132				
cis-1,2-Dichloroethene	1.38	0.0323	1.291	0	107	79.6	125				
Trichloroethene (TCE)	1.47	0.0258	1.291	0	113	78.9	132				
Tetrachloroethene (PCE)	1.49	0.0517	1.291	0	115	77.7	131				
Surr: Dibromofluoromethane	1.67		1.614		104	75.5	119				

Work Order: 2112042
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2112042-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/2/2021	RunNo: 71707
Client ID: Art-W19-W02-100	Batch ID: 34625		Analysis Date: 12/3/2021	SeqNo: 1461698

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.73		1.614		107	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.63		1.614		101	78.5	118				

Client Name: **AC**

 Work Order Number: **2112042**

 Logged by: **Brianna Barnes**

 Date Received: **12/2/2021 3:56:00 PM**
Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	6.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 12/2/21 Page: 1 of 1

Laboratory Project No (Internal): 2112042

Client: Aspect Consultants

Project Name: Skyliner
Project No: 190298

Collected by: JTB

City, State, Zip:

Location:

Telephone: 516 617 0499

Report To (PM): Ali Cahane

Fax:

PM Email: ac@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes										Comments					
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)		Anions (IC)**	EDB (8011)			
1 Art-N11-W22-105	12/2/21	1110	Soil	3																
2 Art-N13-W15-105	12/2/21	1120																		
3 Art-W20-WH-100		1340																		
4 Art-W23-W03-100		1350																		
5 Art-W19-W02-100		1345																		
6 Art-W21-W01-100		1400																		
7 Art-TB-111	12/2/21		Air	1																
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCR-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

Relinquished (Signature): [Signature] Print Name: David Brink Date/Time: 12/2/21 1530

Relinquished (Signature): [Signature] Print Name: Alex Service Date/Time: 12/2/21 1330

Received (Signature): [Signature] Print Name: Justine Macky Date/Time: 12/2/21 15:56



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2112200

December 15, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 8 sample(s) on 12/13/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2112200

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2112200-001	ART-N04-W01-100	12/13/2021 8:30 AM	12/13/2021 11:45 AM
2112200-002	ART-N04-W02-100	12/13/2021 8:35 AM	12/13/2021 11:45 AM
2112200-003	ART-N04-W03-100	12/13/2021 8:40 AM	12/13/2021 11:45 AM
2112200-004	ART-N04-W04-100	12/13/2021 8:45 AM	12/13/2021 11:45 AM
2112200-005	ART-N05-W03-100	12/13/2021 8:50 AM	12/13/2021 11:45 AM
2112200-006	ART-N06-W03-100	12/13/2021 8:55 AM	12/13/2021 11:45 AM
2112200-007	ART-N07-W03-100	12/13/2021 9:00 AM	12/13/2021 11:45 AM
2112200-008	ART-TB-100-121321	12/13/2021 9:05 AM	12/13/2021 11:45 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

12/14/2021: Revision 1 includes additional analysis requested by client.

12/15/2021: Revision 2 includes additional analysis requested by client.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2112200-002

Collection Date: 12/13/2021 8:35:00 AM

Client Sample ID: ART-N04-W02-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34733

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0306		mg/Kg-dry	1	12/13/2021 3:06:29 PM
Surr: Dibromofluoromethane	88.5	75.5 - 119		%Rec	1	12/13/2021 3:06:29 PM
Surr: Toluene-d8	94.7	82.4 - 115		%Rec	1	12/13/2021 3:06:29 PM
Surr: 1-Bromo-4-fluorobenzene	88.0	78.5 - 118		%Rec	1	12/13/2021 3:06:29 PM

Sample Moisture (Percent Moisture)

Batch ID: R71904

Analyst: ALB

Percent Moisture	10.9	0.500		wt%	1	12/13/2021 2:25:04 PM
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Lab ID: 2112200-004

Collection Date: 12/13/2021 8:45:00 AM

Client Sample ID: ART-N04-W04-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34733

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0228		mg/Kg-dry	1	12/13/2021 4:08:46 PM
Surr: Dibromofluoromethane	89.2	75.5 - 119		%Rec	1	12/13/2021 4:08:46 PM
Surr: Toluene-d8	93.4	82.4 - 115		%Rec	1	12/13/2021 4:08:46 PM
Surr: 1-Bromo-4-fluorobenzene	92.2	78.5 - 118		%Rec	1	12/13/2021 4:08:46 PM

Sample Moisture (Percent Moisture)

Batch ID: R71904

Analyst: ALB

Percent Moisture	9.38	0.500		wt%	1	12/13/2021 2:25:04 PM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2112200-005

Collection Date: 12/13/2021 8:50:00 AM

Client Sample ID: ART-N05-W03-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34733 Analyst: TN

Tetrachloroethene (PCE)	0.0351	0.0237		mg/Kg-dry	1	12/13/2021 4:39:59 PM
Surr: Dibromofluoromethane	88.6	75.5 - 119		%Rec	1	12/13/2021 4:39:59 PM
Surr: Toluene-d8	93.2	82.4 - 115		%Rec	1	12/13/2021 4:39:59 PM
Surr: 1-Bromo-4-fluorobenzene	91.9	78.5 - 118		%Rec	1	12/13/2021 4:39:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R71904 Analyst: ALB

Percent Moisture	9.91	0.500		wt%	1	12/13/2021 2:25:04 PM
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Lab ID: 2112200-006

Collection Date: 12/13/2021 8:55:00 AM

Client Sample ID: ART-N06-W03-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34749 Analyst: TN

Tetrachloroethene (PCE)	0.0312	0.0222		mg/Kg-dry	1	12/14/2021 12:47:11 PM
Surr: Dibromofluoromethane	91.7	75.5 - 119		%Rec	1	12/14/2021 12:47:11 PM
Surr: Toluene-d8	95.1	82.4 - 115		%Rec	1	12/14/2021 12:47:11 PM
Surr: 1-Bromo-4-fluorobenzene	92.6	78.5 - 118		%Rec	1	12/14/2021 12:47:11 PM

Sample Moisture (Percent Moisture)

Batch ID: R71919 Analyst: OK

Percent Moisture	10.5	0.500		wt%	1	12/14/2021 8:48:59 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2112200-007

Collection Date: 12/13/2021 9:00:00 AM

Client Sample ID: ART-N07-W03-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34768

Analyst: TN

Tetrachloroethene (PCE)	0.0550	0.0219		mg/Kg-dry	1	12/15/2021 1:17:56 PM
Surr: Dibromofluoromethane	89.8	75.5 - 119		%Rec	1	12/15/2021 1:17:56 PM
Surr: Toluene-d8	93.5	82.4 - 115		%Rec	1	12/15/2021 1:17:56 PM
Surr: 1-Bromo-4-fluorobenzene	90.0	78.5 - 118		%Rec	1	12/15/2021 1:17:56 PM

Sample Moisture (Percent Moisture)

Batch ID: R71945

Analyst: OK

Percent Moisture	10.5	0.500		wt%	1	12/15/2021 8:40:19 AM
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Lab ID: 2112200-008

Collection Date: 12/13/2021 9:05:00 AM

Client Sample ID: ART-TB-100-121321

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34733

Analyst: TN

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	12/13/2021 2:35:16 PM
Surr: Dibromofluoromethane	90.0	75.5 - 119		%Rec	1	12/13/2021 2:35:16 PM
Surr: Toluene-d8	93.8	82.4 - 115		%Rec	1	12/13/2021 2:35:16 PM
Surr: 1-Bromo-4-fluorobenzene	92.5	78.5 - 118		%Rec	1	12/13/2021 2:35:16 PM

Work Order: 2112200
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34733	SampType: LCS	Units: mg/Kg			Prep Date: 12/13/2021	RunNo: 71913					
Client ID: LCSS	Batch ID: 34733				Analysis Date: 12/13/2021	SeqNo: 1467135					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.07	0.0400	1.000	0	107	80	120				
Surr: Dibromofluoromethane	1.23		1.250		98.1	75.5	120				
Surr: Toluene-d8	1.19		1.250		95.0	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	78.5	120				

Sample ID: MB-34733	SampType: MBLK	Units: mg/Kg			Prep Date: 12/13/2021	RunNo: 71913					
Client ID: MBLKS	Batch ID: 34733				Analysis Date: 12/13/2021	SeqNo: 1467129					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.13		1.250		90.1	75.5	119				
Surr: Toluene-d8	1.17		1.250		93.8	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.17		1.250		93.6	78.5	118				

Sample ID: 2112200-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 12/13/2021	RunNo: 71913					
Client ID: ART-N04-W02-100	Batch ID: 34733				Analysis Date: 12/13/2021	SeqNo: 1467132					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0306						0		30	
Surr: Dibromofluoromethane	0.855		0.9564		89.4	75.5	119		0		
Surr: Toluene-d8	0.892		0.9564		93.3	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.892		0.9564		93.3	78.5	118		0		

Sample ID: 2112200-005BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 12/13/2021	RunNo: 71913					
Client ID: ART-N05-W03-100	Batch ID: 34733				Analysis Date: 12/13/2021	SeqNo: 1467281					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.618	0.0237	0.5914	0.03512	98.5	81.3	126				
Surr: Dibromofluoromethane	0.719		0.7392		97.3	75.5	119				

Work Order: 2112200
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2112200-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/13/2021	RunNo: 71913							
Client ID: ART-N05-W03-100	Batch ID: 34733		Analysis Date: 12/13/2021	SeqNo: 1467281							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	0.693		0.7392		93.7	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.737		0.7392		99.7	78.5	118				

Sample ID: LCS-34749	SampType: LCS	Units: mg/Kg	Prep Date: 12/14/2021	RunNo: 71935							
Client ID: LCSS	Batch ID: 34749		Analysis Date: 12/14/2021	SeqNo: 1467592							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.15	0.0400	1.000	0	115	80	120				
Surr: Dibromofluoromethane	1.20		1.250		96.2	75.5	120				
Surr: Toluene-d8	1.25		1.250		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.9	78.5	120				

Sample ID: MB-34749	SampType: MBLK	Units: mg/Kg	Prep Date: 12/14/2021	RunNo: 71935							
Client ID: MBLKS	Batch ID: 34749		Analysis Date: 12/14/2021	SeqNo: 1467588							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.16		1.250		92.7	75.5	119				
Surr: Toluene-d8	1.25		1.250		99.7	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.16		1.250		92.5	78.5	118				

Sample ID: 2112200-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/14/2021	RunNo: 71935							
Client ID: ART-N06-W03-100	Batch ID: 34749		Analysis Date: 12/14/2021	SeqNo: 1467590							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.610	0.0222	0.5557	0.03115	104	81.3	126				
Surr: Dibromofluoromethane	0.671		0.6947		96.6	75.5	119				
Surr: Toluene-d8	0.655		0.6947		94.3	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.692		0.6947		99.6	78.5	118				

Work Order: 2112200
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2112200-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/14/2021	RunNo: 71935							
Client ID: ART-N06-W03-100	Batch ID: 34749		Analysis Date: 12/14/2021	SeqNo: 1467590							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: LCSD-34749	SampType: LCSD	Units: mg/Kg	Prep Date: 12/14/2021	RunNo: 71935							
Client ID: LCSS02	Batch ID: 34749		Analysis Date: 12/14/2021	SeqNo: 1467591							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.06	0.0400	1.000	0	106	80	120	1.145	7.25	20	
Surr: Dibromofluoromethane	1.21		1.250		97.2	75.5	120		0		
Surr: Toluene-d8	1.17		1.250		93.3	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.4	78.5	120		0		

Sample ID: 2112227-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/14/2021	RunNo: 71935							
Client ID: BATCH	Batch ID: 34749		Analysis Date: 12/14/2021	SeqNo: 1467694							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0485						0		30	
Surr: Dibromofluoromethane	1.41		1.516		92.9	75.5	119		0		
Surr: Toluene-d8	1.45		1.516		95.8	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.36		1.516		89.7	78.5	118		0		

Sample ID: LCS-34768	SampType: LCS	Units: mg/Kg	Prep Date: 12/15/2021	RunNo: 71973							
Client ID: LCSS	Batch ID: 34768		Analysis Date: 12/15/2021	SeqNo: 1468369							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.01	0.0400	1.000	0	101	80	120				
Surr: Dibromofluoromethane	1.18		1.250		94.3	75.5	120				
Surr: Toluene-d8	1.21		1.250		96.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.1	78.5	120				

Work Order: 2112200
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCSD-34768	SampType: LCSD	Units: mg/Kg			Prep Date: 12/15/2021	RunNo: 71973					
Client ID: LCSS02	Batch ID: 34768				Analysis Date: 12/15/2021	SeqNo: 1468365					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.956	0.0400	1.000	0	95.6	80	120	1.006	5.12	20	
Surr: Dibromofluoromethane	1.21		1.250		97.0	75.5	120		0		
Surr: Toluene-d8	1.16		1.250		92.9	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.8	78.5	120		0		

Sample ID: MB-34768	SampType: MBLK	Units: mg/Kg			Prep Date: 12/15/2021	RunNo: 71973					
Client ID: MBLKS	Batch ID: 34768				Analysis Date: 12/15/2021	SeqNo: 1468366					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.13		1.250		90.4	75.5	119				
Surr: Toluene-d8	1.17		1.250		93.6	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.16		1.250		92.6	78.5	118				

Sample ID: 2112200-007BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 12/15/2021	RunNo: 71973					
Client ID: ART-N07-W03-100	Batch ID: 34768				Analysis Date: 12/15/2021	SeqNo: 1468368					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.692	0.0219	0.5470	0.05495	116	81.3	126				
Surr: Dibromofluoromethane	0.667		0.6838		97.6	75.5	119				
Surr: Toluene-d8	0.644		0.6838		94.2	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	0.687		0.6838		101	78.5	118				

Client Name: AC	Work Order Number: 2112200
Logged by: Gabrielle Coeuille	Date Received: 12/13/2021 11:45:00 AM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 12/13/21

Page: 1 of 1

Laboratory Project No (Internal): 211200

Project Name: The Arise

Project No: 190298

Collected by: MMR

Client: ASPECT CONSULTING
Address: 710 2nd Ave Suite 550
City, State, Zip: SEATTLE, WA 98104
Telephone: 206.949.7478

Report To (PM): Ali Cochrane

PM Email: acochrane@aspectconsulting.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 - SIM)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 ART-N04-W01-100	12/13/21	0830	SOIL	3													HOLD
2 ART-N04-W02-100		0835															HOLD
3 ART-N04-W03-100		0840															HOLD
4 ART-N04-W04-100		0845															HOLD
5 ART-N05-W03-100		0850															HOLD
6 ART-N06-W03-100		0855															HOLD
7 ART-N07-W03-100		0900															HOLD
8 ART-TB-100-121321		0905															
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCR-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____



Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 12/13/21

Page: 1 of 1

Laboratory Project No (Internal): 2112200

Project Name: The Arise

Special Remarks: Update per AC 12/14/21 - gac

Project No: 190298

Collected by: MMR

Location:

Report To (PM): Ali Cochrane

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: ASPECT CONSULTING
Address: 710 2nd Ave Suite 550
City, State, Zip: SEATTLE, WA 98104
Telephone: 206.949.7478

Fax: PM Email: acochrane@gaspedconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes											Comments			
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 - SIM)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***		EDB (801)		
1 ART-N04-W01-100	12/13/21	0830	SOIL	3															HOLD
2 ART-N04-W02-100		0835																	HOLD
3 ART-N04-W03-100		0840																	HOLD
4 ART-N04-W04-100		0845																	HOLD
5 ART-N05-W03-100		0850																	HOLD
6 ART-N06-W03-100		0855																	HOLD
7 ART-N07-W03-100		0900																	HOLD
8 ART-TB-100-121321		0905		1															HOLD
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCR-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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 Standard Next Day
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Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____



Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 12/13/21

Page: 1 of 1

Laboratory Project No (Internal): 2112000

Project Name: The Arise

Special Remarks: Update per AC 12/14/21 - gac

Project No: 190298

X = run ASAP per MLK 12/15/21 - CG

Client: ASPECT CONSULTING
Address: 710 2nd Ave Suite 550
City, State, Zip: SEATTLE, WA 98104

Collected by: MMR

Telephone: 206.949.7478

Location:
Report To (PM): Ali Cochrane

Sample Disposal: Return to client Disposal by lab (after 30 days)

Fax:
PM Email: acochrane@gaspcelltranslating.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analysis Parameters											Comments			
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 - SIM)	PAHs (EPA 8270 - 51M)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***		EDB (801)		
1 ART-N04-W01-100	12/13/21	0830	SOIL	3															HOLD
2 ART-N04-W02-100		0835																	HOLD
3 ART-N04-W03-100		0840																	HOLD
4 ART-N04-W04-100		0845																	HOLD
5 ART-N05-W03-100		0850																	HOLD
6 ART-N06-W03-100		0855																	HOLD
7 ART-N07-W03-100		0900																	HOLD
8 ART-TB-100-121321		0905																	HOLD
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCR-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____

Received (Signature) _____ Print Name _____ Date/Time _____
 Received (Signature) _____ Print Name _____ Date/Time _____

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2112288

December 20, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 12/16/2021 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2112288

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2112288-001	Art-N09-W03-100	12/16/2021 7:30 AM	12/16/2021 12:37 PM
2112288-002	Art-N10-W03-100	12/16/2021 7:40 AM	12/16/2021 12:37 PM
2112288-003	Art-N08-W04-100	12/16/2021 7:50 AM	12/16/2021 12:37 PM
2112288-004	Art-N08-W02-100	12/16/2021 8:00 AM	12/16/2021 12:37 PM
2112288-005	Art-TB-100-121621		12/16/2021 12:37 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2112288-001

Collection Date: 12/16/2021 7:30:00 AM

Client Sample ID: Art-N09-W03-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34790

Analyst: MS

Tetrachloroethene (PCE)	ND	0.0376		mg/Kg-dry	1	12/16/2021 10:43:51 PM
Surr: Dibromofluoromethane	99.4	75.5 - 119		%Rec	1	12/16/2021 10:43:51 PM
Surr: Toluene-d8	108	82.4 - 115		%Rec	1	12/16/2021 10:43:51 PM
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118		%Rec	1	12/16/2021 10:43:51 PM

Sample Moisture (Percent Moisture)

Batch ID: R72000

Analyst: ALB

Percent Moisture	11.0	0.500		wt%	1	12/16/2021 10:38:04 AM
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Lab ID: 2112288-003

Collection Date: 12/16/2021 7:50:00 AM

Client Sample ID: Art-N08-W04-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34790

Analyst: MS

Tetrachloroethene (PCE)	ND	0.0340		mg/Kg-dry	1	12/16/2021 11:45:59 PM
Surr: Dibromofluoromethane	99.5	75.5 - 119		%Rec	1	12/16/2021 11:45:59 PM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	12/16/2021 11:45:59 PM
Surr: 1-Bromo-4-fluorobenzene	99.3	78.5 - 118		%Rec	1	12/16/2021 11:45:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R72000

Analyst: ALB

Percent Moisture	9.90	0.500		wt%	1	12/16/2021 10:38:04 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2112288-004

Collection Date: 12/16/2021 8:00:00 AM

Client Sample ID: Art-N08-W02-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34790

Analyst: MS

Tetrachloroethene (PCE)	ND	0.0534		mg/Kg-dry	1	12/17/2021 12:17:06 AM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	12/17/2021 12:17:06 AM
Surr: Toluene-d8	109	82.4 - 115		%Rec	1	12/17/2021 12:17:06 AM
Surr: 1-Bromo-4-fluorobenzene	99.2	78.5 - 118		%Rec	1	12/17/2021 12:17:06 AM

Sample Moisture (Percent Moisture)

Batch ID: R72000

Analyst: ALB

Percent Moisture	14.0	0.500		wt%	1	12/16/2021 10:38:04 AM
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Lab ID: 2112288-005

Collection Date:

Client Sample ID: Art-TB-100-121621

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 34790

Analyst: MS

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	12/16/2021 10:12:44 PM
Surr: Dibromofluoromethane	96.1	75.5 - 119		%Rec	1	12/16/2021 10:12:44 PM
Surr: Toluene-d8	99.5	82.4 - 115		%Rec	1	12/16/2021 10:12:44 PM
Surr: 1-Bromo-4-fluorobenzene	98.6	78.5 - 118		%Rec	1	12/16/2021 10:12:44 PM

Work Order: 2112288
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34790	SampType: LCS	Units: mg/Kg			Prep Date: 12/16/2021	RunNo: 72039					
Client ID: LCSS	Batch ID: 34790				Analysis Date: 12/16/2021	SeqNo: 1469677					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.00	0.0400	1.000	0	100	80	120				
Surr: Dibromofluoromethane	1.30		1.250		104	75.5	120				
Surr: Toluene-d8	1.23		1.250		98.8	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.27		1.250		102	78.5	120				

Sample ID: MB-34790	SampType: MBLK	Units: mg/Kg			Prep Date: 12/16/2021	RunNo: 72039					
Client ID: MBLKS	Batch ID: 34790				Analysis Date: 12/16/2021	SeqNo: 1469652					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.20		1.250		96.2	75.5	119				
Surr: Toluene-d8	1.25		1.250		99.9	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.4	78.5	118				

Sample ID: 2112288-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 12/16/2021	RunNo: 72039					
Client ID: Art-N09-W03-100	Batch ID: 34790				Analysis Date: 12/16/2021	SeqNo: 1469655					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0376						0		30	
Surr: Dibromofluoromethane	1.17		1.174		99.6	75.5	119		0		
Surr: Toluene-d8	1.26		1.174		107	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.18		1.174		100	78.5	118		0		

Sample ID: 2112217-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 12/16/2021	RunNo: 72039					
Client ID: BATCH	Batch ID: 34790				Analysis Date: 12/17/2021	SeqNo: 1469659					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0569						0		30	
Surr: Dibromofluoromethane	1.77		1.779		99.3	75.5	119		0		

Work Order: 2112288
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2112217-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 12/16/2021	RunNo: 72039							
Client ID: BATCH	Batch ID: 34790		Analysis Date: 12/17/2021	SeqNo: 1469659							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	1.93		1.779		108	82.4	115		0	
Surr: 1-Bromo-4-fluorobenzene	1.79		1.779		101	78.5	118		0	

Sample ID: 2112288-004BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 12/16/2021	RunNo: 72039							
Client ID: Art-N08-W02-100	Batch ID: 34790		Analysis Date: 12/17/2021	SeqNo: 1469666							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.44	0.0534	1.335	0	108	81.3	126			
Surr: Dibromofluoromethane	1.75		1.668		105	75.5	119			
Surr: Toluene-d8	1.70		1.668		102	82.4	115			
Surr: 1-Bromo-4-fluorobenzene	1.73		1.668		104	78.5	118			

Client Name: AC	Work Order Number: 2112288
Logged by: Gabrielle Coeuille	Date Received: 12/16/2021 12:37:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

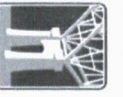
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	0.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 12/16/21 Page: 1 of 1

Laboratory Project No (Internal): 2112288

Project Name: Schmitzer

Special Remarks:

Project No: 190298

Collected by: DRB

Location:

Report To (PM): A. Levine

Sample Disposal: Return to client Disposal by lab (after 30 days)

PM Email: ash@fremontanalytical.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 - 625)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (801)	Comments
1 Art-N09-W03-100	12/16/21	0730	Soil														
2 Art-N10-W03-100		0740															Hold sample Art-N10-W03-100
3 Art-N08-W04-100		0750															
4 Art-N08-W02-100		0800															
5 Art-TB-100-121621			AQ														
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) Print Name Date/Time Received (Signature) Print Name Date/Time

Relinquished (Signature) Print Name Date/Time Received (Signature) Print Name Date/Time

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2201190

January 17, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 1/13/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2201190

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2201190-001	Art-W22-W22-102	01/13/2022 8:00 AM	01/13/2022 10:46 AM
2201190-002	Art-N01-W24-102	01/13/2022 8:20 AM	01/13/2022 10:46 AM
2201190-003	Art-N01-N04-102	01/13/2022 8:23 AM	01/13/2022 10:46 AM
2201190-004	Art-N07-W22-102	01/13/2022 8:30 AM	01/13/2022 10:46 AM
2201190-005	Art-TB-100-011322		01/13/2022 10:46 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2201190-001

Collection Date: 1/13/2022 8:00:00 AM

Client Sample ID: Art-W22-W22-102

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35020

Analyst: TN

Vinyl chloride	ND	0.0250		mg/Kg-dry	1	1/17/2022 1:56:23 PM
1,1-Dichloroethene	ND	0.100		mg/Kg-dry	1	1/14/2022 1:33:21 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg-dry	1	1/17/2022 1:56:23 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg-dry	1	1/17/2022 1:56:23 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg-dry	1	1/17/2022 1:56:23 PM
Tetrachloroethene (PCE)	0.258	0.0401		mg/Kg-dry	1	1/17/2022 1:56:23 PM
Surr: Dibromofluoromethane	98.1	80 - 120		%Rec	1	1/17/2022 1:56:23 PM
Surr: Dibromofluoromethane	108	80 - 120		%Rec	1	1/14/2022 1:33:21 AM
Surr: Toluene-d8	93.6	80 - 120		%Rec	1	1/17/2022 1:56:23 PM
Surr: Toluene-d8	69.8	80 - 120	S	%Rec	1	1/14/2022 1:33:21 AM
Surr: 1-Bromo-4-fluorobenzene	93.6	80 - 120		%Rec	1	1/17/2022 1:56:23 PM
Surr: 1-Bromo-4-fluorobenzene	101	80 - 120		%Rec	1	1/14/2022 1:33:21 AM

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample Moisture (Percent Moisture)

Batch ID: R72541

Analyst: cb

Percent Moisture	15.5	0.500		wt%	1	1/13/2022 5:49:00 PM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2201190-002

Collection Date: 1/13/2022 8:20:00 AM

Client Sample ID: Art-N01-W24-102

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35020

Analyst: TN

Vinyl chloride	ND	0.0291		mg/Kg-dry	1	1/17/2022 2:26:32 PM
1,1-Dichloroethene	ND	0.117		mg/Kg-dry	1	1/14/2022 2:04:28 AM
trans-1,2-Dichloroethene	ND	0.0350		mg/Kg-dry	1	1/17/2022 2:26:32 PM
cis-1,2-Dichloroethene	ND	0.0291		mg/Kg-dry	1	1/17/2022 2:26:32 PM
Trichloroethene (TCE)	0.0274	0.0233		mg/Kg-dry	1	1/17/2022 2:26:32 PM
Tetrachloroethene (PCE)	0.333	0.0466		mg/Kg-dry	1	1/17/2022 2:26:32 PM
Surr: Dibromofluoromethane	98.2	80 - 120		%Rec	1	1/17/2022 2:26:32 PM
Surr: Dibromofluoromethane	107	80 - 120		%Rec	1	1/14/2022 2:04:28 AM
Surr: Toluene-d8	93.8	80 - 120		%Rec	1	1/17/2022 2:26:32 PM
Surr: Toluene-d8	74.4	80 - 120	S	%Rec	1	1/14/2022 2:04:28 AM
Surr: 1-Bromo-4-fluorobenzene	95.1	80 - 120		%Rec	1	1/17/2022 2:26:32 PM
Surr: 1-Bromo-4-fluorobenzene	100	80 - 120		%Rec	1	1/14/2022 2:04:28 AM

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample Moisture (Percent Moisture)

Batch ID: R72541

Analyst: cb

Percent Moisture	10.3	0.500		wt%	1	1/13/2022 5:49:00 PM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2201190-003

Collection Date: 1/13/2022 8:23:00 AM

Client Sample ID: Art-N01-N04-102

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35020

Analyst: TN

Vinyl chloride	ND	0.0201		mg/Kg-dry	1	1/14/2022 2:35:30 AM
1,1-Dichloroethene	ND	0.0803		mg/Kg-dry	1	1/14/2022 2:35:30 AM
trans-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	1/14/2022 2:35:30 AM
cis-1,2-Dichloroethene	ND	0.0201		mg/Kg-dry	1	1/14/2022 2:35:30 AM
Trichloroethene (TCE)	ND	0.0161		mg/Kg-dry	1	1/14/2022 2:35:30 AM
Tetrachloroethene (PCE)	0.182	0.0321		mg/Kg-dry	1	1/14/2022 2:35:30 AM
Surr: Dibromofluoromethane	108	80 - 120		%Rec	1	1/14/2022 2:35:30 AM
Surr: Toluene-d8	85.2	80 - 120		%Rec	1	1/14/2022 2:35:30 AM
Surr: 1-Bromo-4-fluorobenzene	101	80 - 120		%Rec	1	1/14/2022 2:35:30 AM

Sample Moisture (Percent Moisture)

Batch ID: R72541

Analyst: cb

Percent Moisture	13.1	0.500		wt%	1	1/13/2022 5:49:00 PM
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Lab ID: 2201190-005

Collection Date:

Client Sample ID: Art-TB-100-011322

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35020

Analyst: TN

Vinyl chloride	ND	0.0250		mg/Kg	1	1/14/2022 1:02:15 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	1/14/2022 1:02:15 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	1/14/2022 1:02:15 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	1/14/2022 1:02:15 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	1/14/2022 1:02:15 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	1/14/2022 1:02:15 AM
Surr: Dibromofluoromethane	118	80 - 120		%Rec	1	1/14/2022 1:02:15 AM
Surr: Toluene-d8	83.3	80 - 120		%Rec	1	1/14/2022 1:02:15 AM
Surr: 1-Bromo-4-fluorobenzene	99.9	80 - 120		%Rec	1	1/14/2022 1:02:15 AM

Work Order: 2201190
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35020	SampType: LCS	Units: mg/Kg			Prep Date: 1/13/2022	RunNo: 72553					
Client ID: LCSS	Batch ID: 35020				Analysis Date: 1/13/2022	SeqNo: 1480602					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.867	0.100	1.000	0	86.7	80	120				
Surr: Dibromofluoromethane	1.36		1.250		109	80	120				
Surr: Toluene-d8	1.03		1.250		82.7	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	80	120				

Sample ID: MB-35020	SampType: MBLK	Units: mg/Kg			Prep Date: 1/13/2022	RunNo: 72553					
Client ID: MBLKS	Batch ID: 35020				Analysis Date: 1/14/2022	SeqNo: 1480586					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.100									
Surr: Dibromofluoromethane	1.25		1.250		100	80	120				
Surr: Toluene-d8	1.03		1.250		82.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		100	80	120				

Sample ID: 2201190-004BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 1/13/2022	RunNo: 72553					
Client ID: Art-N07-W22-102	Batch ID: 35020				Analysis Date: 1/14/2022	SeqNo: 1480592					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0668						0		30	
Surr: Dibromofluoromethane	0.903		0.8351		108	80	120		0		
Surr: Toluene-d8	0.893		0.8351		107	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.857		0.8351		103	80	120		0		

Sample ID: 2201189-005BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 1/13/2022	RunNo: 72553					
Client ID: BATCH	Batch ID: 35020				Analysis Date: 1/14/2022	SeqNo: 1480598					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0867						0		30	
Surr: Dibromofluoromethane	1.11		1.084		102	80	120		0		

Work Order: 2201190
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2201189-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/13/2022	RunNo: 72553							
Client ID: BATCH	Batch ID: 35020		Analysis Date: 1/14/2022	SeqNo: 1480598							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	0.908		1.084		83.8	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.09		1.084		100	80	120		0		

Sample ID: 2201189-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/13/2022	RunNo: 72553							
Client ID: BATCH	Batch ID: 35020		Analysis Date: 1/14/2022	SeqNo: 1480600							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	0.564	0.0868	0.8680	0	65.0	72.1	129				S
Surr: Dibromofluoromethane	1.24		1.085		114	80	120				
Surr: Toluene-d8	0.756		1.085		69.7	80	120				S
Surr: 1-Bromo-4-fluorobenzene	1.12		1.085		103	80	120				

NOTES:
S - Outlying spike recovery(ies) observed.
S - Outlying surrogate recovery(ies) observed.

Sample ID: LCS-35020	SampType: LCS	Units: µg/L	Prep Date: 1/13/2022	RunNo: 72589							
Client ID: LCSS	Batch ID: 35020		Analysis Date: 1/17/2022	SeqNo: 1481419							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	0.809	0.0250	1.000	0	80.9	80	120				
trans-1,2-Dichloroethene	0.928	0.0300	1.000	0	92.8	80	120				
cis-1,2-Dichloroethene	0.917	0.0250	1.000	0	91.7	80	120				
Trichloroethene (TCE)	0.933	0.0200	1.000	0	93.3	80	120				
Tetrachloroethene (PCE)	0.974	0.0400	1.000	0	97.4	80	120				
Surr: Dibromofluoromethane	1.23		1.250		98.2	80	120				
Surr: Toluene-d8	1.21		1.250		96.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	80	120				

Work Order: 2201190
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-35020	SampType: MBLK	Units: mg/Kg	Prep Date: 1/13/2022	RunNo: 72589							
Client ID: MBLKS	Batch ID: 35020		Analysis Date: 1/17/2022	SeqNo: 1481418							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.0250									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.18		1.250		94.4	80	120				
Surr: Toluene-d8	1.15		1.250		91.7	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.17		1.250		93.3	80	120				

Client Name: **AC**

 Work Order Number: **2201190**

 Logged by: **Brianna Barnes**

 Date Received: **1/13/2022 10:46:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

SAMPLE CHAIN OF CUSTODY

2201190

Page # 1 of 1

Report To Ali Cochrane + Mei Lanier-Kamahara
 Company Aspect
 Address _____
 City, State, ZIP _____
 Phone _____
 Email acochrane@aspectanalytical.com

SAMPLES (signature)
Mei Lanier-Kamahara
PROJECT NAME
 Schnitzer Artise
REMARKS
 24 hr TAT
 Project specific RLS? - Yes / No

PO #
 190298 + 7.1
INVOICE TO

TURNAROUND TIME
 Standard turnaround
 RUSH 24 hr
 Rush charges authorized by: _____
SAMPLE DISPOSAL
 Archive samples
 Other _____
 Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082			
Art-1022-2022-102		1/13/22	0800	S	3										0.1 24hr TAT
Art-101-1024-102			0820	S	3										0.2
Art-101-104-102			0823	S	3										0.0
Art-107-1022-102			0830	S	3										0.1
Art-TB-100-011322			-	AR											

Fremont Analytical
 Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph: (206) 285-8282

Relinquished by:
Mei Lanier-Kamahara
Received by:
Justine Mantz

Relinquished by:
Justine Mantz
Received by:
Justine Mantz

SIGNATURE
Mei Lanier-Kamahara
Justine Mantz

PRINT NAME
 Mei Lanier-Kamahara
 Justine Mantz

COMPANY
 Aspect Consulting
 FAI

DATE
 1/13/22
 1/13/22

TIME
 10:21
 10:46

SAMPLE CHAIN OF CUSTODY

Report To Ali Cochran + Melanier-Kamalah
 Company Aspect
 Address _____
 City, State, ZIP _____
 Phone _____ Email acochran@aspectmedical.com

SAMPLERS (signature) Melanier-Kamalah
 PROJECT NAME Schnitzer Artise
 REMARKS 24 hr TAT
 PO # 190298-7.1
 INVOICE TO _____
 Project specific RLS? - Yes / No _____

Page # 1 of 1
 TURNAROUND TIME
 Standard turnaround
 RUSH 24 hr
 Rush charges authorized by: _____
 SAMPLE DISPOSAL
 Archive samples
 Other _____
 Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED								Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082				
Art-1022-102		1/13/22	0800	S	3											0.1 24hr TAT
Art-101-1024-102			0820	S	3											0.2
Art-101-104-102			0823	S	3											0.0
Art-107-1022-102			0830	S	3											0.1 HOLD
Art-TB-100-011322			-	AR												mlk 1/13/22

Fremont Analytical
 Friedman & Bruyd, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>Melanier-Kamalah</u>	Melanier-Kamalah	Aspect Consulting	1/13/22	1021
<u>Carrier</u>				
Received by:				



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2201278

January 20, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 1/19/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2201278

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2201278-001	ART-N07-W22-100	01/19/2022 9:00 AM	01/19/2022 12:38 PM
2201278-002	TB-100-011922	01/19/2022 9:00 AM	01/19/2022 12:38 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2201278-001

Collection Date: 1/19/2022 9:00:00 AM

Client Sample ID: ART-N07-W22-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35080

Analyst: TN

Vinyl chloride	ND	0.0222		mg/Kg-dry	1	1/20/2022 4:13:21 AM
1,1-Dichloroethene	ND	0.0889		mg/Kg-dry	1	1/20/2022 4:13:21 AM
trans-1,2-Dichloroethene	ND	0.0267		mg/Kg-dry	1	1/20/2022 4:13:21 AM
cis-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	1/20/2022 4:13:21 AM
Trichloroethene (TCE)	ND	0.0178		mg/Kg-dry	1	1/20/2022 4:13:21 AM
Tetrachloroethene (PCE)	0.655	0.0356		mg/Kg-dry	1	1/20/2022 4:13:21 AM
Surr: Dibromofluoromethane	90.6	80 - 120		%Rec	1	1/20/2022 4:13:21 AM
Surr: Toluene-d8	99.7	80 - 120		%Rec	1	1/20/2022 4:13:21 AM
Surr: 1-Bromo-4-fluorobenzene	88.6	80 - 120		%Rec	1	1/20/2022 4:13:21 AM

Sample Moisture (Percent Moisture)

Batch ID: R72654

Analyst: JM

Percent Moisture	8.20	0.500		wt%	1	1/19/2022 4:02:28 PM
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Lab ID: 2201278-002

Collection Date: 1/19/2022 9:00:00 AM

Client Sample ID: TB-100-011922

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35080

Analyst: TN

Vinyl chloride	ND	0.0250		mg/Kg	1	1/20/2022 3:42:07 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	1/20/2022 3:42:07 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	1/20/2022 3:42:07 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	1/20/2022 3:42:07 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	1/20/2022 3:42:07 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	1/20/2022 3:42:07 AM
Surr: Dibromofluoromethane	88.8	80 - 120		%Rec	1	1/20/2022 3:42:07 AM
Surr: Toluene-d8	100	80 - 120		%Rec	1	1/20/2022 3:42:07 AM
Surr: 1-Bromo-4-fluorobenzene	96.6	80 - 120		%Rec	1	1/20/2022 3:42:07 AM

Work Order: 2201278
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35080	SampType: LCS	Units: mg/Kg				Prep Date: 1/19/2022	RunNo: 72678				
Client ID: LCSS	Batch ID: 35080					Analysis Date: 1/20/2022	SeqNo: 1483285				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.968	0.0250	1.000	0	96.8	80	120				
1,1-Dichloroethene	0.920	0.100	1.000	0	92.0	80	120				
trans-1,2-Dichloroethene	0.977	0.0300	1.000	0	97.7	80	120				
cis-1,2-Dichloroethene	0.950	0.0250	1.000	0	95.0	80	120				
Trichloroethene (TCE)	0.977	0.0200	1.000	0	97.7	80	120				
Tetrachloroethene (PCE)	1.05	0.0400	1.000	0	105	80	120				
Surr: Dibromofluoromethane	1.18		1.250		94.3	80	120				
Surr: Toluene-d8	1.22		1.250		97.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.3	80	120				

Sample ID: MB-35080	SampType: MBLK	Units: mg/Kg				Prep Date: 1/19/2022	RunNo: 72678				
Client ID: MBLKS	Batch ID: 35080					Analysis Date: 1/20/2022	SeqNo: 1483271				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.08		1.250		86.5	80	120				
Surr: Toluene-d8	1.19		1.250		95.2	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.14		1.250		91.4	80	120				

Client Name: **AC**

 Work Order Number: **2201278**

 Logged by: **Gabrielle Coeuille**

 Date Received: **1/19/2022 12:38:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	4.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 1/19/22 Page: 1 of 1

Project Name: The Artise

Project No: 190298

Collected by: MMR

Location: _____

Report To (PM): Ai Lochrane

PM Email: a Lochrane@aspectconsulting.com

Laboratory Project No (Internal): 22012778

Special Remarks: AR 1/19/22

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: ASPECT CONSULTING
Address: 710 2nd AVE SUITE 550
City, State, Zip: SEATTLE, WA 98104
Telephone: 206.949.7478
Fax: _____

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 602 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	PCB+BYPRODUCT	Comments
1. ART-N07-W22-100	1/19/22	0900	8011	3														
2. TB-100-011922	↓	↓	↓	1														
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) _____ Date/Time 1/19/22 13:00
 Print Name Monique Rutter
 Relinquished (Signature) _____ Date/Time 1/19/22 13:00
 Print Name Alex Treys



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2201278

January 20, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 1/19/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2201278**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2201278-001	ART-N07-W22-100	01/19/2022 9:00 AM	01/19/2022 12:38 PM
2201278-002	TB-100-011922	01/19/2022 9:00 AM	01/19/2022 12:38 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

1/20/2022: Revision 1 includes full batch QC for VOCs by EPA 8260.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2201278-001

Collection Date: 1/19/2022 9:00:00 AM

Client Sample ID: ART-N07-W22-100

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35080

Analyst: TN

Vinyl chloride	ND	0.0222		mg/Kg-dry	1	1/20/2022 4:13:21 AM
1,1-Dichloroethene	ND	0.0889		mg/Kg-dry	1	1/20/2022 4:13:21 AM
trans-1,2-Dichloroethene	ND	0.0267		mg/Kg-dry	1	1/20/2022 4:13:21 AM
cis-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	1/20/2022 4:13:21 AM
Trichloroethene (TCE)	ND	0.0178		mg/Kg-dry	1	1/20/2022 4:13:21 AM
Tetrachloroethene (PCE)	0.655	0.0356		mg/Kg-dry	1	1/20/2022 4:13:21 AM
Surr: Dibromofluoromethane	90.6	80 - 120		%Rec	1	1/20/2022 4:13:21 AM
Surr: Toluene-d8	99.7	80 - 120		%Rec	1	1/20/2022 4:13:21 AM
Surr: 1-Bromo-4-fluorobenzene	88.6	80 - 120		%Rec	1	1/20/2022 4:13:21 AM

Sample Moisture (Percent Moisture)

Batch ID: R72654

Analyst: JM

Percent Moisture	8.20	0.500		wt%	1	1/19/2022 4:02:28 PM
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Lab ID: 2201278-002

Collection Date: 1/19/2022 9:00:00 AM

Client Sample ID: TB-100-011922

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35080

Analyst: TN

Vinyl chloride	ND	0.0250		mg/Kg	1	1/20/2022 3:42:07 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	1/20/2022 3:42:07 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	1/20/2022 3:42:07 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	1/20/2022 3:42:07 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	1/20/2022 3:42:07 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	1/20/2022 3:42:07 AM
Surr: Dibromofluoromethane	88.8	80 - 120		%Rec	1	1/20/2022 3:42:07 AM
Surr: Toluene-d8	100	80 - 120		%Rec	1	1/20/2022 3:42:07 AM
Surr: 1-Bromo-4-fluorobenzene	96.6	80 - 120		%Rec	1	1/20/2022 3:42:07 AM

Work Order: 2201278
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35080	SampType: LCS	Units: mg/Kg				Prep Date: 1/19/2022	RunNo: 72678				
Client ID: LCSS	Batch ID: 35080					Analysis Date: 1/20/2022	SeqNo: 1483285				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.968	0.0250	1.000	0	96.8	80	120				
1,1-Dichloroethene	0.920	0.100	1.000	0	92.0	80	120				
trans-1,2-Dichloroethene	0.977	0.0300	1.000	0	97.7	80	120				
cis-1,2-Dichloroethene	0.950	0.0250	1.000	0	95.0	80	120				
Trichloroethene (TCE)	0.977	0.0200	1.000	0	97.7	80	120				
Tetrachloroethene (PCE)	1.05	0.0400	1.000	0	105	80	120				
Surr: Dibromofluoromethane	1.18		1.250		94.3	80	120				
Surr: Toluene-d8	1.22		1.250		97.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.3	80	120				

Sample ID: MB-35080	SampType: MBLK	Units: mg/Kg				Prep Date: 1/19/2022	RunNo: 72678				
Client ID: MBLKS	Batch ID: 35080					Analysis Date: 1/20/2022	SeqNo: 1483271				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.08		1.250		86.5	80	120				
Surr: Toluene-d8	1.19		1.250		95.2	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.14		1.250		91.4	80	120				

Sample ID: 2201279-019BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 1/19/2022	RunNo: 72678				
Client ID: BATCH	Batch ID: 35080					Analysis Date: 1/20/2022	SeqNo: 1483469				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0314						0		30	

Work Order: 2201278
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2201279-019BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/19/2022	RunNo: 72678							
Client ID: BATCH	Batch ID: 35080	Analysis Date: 1/20/2022	SeqNo: 1483469								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.126						0		30	
trans-1,2-Dichloroethene	ND	0.0377						0		30	
cis-1,2-Dichloroethene	ND	0.0314						0		30	
Trichloroethene (TCE)	ND	0.0251						0		30	
Tetrachloroethene (PCE)	ND	0.0503						0		30	
Surr: Dibromofluoromethane	1.39		1.571		88.6	80	120		0		
Surr: Toluene-d8	1.55		1.571		98.8	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.51		1.571		96.3	80	120		0		

Sample ID: 2201278-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/19/2022	RunNo: 72678							
Client ID: ART-N07-W22-100	Batch ID: 35080	Analysis Date: 1/20/2022	SeqNo: 1483470								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.616	0.0222	0.8892	0	69.2	47.4	135				
1,1-Dichloroethene	0.898	0.0889	0.8892	0	101	72.1	129				
trans-1,2-Dichloroethene	0.889	0.0267	0.8892	0	99.9	79.7	122				
cis-1,2-Dichloroethene	0.880	0.0222	0.8892	0	98.9	80.8	121				
Trichloroethene (TCE)	0.945	0.0178	0.8892	0	106	78.4	129				
Tetrachloroethene (PCE)	1.29	0.0356	0.8892	0.6553	71.9	81.3	126				S
Surr: Dibromofluoromethane	1.02		1.112		91.9	80	120				
Surr: Toluene-d8	1.10		1.112		99.0	80	120				
Surr: 1-Bromo-4-fluorobenzene	0.994		1.112		89.4	80	120				

NOTES:

S - Analyte concentration was too high for accurate spike recovery.

Client Name: AC	Work Order Number: 2201278
Logged by: Gabrielle Coeuille	Date Received: 1/19/2022 12:38:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	4.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 1/19/22 Page: 1 of 1

Project Name: The Artise

Project No: 190298

Collected by: MMR

Location: _____

Report To (PM): Ai Lochrane

PM Email: a Lochrane@aspectconsulting.com

Laboratory Project No (Internal): 22012778
Special Remarks: AR 1/19/22

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: ASPECT CONSULTING
Address: 710 2nd AVE SUITE 550
City, State, Zip: SEATTLE, WA 98104
Telephone: 206.949.7478
Fax: _____

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 602 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	PCB+BYPRODUCTS	Comments
1. ART-N07-W22-100	1/19/22	0900	8011	3													
2. TB-100-011922	↓	↓	↓	1													
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) _____ Date/Time 1/19/22 13:00
 Print Name Monique Rutter
 Relinquished (Signature) _____ Date/Time 1/19/22 13:00
 Print Name Alex Treys



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2201349

January 25, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 sample(s) on 1/24/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2201349

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2201349-001	ART-N09-W22-98	01/24/2022 9:35 AM	01/24/2022 3:48 PM
2201349-002	ART-N10-W22-98	01/24/2022 9:40 AM	01/24/2022 3:48 PM
2201349-003	ART-N11-W22-98	01/24/2022 9:45 AM	01/24/2022 3:48 PM
2201349-004	ART-N16-W01-92	01/24/2022 9:50 AM	01/24/2022 3:48 PM
2201349-005	ART-SV34-SV35-92	01/24/2022 10:00 AM	01/24/2022 3:48 PM
2201349-006	ART-SV33-W02-92	01/24/2022 10:05 AM	01/24/2022 3:48 PM
2201349-007	ART-TB-012422	01/24/2022 10:05 AM	01/24/2022 3:48 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2201349-001

Collection Date: 1/24/2022 9:35:00 AM

Client Sample ID: ART-N09-W22-98

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35124

Analyst: MS

Vinyl chloride	ND	0.0185		mg/Kg-dry	1	1/25/2022 7:50:21 AM
1,1-Dichloroethene	ND	0.0742		mg/Kg-dry	1	1/25/2022 7:50:21 AM
trans-1,2-Dichloroethene	ND	0.0223		mg/Kg-dry	1	1/25/2022 7:50:21 AM
cis-1,2-Dichloroethene	ND	0.0185		mg/Kg-dry	1	1/25/2022 7:50:21 AM
Trichloroethene (TCE)	ND	0.0148		mg/Kg-dry	1	1/25/2022 7:50:21 AM
Tetrachloroethene (PCE)	ND	0.0297		mg/Kg-dry	1	1/25/2022 7:50:21 AM
Surr: Dibromofluoromethane	81.7	80 - 120		%Rec	1	1/25/2022 7:50:21 AM
Surr: Toluene-d8	90.6	80 - 120		%Rec	1	1/25/2022 7:50:21 AM
Surr: 1-Bromo-4-fluorobenzene	93.4	80 - 120		%Rec	1	1/25/2022 7:50:21 AM

Sample Moisture (Percent Moisture)

Batch ID: R72756

Analyst: KJ

Percent Moisture	15.0	0.500		wt%	1	1/25/2022 10:02:50 AM
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Lab ID: 2201349-004

Collection Date: 1/24/2022 9:50:00 AM

Client Sample ID: ART-N16-W01-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35124

Analyst: MS

Vinyl chloride	ND	0.0171		mg/Kg-dry	1	1/25/2022 8:21:14 AM
1,1-Dichloroethene	ND	0.0683		mg/Kg-dry	1	1/25/2022 8:21:14 AM
trans-1,2-Dichloroethene	ND	0.0205		mg/Kg-dry	1	1/25/2022 8:21:14 AM
cis-1,2-Dichloroethene	ND	0.0171		mg/Kg-dry	1	1/25/2022 8:21:14 AM
Trichloroethene (TCE)	ND	0.0137		mg/Kg-dry	1	1/25/2022 8:21:14 AM
Tetrachloroethene (PCE)	ND	0.0273		mg/Kg-dry	1	1/25/2022 8:21:14 AM
Surr: Dibromofluoromethane	82.3	80 - 120		%Rec	1	1/25/2022 8:21:14 AM
Surr: Toluene-d8	90.3	80 - 120		%Rec	1	1/25/2022 8:21:14 AM
Surr: 1-Bromo-4-fluorobenzene	93.6	80 - 120		%Rec	1	1/25/2022 8:21:14 AM

Sample Moisture (Percent Moisture)

Batch ID: R72756

Analyst: KJ

Percent Moisture	8.11	0.500		wt%	1	1/25/2022 10:02:50 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2201349-005

Collection Date: 1/24/2022 10:00:00 AM

Client Sample ID: ART-SV34-SV35-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 35124		Analyst: MS
Tetrachloroethene (PCE)	0.0605	0.0284		mg/Kg-dry	1	1/25/2022 8:52:11 AM
Surr: Dibromofluoromethane	82.7	80 - 120		%Rec	1	1/25/2022 8:52:11 AM
Surr: Toluene-d8	90.9	80 - 120		%Rec	1	1/25/2022 8:52:11 AM
Surr: 1-Bromo-4-fluorobenzene	91.4	80 - 120		%Rec	1	1/25/2022 8:52:11 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R72756		Analyst: KJ
Percent Moisture	21.7	0.500		wt%	1	1/25/2022 10:02:50 AM

Lab ID: 2201349-006

Collection Date: 1/24/2022 10:05:00 AM

Client Sample ID: ART-SV33-W02-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 35124		Analyst: MS
Tetrachloroethene (PCE)	1.07	0.0274		mg/Kg-dry	1	1/25/2022 9:23:08 AM
Surr: Dibromofluoromethane	81.9	80 - 120		%Rec	1	1/25/2022 9:23:08 AM
Surr: Toluene-d8	90.7	80 - 120		%Rec	1	1/25/2022 9:23:08 AM
Surr: 1-Bromo-4-fluorobenzene	92.6	80 - 120		%Rec	1	1/25/2022 9:23:08 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R72756		Analyst: KJ
Percent Moisture	18.5	0.500		wt%	1	1/25/2022 10:02:50 AM



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2201349-007

Collection Date: 1/24/2022 10:05:00 AM

Client Sample ID: ART-TB-012422

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 35124		Analyst: MS
Vinyl chloride	ND	0.0250		mg/Kg	1	1/25/2022 12:03:50 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	1/25/2022 12:03:50 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	1/25/2022 12:03:50 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	1/25/2022 12:03:50 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	1/25/2022 12:03:50 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	1/25/2022 12:03:50 AM
Surr: Dibromofluoromethane	82.6	80 - 120		%Rec	1	1/25/2022 12:03:50 AM
Surr: Toluene-d8	90.7	80 - 120		%Rec	1	1/25/2022 12:03:50 AM
Surr: 1-Bromo-4-fluorobenzene	91.7	80 - 120		%Rec	1	1/25/2022 12:03:50 AM

Work Order: 2201349
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35124	SampType: LCS	Units: µg/L	Prep Date: 1/24/2022	RunNo: 72764							
Client ID: LCSS	Batch ID: 35124		Analysis Date: 1/24/2022	SeqNo: 1485181							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.802	0.0250	1.000	0	80.2	80	120				
1,1-Dichloroethene	0.856	0.100	1.000	0	85.6	80	120				
trans-1,2-Dichloroethene	0.901	0.0300	1.000	0	90.1	80	120				
cis-1,2-Dichloroethene	0.883	0.0250	1.000	0	88.3	80	120				
Trichloroethene (TCE)	0.893	0.0200	1.000	0	89.3	80	120				
Tetrachloroethene (PCE)	1.00	0.0400	1.000	0	100	80	120				
Surr: Dibromofluoromethane	1.14		1.250		91.1	80	120				
Surr: Toluene-d8	1.13		1.250		90.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.8	80	120				

Sample ID: MB-35124	SampType: MBLK	Units: mg/Kg	Prep Date: 1/24/2022	RunNo: 72764							
Client ID: MBLKS	Batch ID: 35124		Analysis Date: 1/24/2022	SeqNo: 1485157							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.07		1.250		85.3	80	120				
Surr: Toluene-d8	1.14		1.250		91.2	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.14		1.250		90.9	80	120				

Sample ID: 2201346-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/24/2022	RunNo: 72764							
Client ID: BATCH	Batch ID: 35124		Analysis Date: 1/25/2022	SeqNo: 1485160							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0218						0		30	

Work Order: 2201349
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2201346-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/24/2022	RunNo: 72764							
Client ID: BATCH	Batch ID: 35124	Analysis Date: 1/25/2022	SeqNo: 1485160								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0873						0		30	
trans-1,2-Dichloroethene	ND	0.0262						0		30	
cis-1,2-Dichloroethene	ND	0.0218						0		30	
Trichloroethene (TCE)	ND	0.0175						0		30	
Tetrachloroethene (PCE)	ND	0.0349						0		30	
Surr: Dibromofluoromethane	0.907		1.091		83.1	80	120		0		
Surr: Toluene-d8	0.992		1.091		90.9	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.03		1.091		94.0	80	120		0		

Sample ID: 2201348-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/24/2022	RunNo: 72764							
Client ID: BATCH	Batch ID: 35124	Analysis Date: 1/25/2022	SeqNo: 1485169								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0211						0		30	
1,1-Dichloroethene	ND	0.0846						0		30	
trans-1,2-Dichloroethene	ND	0.0254						0		30	
cis-1,2-Dichloroethene	ND	0.0211						0		30	
Trichloroethene (TCE)	ND	0.0169						0		30	
Tetrachloroethene (PCE)	ND	0.0338						0		30	
Surr: Dibromofluoromethane	0.859		1.057		81.3	80	120		0		
Surr: Toluene-d8	0.950		1.057		89.9	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.993		1.057		94.0	80	120		0		

Sample ID: 2201346-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/24/2022	RunNo: 72764							
Client ID: BATCH	Batch ID: 35124	Analysis Date: 1/25/2022	SeqNo: 1485177								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.28	0.0304	1.216	0	105	47.4	135				
1,1-Dichloroethene	1.36	0.122	1.216	0	111	72.1	129				

Work Order: 2201349
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2201346-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/24/2022	RunNo: 72764							
Client ID: BATCH	Batch ID: 35124		Analysis Date: 1/25/2022	SeqNo: 1485177							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	1.31	0.0365	1.216	0	108	79.7	122				
cis-1,2-Dichloroethene	1.25	0.0304	1.216	0	103	80.8	121				
Trichloroethene (TCE)	1.34	0.0243	1.216	0	110	78.4	129				
Tetrachloroethene (PCE)	1.49	0.0486	1.216	0	123	81.3	126				
Surr: Dibromofluoromethane	0.508		1.520		33.5	80	120				S
Surr: Toluene-d8	1.38		1.520		91.0	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.49		1.520		97.8	80	120				

NOTES:

S - Outlying surrogate recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Client Name: **AC**

 Work Order Number: **2201349**

 Logged by: **Gabrielle Coeuille**

 Date Received: **1/24/2022 3:48:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	1.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave. N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 1/24/22 Page: 1 of 1
Project Name: THE ARTISE
Project No: 190298
Collected by: MME
Location:
Report To (PM): HI COCHRANE
PM Email: acochrane@aspectconsulting.com
Laboratory/Project No (Internal): 2201349
Special Remarks:

Client: ASPECT CONSULTING
Address: 710 2nd AVE SUITE 650
City, State, Zip: SEATTLE, WA 98104
Telephone: 206.949.7478
Fax:

Sample Disposal: Return to client Dispose by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes													Comments		
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals ** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (801)	PCE + BTEX/KUKU			
1 ART-N09-W22-Q8	1/24/22	0935	801	3																SAME DAY TAT
2 ART-N10-W22-Q8		0940																		HOLD
3 ART-N11-W22-Q8		0945																		HOLD
4 ART-N10-W01-Q2		0950																		SAME DAY TAT
5 ART-SV34-SV35-Q2		1000																		SAME DAY TAT
6 ART-SV33-W02-Q2		1005																		SAME DAY TAT
7 ART-TB-012422			1005	2																SAME DAY TAT
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
**Metals (Circle): MTCA-5 RCR-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) *Monica Rutter* Print Name: Monica Rutter Date/Time: 1/24/22 1415
Relinquished (Signature) *Justine Mertz* Print Name: Justine Mertz Date/Time: 1/24/22 15:48

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2201378

January 28, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 1/26/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2201378

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2201378-001	Art-W09-W10-100	01/26/2022 8:45 AM	01/26/2022 11:38 AM
2201378-002	Art-N31-W02-92	01/26/2022 9:15 AM	01/26/2022 11:38 AM
2201378-003	Art-N32-W02-92	01/26/2022 9:20 AM	01/26/2022 11:38 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 1/26/2022 8:45:00 AM

Project: Schnitzer Artise

Lab ID: 2201378-001

Matrix: Soil

Client Sample ID: Art-W09-W10-100

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35150

Analyst: TN

Vinyl chloride	ND	0.0248		mg/Kg-dry	1	1/27/2022 12:05:14 PM
1,1-Dichloroethene	ND	0.0991		mg/Kg-dry	1	1/26/2022 5:21:07 PM
trans-1,2-Dichloroethene	ND	0.0297		mg/Kg-dry	1	1/26/2022 5:21:07 PM
cis-1,2-Dichloroethene	ND	0.0248		mg/Kg-dry	1	1/26/2022 5:21:07 PM
Trichloroethene (TCE)	ND	0.0198		mg/Kg-dry	1	1/26/2022 5:21:07 PM
Tetrachloroethene (PCE)	0.0966	0.0397		mg/Kg-dry	1	1/26/2022 5:21:07 PM
Surr: Dibromofluoromethane	89.7	80 - 120		%Rec	1	1/27/2022 12:05:14 PM
Surr: Toluene-d8	92.1	80 - 120		%Rec	1	1/26/2022 5:21:07 PM
Surr: 1-Bromo-4-fluorobenzene	92.9	80 - 120		%Rec	1	1/26/2022 5:21:07 PM

Sample Moisture (Percent Moisture)

Batch ID: R72794

Analyst: MCH

Percent Moisture	8.62	0.500		wt%	1	1/26/2022 3:17:15 PM
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Client: Aspect Consulting

Collection Date: 1/26/2022 9:15:00 AM

Project: Schnitzer Artise

Lab ID: 2201378-002

Matrix: Soil

Client Sample ID: Art-N31-W02-92

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35150

Analyst: TN

Tetrachloroethene (PCE)	0.0582	0.0524		mg/Kg-dry	1	1/26/2022 5:52:53 PM
Surr: Dibromofluoromethane	87.3	80 - 120		%Rec	1	1/27/2022 12:35:42 PM
Surr: Toluene-d8	91.6	80 - 120		%Rec	1	1/26/2022 5:52:53 PM
Surr: 1-Bromo-4-fluorobenzene	92.5	80 - 120		%Rec	1	1/26/2022 5:52:53 PM

Sample Moisture (Percent Moisture)

Batch ID: R72799

Analyst: KJ

Percent Moisture	17.6	0.500		wt%	1	1/26/2022 5:24:49 PM
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Client: Aspect Consulting

Collection Date: 1/26/2022 9:20:00 AM

Project: Schnitzer Artise

Lab ID: 2201378-003

Matrix: Soil

Client Sample ID: Art-N32-W02-92

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35161

Analyst: TN

Vinyl chloride	ND	0.0321		mg/Kg-dry	1	1/28/2022 2:06:35 PM
1,1-Dichloroethene	ND	0.128		mg/Kg-dry	1	1/28/2022 2:06:35 PM
trans-1,2-Dichloroethene	ND	0.0385		mg/Kg-dry	1	1/28/2022 2:06:35 PM
cis-1,2-Dichloroethene	ND	0.0321		mg/Kg-dry	1	1/28/2022 2:06:35 PM
Trichloroethene (TCE)	ND	0.0257		mg/Kg-dry	1	1/28/2022 2:06:35 PM
Tetrachloroethene (PCE)	0.107	0.0513		mg/Kg-dry	1	1/28/2022 2:06:35 PM
Surr: Dibromofluoromethane	92.6	80 - 120		%Rec	1	1/28/2022 2:06:35 PM
Surr: Toluene-d8	96.6	80 - 120		%Rec	1	1/28/2022 2:06:35 PM
Surr: 1-Bromo-4-fluorobenzene	98.5	80 - 120		%Rec	1	1/28/2022 2:06:35 PM

Sample Moisture (Percent Moisture)

Batch ID: R72837

Analyst: KJ

Percent Moisture	19.6	0.500		wt%	1	1/27/2022 5:18:24 PM
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Work Order: 2201378
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35150	SampType: LCS	Units: µg/L				Prep Date: 1/26/2022	RunNo: 72800				
Client ID: LCSS	Batch ID: 35150					Analysis Date: 1/26/2022	SeqNo: 1485702				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.891	0.100	1.000	0	89.1	80	120				
trans-1,2-Dichloroethene	0.919	0.0300	1.000	0	91.9	80	120				
cis-1,2-Dichloroethene	0.922	0.0250	1.000	0	92.2	80	120				
Trichloroethene (TCE)	0.960	0.0200	1.000	0	96.0	80	120				
Tetrachloroethene (PCE)	1.14	0.0400	1.000	0	114	80	120				
Surr: Dibromofluoromethane	0.947		1.250		75.7	80	120				S
Surr: Toluene-d8	1.14		1.250		91.2	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.6	80	120				
NOTES:											
S - Outlying surrogate recovery(ies) observed.											

Sample ID: MB-35150	SampType: MBLK	Units: mg/Kg				Prep Date: 1/26/2022	RunNo: 72800				
Client ID: MBLKS	Batch ID: 35150					Analysis Date: 1/26/2022	SeqNo: 1485699				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	0.788		1.250		63.0	80	120				S
Surr: Toluene-d8	1.15		1.250		91.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.15		1.250		92.0	80	120				
NOTES:											
S - Outlying surrogate recovery(ies) observed.											

Sample ID: 2201378-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 1/26/2022	RunNo: 72800				
Client ID: Art-W09-W10-100	Batch ID: 35150					Analysis Date: 1/26/2022	SeqNo: 1485704				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0248						0		30	Q

Work Order: 2201378
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2201378-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 1/26/2022	RunNo: 72800							
Client ID: Art-W09-W10-100	Batch ID: 35150		Analysis Date: 1/26/2022	SeqNo: 1485704							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	ND	0.0991						0		30	
trans-1,2-Dichloroethene	ND	0.0297						0		30	
cis-1,2-Dichloroethene	ND	0.0248						0		30	
Trichloroethene (TCE)	ND	0.0198						0		30	
Tetrachloroethene (PCE)	0.0950	0.0397						0.09662	1.65	30	
Surr: Dibromofluoromethane	0.808		1.239		65.2	80	120		0		S
Surr: Toluene-d8	1.13		1.239		91.1	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.13		1.239		91.4	80	120		0		

NOTES:

- S - Outlying surrogate recovery(ies) observed.
- Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: 2201378-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 1/26/2022	RunNo: 72800							
Client ID: Art-N31-W02-92	Batch ID: 35150		Analysis Date: 1/26/2022	SeqNo: 1485705							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	1.51	0.0328	1.311	0	115	47.4	135				
1,1-Dichloroethene	1.56	0.131	1.311	0	119	72.1	129				
trans-1,2-Dichloroethene	1.56	0.0393	1.311	0	119	79.7	122				
cis-1,2-Dichloroethene	1.49	0.0328	1.311	0	114	80.8	121				
Trichloroethene (TCE)	1.62	0.0262	1.311	0	124	78.4	129				
Tetrachloroethene (PCE)	1.92	0.0524	1.311	0.05824	142	81.3	126				S
Surr: Dibromofluoromethane	1.12		1.638		68.6	80	120				S
Surr: Toluene-d8	1.51		1.638		92.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.55		1.638		94.5	80	120				

NOTES:

- S - Outlying spike recovery(ies) observed.
- S - Outlying surrogate recovery(ies) observed.

Work Order: 2201378
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35150	SampType: LCS	Units: µg/L	Prep Date: 1/26/2022	RunNo: 72838							
Client ID: LCSS	Batch ID: 35150		Analysis Date: 1/27/2022	SeqNo: 1486414							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	0.808	0.0250	1.000	0	80.8	80	120				
Surr: Dibromofluoromethane	1.14		1.250		91.6	80	120				
Surr: Toluene-d8	1.12		1.250		89.7	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	80	120				

Sample ID: MB-35150	SampType: CCB	Units: mg/Kg	Prep Date: 1/26/2022	RunNo: 72838							
Client ID: CCB	Batch ID: 35150		Analysis Date: 1/27/2022	SeqNo: 1486414							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.0250									
Surr: Dibromofluoromethane	25.0		25.00		100	80	120				
Surr: Toluene-d8	23.6		25.00		94.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.0		25.00		96.0	80	120				

Sample ID: LCS-35161	SampType: LCS	Units: mg/Kg	Prep Date: 1/27/2022	RunNo: 72860							
Client ID: LCSS	Batch ID: 35161		Analysis Date: 1/28/2022	SeqNo: 1486913							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	0.843	0.0250	1.000	0	84.3	80	120				
1,1-Dichloroethene	0.821	0.100	1.000	0	82.1	80	120				
trans-1,2-Dichloroethene	0.840	0.0300	1.000	0	84.0	80	120				
cis-1,2-Dichloroethene	0.859	0.0250	1.000	0	85.9	80	120				
Trichloroethene (TCE)	0.811	0.0200	1.000	0	81.1	80	120				
Tetrachloroethene (PCE)	0.858	0.0400	1.000	0	85.8	80	120				
Surr: Dibromofluoromethane	1.20		1.250		95.7	80	120				
Surr: Toluene-d8	1.25		1.250		99.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.8	80	120				

Work Order: 2201378
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-35161	SampType: MBLK	Units: mg/Kg	Prep Date: 1/27/2022	RunNo: 72860							
Client ID: MBLKS	Batch ID: 35161		Analysis Date: 1/28/2022	SeqNo: 1486911							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.24		1.250		99.2	80	120				
Surr: Toluene-d8	1.25		1.250		99.7	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	80	120				

Client Name: **AC**

 Work Order Number: **2201378**

 Logged by: **Clare Griggs**

 Date Received: **1/26/2022 11:38:00 AM**
Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

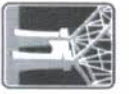
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	5.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont

ANALYTICAL

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 1/26/22 Page: 1 of 1

Project Name: Schmitzer

Project No: 190298

Collected by: DRS

Location:

Report To (PM): Al Cashman

PM Email: acashman@aspectconsulting.com

Laboratory Project No (Internal): 2201378

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: Aspect Consulting
Address:
City, State, Zip:
Telephone: 316.617.0499
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 - SIM)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	PCB + Breakdown	PCB	Comments	
1 Art-WD9-W10-100	1/26/22	0845	Soil	3																
2 Art-N31-W02-9Z		0915																		
3 Art-N32-W02-9Z		0920																		Hold
4																				
5																				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) _____ Date/Time _____
 Relinquished (Signature) _____ Date/Time _____
 Relinquished (Signature) _____ Date/Time _____



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 1/26/22 Page: 1 of 1
Project Name: Schmitz
Project No: 190298
Collected by: DRS
Laboratory Project No (Internal): 2201378
Special Remarks: **Add analysis 1/27/22 per AC-gac ASAP**

Client: **Aspet Consulting**
Address: _____
City, State, Zip: _____
Telephone: **316.617.0199**
Fax: _____

Location: _____
Report To (PM): **Al Cashman**
PM Email: **acashman@aspetconsulting.com**
Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (801)	PCP + Breakdown	PCP	Comments	
1 Art-WD9-WI0-100	1/26/22	0845	SP-1	3																
2 Art-NS1-W02-912		0915																		
3 Art-NS3-W02-912		0920																		Hold
4																				
5																				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Date/Time: 1/26/22 1100
Print Name: Daniel Eckhart
Received (Signature) _____ Date/Time: 1/26/22 1138
Print Name: Kelsie Jones
Relinquished (Signature) _____ Date/Time: _____
Print Name: _____



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2202064

February 21, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 2/2/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o



Date: 02/21/2022

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2202064

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2202064-001	Art-W18-W19-92	02/02/2022 1:00 PM	02/02/2022 4:04 PM
2202064-002	Art-W21-W22-92	02/02/2022 1:15 PM	02/02/2022 4:04 PM
2202064-003	Trip Blank		02/02/2022 4:04 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2202064-001

Collection Date: 2/2/2022 1:00:00 PM

Client Sample ID: Art-W18-W19-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35254

Analyst: TN

Vinyl chloride	ND	0.0322		mg/Kg-dry	1	2/4/2022 8:54:53 PM
1,1-Dichloroethene	ND	0.129		mg/Kg-dry	1	2/3/2022 7:32:44 PM
trans-1,2-Dichloroethene	ND	0.0387		mg/Kg-dry	1	2/3/2022 7:32:44 PM
cis-1,2-Dichloroethene	ND	0.0322		mg/Kg-dry	1	2/3/2022 7:32:44 PM
Trichloroethene (TCE)	ND	0.0258		mg/Kg-dry	1	2/3/2022 7:32:44 PM
Tetrachloroethene (PCE)	ND	0.0516		mg/Kg-dry	1	2/3/2022 7:32:44 PM
Surr: Dibromofluoromethane	95.3	80 - 120		%Rec	1	2/3/2022 7:32:44 PM
Surr: Toluene-d8	98.7	80 - 120		%Rec	1	2/3/2022 7:32:44 PM
Surr: 1-Bromo-4-fluorobenzene	98.1	80 - 120		%Rec	1	2/3/2022 7:32:44 PM

Sample Moisture (Percent Moisture)

Batch ID: R73102

Analyst: KJ

Percent Moisture	9.48	0.500		wt%	1	2/7/2022 3:52:32 PM
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Lab ID: 2202064-002

Collection Date: 2/2/2022 1:15:00 PM

Client Sample ID: Art-W21-W22-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35254

Analyst: TN

Vinyl chloride	ND	0.0267		mg/Kg-dry	1	2/4/2022 9:25:55 PM
1,1-Dichloroethene	ND	0.107		mg/Kg-dry	1	2/3/2022 8:04:41 PM
trans-1,2-Dichloroethene	ND	0.0321		mg/Kg-dry	1	2/3/2022 8:04:41 PM
cis-1,2-Dichloroethene	ND	0.0267		mg/Kg-dry	1	2/3/2022 8:04:41 PM
Trichloroethene (TCE)	ND	0.0214		mg/Kg-dry	1	2/3/2022 8:04:41 PM
Tetrachloroethene (PCE)	ND	0.0428		mg/Kg-dry	1	2/3/2022 8:04:41 PM
Surr: Dibromofluoromethane	94.1	80 - 120		%Rec	1	2/3/2022 8:04:41 PM
Surr: Toluene-d8	98.4	80 - 120		%Rec	1	2/3/2022 8:04:41 PM
Surr: 1-Bromo-4-fluorobenzene	98.8	80 - 120		%Rec	1	2/3/2022 8:04:41 PM

Sample Moisture (Percent Moisture)

Batch ID: R73102

Analyst: KJ

Percent Moisture	13.8	0.500		wt%	1	2/7/2022 3:52:32 PM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2202064-003

Client Sample ID: Trip Blank

Collection Date:

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35254

Analyst: TN

Vinyl chloride	ND	0.0250		mg/Kg	1	2/4/2022 7:52:44 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	2/3/2022 6:28:40 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	2/3/2022 6:28:40 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	2/3/2022 6:28:40 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	2/3/2022 6:28:40 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	2/3/2022 6:28:40 PM
Surr: Dibromofluoromethane	94.8	80 - 120		%Rec	1	2/3/2022 6:28:40 PM
Surr: Toluene-d8	98.0	80 - 120		%Rec	1	2/3/2022 6:28:40 PM
Surr: 1-Bromo-4-fluorobenzene	97.7	80 - 120		%Rec	1	2/3/2022 6:28:40 PM

Work Order: 2202064
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35254	SampType: LCS	Units: µg/L	Prep Date: 2/3/2022	RunNo: 73054							
Client ID: LCSS	Batch ID: 35254		Analysis Date: 2/3/2022	SeqNo: 1491599							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.853	0.100	1.000	0	85.3	80	120				
trans-1,2-Dichloroethene	0.914	0.0300	1.000	0	91.4	80	120				
cis-1,2-Dichloroethene	0.918	0.0250	1.000	0	91.8	80	120				
Trichloroethene (TCE)	0.923	0.0200	1.000	0	92.3	80	120				
Tetrachloroethene (PCE)	0.934	0.0400	1.000	0	93.4	80	120				
Surr: Dibromofluoromethane	1.31		1.250		105	80	120				
Surr: Toluene-d8	1.22		1.250		97.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.26		1.250		101	80	120				

Sample ID: MB-35254	SampType: MBLK	Units: mg/Kg	Prep Date: 2/3/2022	RunNo: 73054							
Client ID: MBLKS	Batch ID: 35254		Analysis Date: 2/3/2022	SeqNo: 1491581							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.20		1.250		95.9	80	120				
Surr: Toluene-d8	1.23		1.250		98.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.6	80	120				

Sample ID: 2201458-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/3/2022	RunNo: 73054							
Client ID: BATCH	Batch ID: 35254		Analysis Date: 2/3/2022	SeqNo: 1491588							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.181						0		30	
trans-1,2-Dichloroethene	ND	0.0542						0		30	
cis-1,2-Dichloroethene	ND	0.0451						0		30	

Work Order: 2202064
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2201458-002BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 2/3/2022	RunNo: 73054						
Client ID: BATCH	Batch ID: 35254			Analysis Date: 2/3/2022	SeqNo: 1491588						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0361						0		30	
Tetrachloroethene (PCE)	0.537	0.0722						0.5023	6.65	30	
Surr: Dibromofluoromethane	2.14		2.257		94.7	80	120		0		
Surr: Toluene-d8	2.20		2.257		97.3	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	2.21		2.257		97.7	80	120		0		

Sample ID: 2202057-003BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 2/3/2022	RunNo: 73054						
Client ID: BATCH	Batch ID: 35254			Analysis Date: 2/4/2022	SeqNo: 1491594						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0615						0		30	
trans-1,2-Dichloroethene	ND	0.0185						0		30	
cis-1,2-Dichloroethene	ND	0.0154						0		30	
Trichloroethene (TCE)	ND	0.0123						0		30	
Tetrachloroethene (PCE)	ND	0.0246						0		30	
Surr: Dibromofluoromethane	0.692		0.7688		90.0	80	120		0		
Surr: Toluene-d8	0.757		0.7688		98.4	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.781		0.7688		102	80	120		0		

Sample ID: 2202057-005BMS	SampType: MS	Units: mg/Kg-dry		Prep Date: 2/3/2022	RunNo: 73054						
Client ID: BATCH	Batch ID: 35254			Analysis Date: 2/4/2022	SeqNo: 1491597						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.452	0.0158	0.6331	0	71.4	47.4	135				
1,1-Dichloroethene	0.590	0.0633	0.6331	0	93.3	72.1	129				
trans-1,2-Dichloroethene	0.608	0.0190	0.6331	0	96.0	79.7	122				
cis-1,2-Dichloroethene	0.619	0.0158	0.6331	0	97.8	80.8	121				
Trichloroethene (TCE)	0.631	0.0127	0.6331	0	99.6	78.4	129				
Tetrachloroethene (PCE)	0.636	0.0253	0.6331	0	101	81.3	126				

Work Order: 2202064
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2202057-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 2/3/2022	RunNo: 73054							
Client ID: BATCH	Batch ID: 35254		Analysis Date: 2/4/2022	SeqNo: 1491597							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	0.836		0.7913		106	80	120				
Surr: Toluene-d8	0.774		0.7913		97.9	80	120				
Surr: 1-Bromo-4-fluorobenzene	0.791		0.7913		99.9	80	120				

Sample ID: LCS-35254	SampType: LCS	Units: µg/L	Prep Date: 2/3/2022	RunNo: 73054							
Client ID: LCSS	Batch ID: 35254		Analysis Date: 2/4/2022	SeqNo: 1492225							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	0.978	0.0250	1.000	0	97.8	80	120				
Surr: Dibromofluoromethane	1.34		1.250		107	80	120				
Surr: Toluene-d8	1.22		1.250		97.6	80	120				

Sample ID: MB-35254	SampType: MBLK	Units: mg/Kg	Prep Date: 2/3/2022	RunNo: 73054							
Client ID: MBLKS	Batch ID: 35254		Analysis Date: 2/4/2022	SeqNo: 1492085							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.0250									
Surr: Dibromofluoromethane	1.25		1.250		100	80	120				
Surr: Toluene-d8	1.21		1.250		97.1	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		98.9	80	120				

Sample ID: 2201458-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/3/2022	RunNo: 73054							
Client ID: BATCH	Batch ID: 35254		Analysis Date: 2/4/2022	SeqNo: 1492092							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.0451						0		30	
Surr: Dibromofluoromethane	2.18		2.257		96.7	80	120		0		
Surr: Toluene-d8	2.20		2.257		97.7	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	2.27		2.257		101	80	120		0		

Work Order: 2202064
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2201458-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/3/2022	RunNo: 73054							
Client ID: BATCH	Batch ID: 35254	Analysis Date: 2/4/2022	SeqNo: 1492092								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2202057-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/3/2022	RunNo: 73054							
Client ID: BATCH	Batch ID: 35254	Analysis Date: 2/5/2022	SeqNo: 1492098								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.0154						0		30	
Surr: Dibromofluoromethane	0.708		0.7688		92.0	80	120		0		
Surr: Toluene-d8	0.749		0.7688		97.5	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.725		0.7688		94.4	80	120		0		

Client Name: **AC**

 Work Order Number: **2202064**

 Logged by: **Gabrielle Coeuille**

 Date Received: **2/2/2022 4:04:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

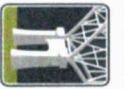
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	2.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont

Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 2/22/22 Page: 1 of 1

Laboratory Project No (Internal): 2202064

Project Name: Skates

Special Remarks:

Project No: 190298

Client: Aspect Consultans

Collected by: DRS

Address:

Location:

City, State, Zip:

Report To (PM): Al Cabrone

Sample Disposal: Return to client Disposal by lab (after 30 days)

Telephone: 316 617 0499

PM Email: acabrone@aspectconsultans.com

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HClD)	Diesel/Heav Oil Range Organics (DOX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals*** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (801)	PCB + BSLKAW	Comments	
1 Art-W18-W19-9Z	2/22/22	1300	SW:1	3															
2 Art-W21-W22-9Z		1315	SW:1	3															
3 TFB Blank-H				1															
4																			
5																			
6																			
7																			
8																			
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals Circle: MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions Circle: Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:

Standard Next Day

3 Day Same Day

2 Day _____ (specify)

Relinquished (Signature) x

Print Name

Date/Time

Received (Signature) x

Print Name

Date/Time

Relinquished (Signature) x

Print Name

Date/Time

Received (Signature) x

Print Name

Date/Time

Paul Eckelt

2/22

1527

Kelsey Jones

Kelsey Jones

2/22/22 1604



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2202450

February 22, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 2/21/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2202450

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2202450-001	Art-N25-W02-92	02/21/2022 12:30 PM	02/21/2022 3:00 PM
2202450-002	Art-N27-W03-92	02/21/2022 12:40 PM	02/21/2022 3:00 PM
2202450-003	Art-N34-W02-92	02/21/2022 1:10 PM	02/21/2022 3:00 PM
2202450-004	Art-N33-W03-92	02/21/2022 1:20 PM	02/21/2022 3:00 PM
2202450-005	Art-TB-42	02/21/2022 12:00 AM	02/21/2022 3:00 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Associated LCS is outside of control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Method Detection Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting
Project: Schnitzer Artise
Lab ID: 2202450-001
Client Sample ID: Art-N25-W02-92

Collection Date: 2/21/2022 12:30:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35464 Analyst: IH

Tetrachloroethene (PCE)	ND	0.0823	0.00969		mg/Kg-dry	1	02/22/22 12:41:41
Surr: Dibromofluoromethane	111	80 - 120	0		%Rec	1	02/22/22 12:41:41
Surr: Toluene-d8	109	80 - 120	0		%Rec	1	02/22/22 12:41:41
Surr: 1-Bromo-4-fluorobenzene	96.0	80 - 120	0		%Rec	1	02/22/22 12:41:41

Sample Moisture (Percent Moisture)

Batch ID: R73468 Analyst: CB

Percent Moisture	6.55	0.500	0.100		wt%	1	02/21/22 16:30:37
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Client: Aspect Consulting
Project: Schnitzer Artise
Lab ID: 2202450-002
Client Sample ID: Art-N27-W03-92

Collection Date: 2/21/2022 12:40:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35464 Analyst: IH

Tetrachloroethene (PCE)	ND	0.0657	0.00774		mg/Kg-dry	1	02/22/22 13:11:43
Surr: Dibromofluoromethane	109	80 - 120	0		%Rec	1	02/22/22 13:11:43
Surr: Toluene-d8	107	80 - 120	0		%Rec	1	02/22/22 13:11:43
Surr: 1-Bromo-4-fluorobenzene	95.1	80 - 120	0		%Rec	1	02/22/22 13:11:43

Sample Moisture (Percent Moisture)

Batch ID: R73468 Analyst: CB

Percent Moisture	18.7	0.500	0.100		wt%	1	02/21/22 16:30:37
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Client: Aspect Consulting
Project: Schnitzer Artise
Lab ID: 2202450-003
Client Sample ID: Art-N34-W02-92

Collection Date: 2/21/2022 1:10:00 PM

Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35464 Analyst: IH

Tetrachloroethene (PCE)	ND	0.0423	0.00498		mg/Kg-dry	1	02/22/22 13:41:54
Surr: Dibromofluoromethane	105	80 - 120	0		%Rec	1	02/22/22 13:41:54
Surr: Toluene-d8	108	80 - 120	0		%Rec	1	02/22/22 13:41:54
Surr: 1-Bromo-4-fluorobenzene	101	80 - 120	0		%Rec	1	02/22/22 13:41:54

Sample Moisture (Percent Moisture)

Batch ID: R73468 Analyst: CB

Percent Moisture	5.49	0.500	0.100		wt%	1	02/21/22 16:30:37
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Client: Aspect Consulting
Project: Schnitzer Artise
Lab ID: 2202450-004
Client Sample ID: Art-N33-W03-92

Collection Date: 2/21/2022 1:20:00 PM

Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35464 Analyst: IH

Tetrachloroethene (PCE)	0.111	0.0634	0.00747		mg/Kg-dry	1	02/22/22 14:12:06
Surr: Dibromofluoromethane	110	80 - 120	0		%Rec	1	02/22/22 14:12:06
Surr: Toluene-d8	109	80 - 120	0		%Rec	1	02/22/22 14:12:06
Surr: 1-Bromo-4-fluorobenzene	94.9	80 - 120	0		%Rec	1	02/22/22 14:12:06

Sample Moisture (Percent Moisture)

Batch ID: R73468 Analyst: CB

Percent Moisture	20.8	0.500	0.100		wt%	1	02/21/22 16:30:37
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Client: Aspect Consulting
Project: Schnitzer Artise
Lab ID: 2202450-005
Client Sample ID: Art-TB-42

Collection Date: 2/21/2022

Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35464

Analyst: IH

Tetrachloroethene (PCE)	ND	0.0400	0.00471		mg/Kg	1	02/22/22 15:12:29
Surr: Dibromofluoromethane	104	80 - 120	0		%Rec	1	02/22/22 15:12:29
Surr: Toluene-d8	110	80 - 120	0		%Rec	1	02/22/22 15:12:29
Surr: 1-Bromo-4-fluorobenzene	95.8	80 - 120	0		%Rec	1	02/22/22 15:12:29

Work Order: 2202450
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35464	SampType: LCS	Units: mg/Kg	Prep Date: 2/21/2022	RunNo: 73505							
Client ID: LCSS	Batch ID: 35464		Analysis Date: 2/21/2022	SeqNo: 1502150							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.00	0.0400	1.000	0	100	80	120				
Surr: Dibromofluoromethane	1.27		1.250		102	80	120				
Surr: Toluene-d8	1.21		1.250		97.1	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	80	120				

Sample ID: MB-35464	SampType: MBLK	Units: mg/Kg	Prep Date: 2/21/2022	RunNo: 73505							
Client ID: MBLKS	Batch ID: 35464		Analysis Date: 2/22/2022	SeqNo: 1502128							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.22		1.250		98.0	80	120				
Surr: Toluene-d8	0.588		1.250		47.0	80	120				S
Surr: 1-Bromo-4-fluorobenzene	1.16		1.250		92.6	80	120				

NOTES:
S - Outlying surrogate recovery(ies) observed.

Sample ID: 2202096-012BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/21/2022	RunNo: 73505							
Client ID: BATCH	Batch ID: 35464		Analysis Date: 2/22/2022	SeqNo: 1502135							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.116	0.0540						0.2306	66.4	30	RH
Surr: Dibromofluoromethane	1.58		1.686		93.9	80	120		0		H
Surr: Toluene-d8	1.64		1.686		97.5	80	120		0		H
Surr: 1-Bromo-4-fluorobenzene	1.52		1.686		89.9	80	120		0		H

Sample ID: 2202450-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/21/2022	RunNo: 73513							
Client ID: Art-N33-W03-92	Batch ID: 35464		Analysis Date: 2/22/2022	SeqNo: 1502334							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.106	0.0634						0.1110	4.73	30	
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Work Order: 2202450
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2202450-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/21/2022	RunNo: 73513							
Client ID: Art-N33-W03-92	Batch ID: 35464		Analysis Date: 2/22/2022	SeqNo: 1502334							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	2.20		1.981		111	80	120		0		
Surr: Toluene-d8	2.16		1.981		109	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.90		1.981		96.1	80	120		0		

Sample ID: 2202450-005AMS	SampType: MS	Units: mg/Kg	Prep Date: 2/21/2022	RunNo: 73513							
Client ID: Art-TB-42	Batch ID: 35464		Analysis Date: 2/22/2022	SeqNo: 1502336							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.22	0.0400	1.000	0	122	81.3	126				
Surr: Dibromofluoromethane	1.42		1.250		113	80	120				
Surr: Toluene-d8	1.31		1.250		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.32		1.250		105	80	120				

Client Name: **AC**
 Logged by: **Clare Griggs**

 Work Order Number: **2202450**
 Date Received: **2/21/2022 3:00:00 PM**
Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	4.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 2/21/22

Page: 1 of 1

Laboratory Project No (Internal): 2202450

Client: Aspect Consulting

Project Name: Skagitzer

Project No: 140248

Special Remarks:

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0414

Report To (PM): Ai Carlson

Sample Disposal: Return to client Disposal by lab (after 30 days)

Fax:

PM Email: carlson@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8013)	Comments
1 Art-N25-W02-9Z	2/21/22	1230	Soil	3													
2 Art-N27-W03-9Z		1240															
3 Art-N34-W02-9Z		1310															
4 Art-N33-W03-9Z		1320															
5 Art-TB-4Z	2/21/22	-	AQ	1													
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) <i>[Signature]</i>	Print Name	Date/Time	Received (Signature) <i>[Signature]</i>	Print Name	Date/Time
Relinquished (Signature) <i>[Signature]</i>	Print Name	Date/Time	Received (Signature) <i>[Signature]</i>	Print Name	Date/Time



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2202502

February 25, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 sample(s) on 2/24/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brianna Barnes".

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2202502

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2202502-001	Art-N3-W10-92	02/23/2022 12:00 PM	02/24/2022 10:11 AM
2202502-002	Art-N3-W13-92	02/23/2022 12:10 PM	02/24/2022 10:11 AM
2202502-003	Art-N12-W11-92	02/23/2022 12:40 PM	02/24/2022 10:11 AM
2202502-004	Art-N99-W99-92	02/23/2022 12:20 PM	02/24/2022 10:11 AM
2202502-005	Art-N10-W10-91	02/23/2022 12:30 PM	02/24/2022 10:11 AM
2202502-006	Art-N22-W16-90	02/23/2022 2:50 PM	02/24/2022 10:11 AM
2202502-007	Art-TB-43	02/23/2022 12:00 AM	02/24/2022 10:11 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2202502-001

Collection Date: 2/23/2022 12:00:00 PM

Client Sample ID: Art-N3-W10-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0321		mg/Kg-dry	1	2/24/2022 10:41:45 PM
1,1-Dichloroethene	ND	0.128		mg/Kg-dry	1	2/24/2022 10:41:45 PM
trans-1,2-Dichloroethene	ND	0.0385		mg/Kg-dry	1	2/24/2022 10:41:45 PM
cis-1,2-Dichloroethene	ND	0.0321		mg/Kg-dry	1	2/24/2022 10:41:45 PM
Trichloroethene (TCE)	ND	0.0257		mg/Kg-dry	1	2/24/2022 10:41:45 PM
Tetrachloroethene (PCE)	0.369	0.0385		mg/Kg-dry	1	2/24/2022 10:41:45 PM
Surr: Dibromofluoromethane	96.5	80 - 120		%Rec	1	2/24/2022 10:41:45 PM
Surr: Toluene-d8	96.0	80 - 120		%Rec	1	2/24/2022 10:41:45 PM
Surr: 1-Bromo-4-fluorobenzene	106	80 - 120		%Rec	1	2/24/2022 10:41:45 PM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	15.2	0.500		wt%	1	2/25/2022 9:14:14 AM
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Lab ID: 2202502-002

Collection Date: 2/23/2022 12:10:00 PM

Client Sample ID: Art-N3-W13-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0392		mg/Kg-dry	1	2/24/2022 11:42:26 PM
1,1-Dichloroethene	ND	0.157		mg/Kg-dry	1	2/24/2022 11:42:26 PM
trans-1,2-Dichloroethene	ND	0.0471		mg/Kg-dry	1	2/24/2022 11:42:26 PM
cis-1,2-Dichloroethene	ND	0.0392		mg/Kg-dry	1	2/24/2022 11:42:26 PM
Trichloroethene (TCE)	ND	0.0314		mg/Kg-dry	1	2/24/2022 11:42:26 PM
Tetrachloroethene (PCE)	ND	0.0471		mg/Kg-dry	1	2/24/2022 11:42:26 PM
Surr: Dibromofluoromethane	93.8	80 - 120		%Rec	1	2/24/2022 11:42:26 PM
Surr: Toluene-d8	97.2	80 - 120		%Rec	1	2/24/2022 11:42:26 PM
Surr: 1-Bromo-4-fluorobenzene	105	80 - 120		%Rec	1	2/24/2022 11:42:26 PM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	15.7	0.500		wt%	1	2/25/2022 9:14:14 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2202502-003

Collection Date: 2/23/2022 12:40:00 PM

Client Sample ID: Art-N12-W11-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0334		mg/Kg-dry	1	2/25/2022 12:12:42 AM
1,1-Dichloroethene	ND	0.133		mg/Kg-dry	1	2/25/2022 12:12:42 AM
trans-1,2-Dichloroethene	ND	0.0400		mg/Kg-dry	1	2/25/2022 12:12:42 AM
cis-1,2-Dichloroethene	ND	0.0334		mg/Kg-dry	1	2/25/2022 12:12:42 AM
Trichloroethene (TCE)	ND	0.0267		mg/Kg-dry	1	2/25/2022 12:12:42 AM
Tetrachloroethene (PCE)	0.213	0.0400		mg/Kg-dry	1	2/25/2022 12:12:42 AM
Surr: Dibromofluoromethane	96.7	80 - 120		%Rec	1	2/25/2022 12:12:42 AM
Surr: Toluene-d8	100	80 - 120		%Rec	1	2/25/2022 12:12:42 AM
Surr: 1-Bromo-4-fluorobenzene	105	80 - 120		%Rec	1	2/25/2022 12:12:42 AM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	21.3	0.500		wt%	1	2/25/2022 9:14:14 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2202502-004

Collection Date: 2/23/2022 12:20:00 PM

Client Sample ID: Art-N99-W99-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0466		mg/Kg-dry	1	2/25/2022 12:43:03 AM
1,1-Dichloroethene	ND	0.187		mg/Kg-dry	1	2/25/2022 12:43:03 AM
trans-1,2-Dichloroethene	ND	0.0560		mg/Kg-dry	1	2/25/2022 12:43:03 AM
cis-1,2-Dichloroethene	ND	0.0466		mg/Kg-dry	1	2/25/2022 12:43:03 AM
Trichloroethene (TCE)	ND	0.0373		mg/Kg-dry	1	2/25/2022 12:43:03 AM
Tetrachloroethene (PCE)	0.235	0.0560		mg/Kg-dry	1	2/25/2022 12:43:03 AM
Surr: Dibromofluoromethane	96.7	80 - 120		%Rec	1	2/25/2022 12:43:03 AM
Surr: Toluene-d8	99.3	80 - 120		%Rec	1	2/25/2022 12:43:03 AM
Surr: 1-Bromo-4-fluorobenzene	105	80 - 120		%Rec	1	2/25/2022 12:43:03 AM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	18.5	0.500		wt%	1	2/25/2022 9:14:14 AM
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Lab ID: 2202502-005

Collection Date: 2/23/2022 12:30:00 PM

Client Sample ID: Art-N10-W10-91

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0313		mg/Kg-dry	1	2/25/2022 1:13:18 AM
1,1-Dichloroethene	ND	0.125		mg/Kg-dry	1	2/25/2022 1:13:18 AM
trans-1,2-Dichloroethene	ND	0.0376		mg/Kg-dry	1	2/25/2022 1:13:18 AM
cis-1,2-Dichloroethene	ND	0.0313		mg/Kg-dry	1	2/25/2022 1:13:18 AM
Trichloroethene (TCE)	ND	0.0251		mg/Kg-dry	1	2/25/2022 1:13:18 AM
Tetrachloroethene (PCE)	ND	0.0376		mg/Kg-dry	1	2/25/2022 1:13:18 AM
Surr: Dibromofluoromethane	96.7	80 - 120		%Rec	1	2/25/2022 1:13:18 AM
Surr: Toluene-d8	93.3	80 - 120		%Rec	1	2/25/2022 1:13:18 AM
Surr: 1-Bromo-4-fluorobenzene	102	80 - 120		%Rec	1	2/25/2022 1:13:18 AM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	19.8	0.500		wt%	1	2/25/2022 9:14:14 AM
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CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2202502-006

Collection Date: 2/23/2022 2:50:00 PM

Client Sample ID: Art-N22-W16-90

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0285		mg/Kg-dry	1	2/25/2022 1:43:34 AM
1,1-Dichloroethene	ND	0.114		mg/Kg-dry	1	2/25/2022 1:43:34 AM
trans-1,2-Dichloroethene	ND	0.0341		mg/Kg-dry	1	2/25/2022 1:43:34 AM
cis-1,2-Dichloroethene	ND	0.0285		mg/Kg-dry	1	2/25/2022 1:43:34 AM
Trichloroethene (TCE)	ND	0.0228		mg/Kg-dry	1	2/25/2022 1:43:34 AM
Tetrachloroethene (PCE)	ND	0.0341		mg/Kg-dry	1	2/25/2022 1:43:34 AM
Surr: Dibromofluoromethane	96.6	80 - 120		%Rec	1	2/25/2022 1:43:34 AM
Surr: Toluene-d8	99.1	80 - 120		%Rec	1	2/25/2022 1:43:34 AM
Surr: 1-Bromo-4-fluorobenzene	105	80 - 120		%Rec	1	2/25/2022 1:43:34 AM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	11.2	0.500		wt%	1	2/25/2022 9:14:14 AM
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Lab ID: 2202502-007

Collection Date: 2/23/2022

Client Sample ID: Art-TB-43

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0250		mg/Kg	1	2/24/2022 10:11:23 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	2/24/2022 10:11:23 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	2/24/2022 10:11:23 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	2/24/2022 10:11:23 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	2/24/2022 10:11:23 PM
Tetrachloroethene (PCE)	ND	0.0300		mg/Kg	1	2/24/2022 10:11:23 PM
Surr: Dibromofluoromethane	96.0	80 - 120		%Rec	1	2/24/2022 10:11:23 PM
Surr: Toluene-d8	90.2	80 - 120		%Rec	1	2/24/2022 10:11:23 PM
Surr: 1-Bromo-4-fluorobenzene	106	80 - 120		%Rec	1	2/24/2022 10:11:23 PM

Work Order: 2202502
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35508	SampType: LCS	Units: µg/L			Prep Date: 2/24/2022	RunNo: 73582					
Client ID: LCSS	Batch ID: 35508				Analysis Date: 2/24/2022	SeqNo: 1504146					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.06	0.0250	1.000	0	106	80	120				
1,1-Dichloroethene	1.03	0.100	1.000	0	103	80	120				
trans-1,2-Dichloroethene	0.836	0.0300	1.000	0	83.6	80	120				
cis-1,2-Dichloroethene	0.974	0.0250	1.000	0	97.4	80	120				
Trichloroethene (TCE)	0.984	0.0200	1.000	0	98.4	80	120				
Tetrachloroethene (PCE)	0.999	0.0300	1.000	0	99.9	80	120				
Surr: Dibromofluoromethane	1.31		1.250		105	80	120				
Surr: Toluene-d8	1.25		1.250		99.9	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.38		1.250		110	80	120				

Sample ID: MB-35508	SampType: MBLK	Units: mg/Kg			Prep Date: 2/24/2022	RunNo: 73582					
Client ID: MBLKS	Batch ID: 35508				Analysis Date: 2/24/2022	SeqNo: 1504199					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0300									
Surr: Dibromofluoromethane	1.16		1.250		92.7	80	120				
Surr: Toluene-d8	1.42		1.250		114	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.250		104	80	120				

Sample ID: 2202502-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 2/24/2022	RunNo: 73582					
Client ID: Art-N3-W10-92	Batch ID: 35508				Analysis Date: 2/24/2022	SeqNo: 1504130					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0321						0		30	

Work Order: 2202502
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2202502-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/24/2022	RunNo: 73582							
Client ID: Art-N3-W10-92	Batch ID: 35508		Analysis Date: 2/24/2022	SeqNo: 1504130							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.128						0		30	
trans-1,2-Dichloroethene	ND	0.0385						0		30	
cis-1,2-Dichloroethene	ND	0.0321						0		30	
Trichloroethene (TCE)	ND	0.0257						0		30	
Tetrachloroethene (PCE)	0.453	0.0385						0.3687	20.4	30	
Surr: Dibromofluoromethane	1.50		1.603		93.3	80	120		0		
Surr: Toluene-d8	1.86		1.603		116	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.69		1.603		105	80	120		0		

Sample ID: 2202502-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 2/24/2022	RunNo: 73582							
Client ID: Art-N22-W16-90	Batch ID: 35508		Analysis Date: 2/25/2022	SeqNo: 1504136							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.30	0.0285	1.138	0	114	47.4	135				
1,1-Dichloroethene	1.59	0.114	1.138	0.06376	134	72.1	129				S
trans-1,2-Dichloroethene	1.15	0.0341	1.138	0	101	79.7	122				
cis-1,2-Dichloroethene	1.06	0.0285	1.138	0.01785	92.0	80.8	121				
Trichloroethene (TCE)	1.31	0.0228	1.138	0	115	78.4	129				
Tetrachloroethene (PCE)	1.29	0.0341	1.138	0	113	81.3	126				
Surr: Dibromofluoromethane	1.49		1.423		105	80	120				
Surr: Toluene-d8	1.39		1.423		97.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.63		1.423		114	80	120				

Client Name: **AC**

 Work Order Number: **2202502**

 Logged by: **Clare Griggs**

 Date Received: **2/24/2022 10:11:00 AM**
Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 2/24/22

Page: 1 of 1

Laboratory Project No (Internal):

2202502

Project Name: Schmitzer

Project No: 190298

Collected by: DIZB

Location:

Report To (PM): Ali Cochrane

Sample Disposal: Return to client Disposal by lab (after 30 days)

Special Remarks:

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone: 316.617.0499

Fax: PM Email: a.cochrane@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	PCE + BTEX/DBP	Comments
1 Art-N3-W10-Q2	2/23/22	1200	Soil	3														
2 Art-N3-W13-Q2		1210																
3 Art-N12-W11-Q2		1240																
4 Art-N99-W99-Q2		1220																
5 Art-N10-W10-Q1		1230																
6 Art-W12-W16-Q2		1450																
7 Art-TB-43			AQ	1														
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____

Received (Signature) _____ Print Name _____ Date/Time _____
 Received (Signature) _____ Print Name _____ Date/Time _____

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2202502

February 25, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 sample(s) on 2/24/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2202502

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2202502-001	Art-N3-W10-92	02/23/2022 12:00 PM	02/24/2022 10:11 AM
2202502-002	Art-N3-W13-92	02/23/2022 12:10 PM	02/24/2022 10:11 AM
2202502-003	Art-N12-W11-92	02/23/2022 12:40 PM	02/24/2022 10:11 AM
2202502-004	Art-N99-W99-92	02/23/2022 12:20 PM	02/24/2022 10:11 AM
2202502-005	Art-N10-W10-91	02/23/2022 12:30 PM	02/24/2022 10:11 AM
2202502-006	Art-W22-W16-90	02/23/2022 2:50 PM	02/24/2022 10:11 AM
2202502-007	Art-TB-43	02/23/2022 12:00 AM	02/24/2022 10:11 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

2/28/2022: Revision 1 includes correction to a sample ID per client request.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2202502-001

Collection Date: 2/23/2022 12:00:00 PM

Client Sample ID: Art-N3-W10-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0321		mg/Kg-dry	1	2/24/2022 10:41:45 PM
1,1-Dichloroethene	ND	0.128		mg/Kg-dry	1	2/24/2022 10:41:45 PM
trans-1,2-Dichloroethene	ND	0.0385		mg/Kg-dry	1	2/24/2022 10:41:45 PM
cis-1,2-Dichloroethene	ND	0.0321		mg/Kg-dry	1	2/24/2022 10:41:45 PM
Trichloroethene (TCE)	ND	0.0257		mg/Kg-dry	1	2/24/2022 10:41:45 PM
Tetrachloroethene (PCE)	0.369	0.0385		mg/Kg-dry	1	2/24/2022 10:41:45 PM
Surr: Dibromofluoromethane	96.5	80 - 120		%Rec	1	2/24/2022 10:41:45 PM
Surr: Toluene-d8	96.0	80 - 120		%Rec	1	2/24/2022 10:41:45 PM
Surr: 1-Bromo-4-fluorobenzene	106	80 - 120		%Rec	1	2/24/2022 10:41:45 PM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	15.2	0.500		wt%	1	2/25/2022 9:14:14 AM
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Lab ID: 2202502-002

Collection Date: 2/23/2022 12:10:00 PM

Client Sample ID: Art-N3-W13-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0392		mg/Kg-dry	1	2/24/2022 11:42:26 PM
1,1-Dichloroethene	ND	0.157		mg/Kg-dry	1	2/24/2022 11:42:26 PM
trans-1,2-Dichloroethene	ND	0.0471		mg/Kg-dry	1	2/24/2022 11:42:26 PM
cis-1,2-Dichloroethene	ND	0.0392		mg/Kg-dry	1	2/24/2022 11:42:26 PM
Trichloroethene (TCE)	ND	0.0314		mg/Kg-dry	1	2/24/2022 11:42:26 PM
Tetrachloroethene (PCE)	ND	0.0471		mg/Kg-dry	1	2/24/2022 11:42:26 PM
Surr: Dibromofluoromethane	93.8	80 - 120		%Rec	1	2/24/2022 11:42:26 PM
Surr: Toluene-d8	97.2	80 - 120		%Rec	1	2/24/2022 11:42:26 PM
Surr: 1-Bromo-4-fluorobenzene	105	80 - 120		%Rec	1	2/24/2022 11:42:26 PM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	15.7	0.500		wt%	1	2/25/2022 9:14:14 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2202502-003

Collection Date: 2/23/2022 12:40:00 PM

Client Sample ID: Art-N12-W11-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 35508		Analyst: MVB
Vinyl chloride	ND	0.0334		mg/Kg-dry	1	2/25/2022 12:12:42 AM
1,1-Dichloroethene	ND	0.133		mg/Kg-dry	1	2/25/2022 12:12:42 AM
trans-1,2-Dichloroethene	ND	0.0400		mg/Kg-dry	1	2/25/2022 12:12:42 AM
cis-1,2-Dichloroethene	ND	0.0334		mg/Kg-dry	1	2/25/2022 12:12:42 AM
Trichloroethene (TCE)	ND	0.0267		mg/Kg-dry	1	2/25/2022 12:12:42 AM
Tetrachloroethene (PCE)	0.213	0.0400		mg/Kg-dry	1	2/25/2022 12:12:42 AM
Surr: Dibromofluoromethane	96.7	80 - 120		%Rec	1	2/25/2022 12:12:42 AM
Surr: Toluene-d8	100	80 - 120		%Rec	1	2/25/2022 12:12:42 AM
Surr: 1-Bromo-4-fluorobenzene	105	80 - 120		%Rec	1	2/25/2022 12:12:42 AM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R73577		Analyst: CB
Percent Moisture	21.3	0.500		wt%	1	2/25/2022 9:14:14 AM



CLIENT: Aspect Consulting

Project: Schnitzer Artise

Lab ID: 2202502-004

Collection Date: 2/23/2022 12:20:00 PM

Client Sample ID: Art-N99-W99-92

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0466		mg/Kg-dry	1	2/25/2022 12:43:03 AM
1,1-Dichloroethene	ND	0.187		mg/Kg-dry	1	2/25/2022 12:43:03 AM
trans-1,2-Dichloroethene	ND	0.0560		mg/Kg-dry	1	2/25/2022 12:43:03 AM
cis-1,2-Dichloroethene	ND	0.0466		mg/Kg-dry	1	2/25/2022 12:43:03 AM
Trichloroethene (TCE)	ND	0.0373		mg/Kg-dry	1	2/25/2022 12:43:03 AM
Tetrachloroethene (PCE)	0.235	0.0560		mg/Kg-dry	1	2/25/2022 12:43:03 AM
Surr: Dibromofluoromethane	96.7	80 - 120		%Rec	1	2/25/2022 12:43:03 AM
Surr: Toluene-d8	99.3	80 - 120		%Rec	1	2/25/2022 12:43:03 AM
Surr: 1-Bromo-4-fluorobenzene	105	80 - 120		%Rec	1	2/25/2022 12:43:03 AM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	18.5	0.500		wt%	1	2/25/2022 9:14:14 AM
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Lab ID: 2202502-005

Collection Date: 2/23/2022 12:30:00 PM

Client Sample ID: Art-N10-W10-91

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0313		mg/Kg-dry	1	2/25/2022 1:13:18 AM
1,1-Dichloroethene	ND	0.125		mg/Kg-dry	1	2/25/2022 1:13:18 AM
trans-1,2-Dichloroethene	ND	0.0376		mg/Kg-dry	1	2/25/2022 1:13:18 AM
cis-1,2-Dichloroethene	ND	0.0313		mg/Kg-dry	1	2/25/2022 1:13:18 AM
Trichloroethene (TCE)	ND	0.0251		mg/Kg-dry	1	2/25/2022 1:13:18 AM
Tetrachloroethene (PCE)	ND	0.0376		mg/Kg-dry	1	2/25/2022 1:13:18 AM
Surr: Dibromofluoromethane	96.7	80 - 120		%Rec	1	2/25/2022 1:13:18 AM
Surr: Toluene-d8	93.3	80 - 120		%Rec	1	2/25/2022 1:13:18 AM
Surr: 1-Bromo-4-fluorobenzene	102	80 - 120		%Rec	1	2/25/2022 1:13:18 AM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	19.8	0.500		wt%	1	2/25/2022 9:14:14 AM
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CLIENT: Aspect Consulting
Project: Schnitzer Artise

Lab ID: 2202502-006

Collection Date: 2/23/2022 2:50:00 PM

Client Sample ID: Art-W22-W16-90

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0285		mg/Kg-dry	1	2/25/2022 1:43:34 AM
1,1-Dichloroethene	ND	0.114		mg/Kg-dry	1	2/25/2022 1:43:34 AM
trans-1,2-Dichloroethene	ND	0.0341		mg/Kg-dry	1	2/25/2022 1:43:34 AM
cis-1,2-Dichloroethene	ND	0.0285		mg/Kg-dry	1	2/25/2022 1:43:34 AM
Trichloroethene (TCE)	ND	0.0228		mg/Kg-dry	1	2/25/2022 1:43:34 AM
Tetrachloroethene (PCE)	ND	0.0341		mg/Kg-dry	1	2/25/2022 1:43:34 AM
Surr: Dibromofluoromethane	96.6	80 - 120		%Rec	1	2/25/2022 1:43:34 AM
Surr: Toluene-d8	99.1	80 - 120		%Rec	1	2/25/2022 1:43:34 AM
Surr: 1-Bromo-4-fluorobenzene	105	80 - 120		%Rec	1	2/25/2022 1:43:34 AM

Sample Moisture (Percent Moisture)

Batch ID: R73577

Analyst: CB

Percent Moisture	11.2	0.500		wt%	1	2/25/2022 9:14:14 AM
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Lab ID: 2202502-007

Collection Date: 2/23/2022

Client Sample ID: Art-TB-43

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35508

Analyst: MVB

Vinyl chloride	ND	0.0250		mg/Kg	1	2/24/2022 10:11:23 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	2/24/2022 10:11:23 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	2/24/2022 10:11:23 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	2/24/2022 10:11:23 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	2/24/2022 10:11:23 PM
Tetrachloroethene (PCE)	ND	0.0300		mg/Kg	1	2/24/2022 10:11:23 PM
Surr: Dibromofluoromethane	96.0	80 - 120		%Rec	1	2/24/2022 10:11:23 PM
Surr: Toluene-d8	90.2	80 - 120		%Rec	1	2/24/2022 10:11:23 PM
Surr: 1-Bromo-4-fluorobenzene	106	80 - 120		%Rec	1	2/24/2022 10:11:23 PM

Work Order: 2202502
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35508	SampType: LCS	Units: µg/L				Prep Date: 2/24/2022	RunNo: 73582				
Client ID: LCSS	Batch ID: 35508					Analysis Date: 2/24/2022	SeqNo: 1504146				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.06	0.0250	1.000	0	106	80	120				
1,1-Dichloroethene	1.03	0.100	1.000	0	103	80	120				
trans-1,2-Dichloroethene	0.836	0.0300	1.000	0	83.6	80	120				
cis-1,2-Dichloroethene	0.974	0.0250	1.000	0	97.4	80	120				
Trichloroethene (TCE)	0.984	0.0200	1.000	0	98.4	80	120				
Tetrachloroethene (PCE)	0.999	0.0300	1.000	0	99.9	80	120				
Surr: Dibromofluoromethane	1.31		1.250		105	80	120				
Surr: Toluene-d8	1.25		1.250		99.9	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.38		1.250		110	80	120				

Sample ID: MB-35508	SampType: MBLK	Units: mg/Kg				Prep Date: 2/24/2022	RunNo: 73582				
Client ID: MBLKS	Batch ID: 35508					Analysis Date: 2/24/2022	SeqNo: 1504199				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0300									
Surr: Dibromofluoromethane	1.16		1.250		92.7	80	120				
Surr: Toluene-d8	1.42		1.250		114	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.250		104	80	120				

Sample ID: 2202502-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 2/24/2022	RunNo: 73582				
Client ID: Art-N3-W10-92	Batch ID: 35508					Analysis Date: 2/24/2022	SeqNo: 1504130				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0321						0		30	

Work Order: 2202502
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2202502-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/24/2022	RunNo: 73582							
Client ID: Art-N3-W10-92	Batch ID: 35508		Analysis Date: 2/24/2022	SeqNo: 1504130							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.128						0		30	
trans-1,2-Dichloroethene	ND	0.0385						0		30	
cis-1,2-Dichloroethene	ND	0.0321						0		30	
Trichloroethene (TCE)	ND	0.0257						0		30	
Tetrachloroethene (PCE)	0.453	0.0385						0.3687	20.4	30	
Surr: Dibromofluoromethane	1.50		1.603		93.3	80	120		0		
Surr: Toluene-d8	1.86		1.603		116	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.69		1.603		105	80	120		0		

Sample ID: 2202502-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 2/24/2022	RunNo: 73582							
Client ID: Art-W22-W16-90	Batch ID: 35508		Analysis Date: 2/25/2022	SeqNo: 1504136							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.30	0.0285	1.138	0	114	47.4	135				
1,1-Dichloroethene	1.59	0.114	1.138	0.06376	134	72.1	129				S
trans-1,2-Dichloroethene	1.15	0.0341	1.138	0	101	79.7	122				
cis-1,2-Dichloroethene	1.06	0.0285	1.138	0.01785	92.0	80.8	121				
Trichloroethene (TCE)	1.31	0.0228	1.138	0	115	78.4	129				
Tetrachloroethene (PCE)	1.29	0.0341	1.138	0	113	81.3	126				
Surr: Dibromofluoromethane	1.49		1.423		105	80	120				
Surr: Toluene-d8	1.39		1.423		97.6	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.63		1.423		114	80	120				

Client Name: **AC**

 Work Order Number: **2202502**

 Logged by: **Clare Griggs**

 Date Received: **2/24/2022 10:11:00 AM**

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample	2.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 2/24/22

Page: 1 of 1

Laboratory Project No (Internal):

2202502

Project Name: Schmitzer

Project No: 190298

Collected by: DIZB

Location:

Report To (PM): Ali Cochrane

Sample Disposal: Return to client Disposal by lab (after 30 days)

Special Remarks:

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone: 316.617.0499

Fax: PM Email: a.cochrane@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	PCB + BTEX/BUN	Comments
1 Art-N3-W10-Q2	2/23/22	1200	Soil	3														
2 Art-N3-W13-Q2		1210																
3 Art-N12-W11-Q2		1240																
4 Art-N99-W99-Q2		1220																
5 Art-N10-W10-Q1		1230																
6 Art-W12-W16-Q2		1450																
7 Art-TB-43																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time: Standard Next Day 3 Day Same Day (specify) _____

Relinquished (Signature) _____ Date/Time 2/24/22 0940
 Print Name Daniel B. Schmitzer
 Relinquished (Signature) _____ Date/Time 2/24/22 10:11
 Print Name Elisabeth Swerdlow



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Schnitzer Artise

Work Order Number: 2202539

February 25, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 2/25/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:

Daniel Babcock

Jessica Smith

Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2202539

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2202539-001	Art-N13-W07-92	02/25/2022 7:45 AM	02/25/2022 10:15 AM
2202539-002	Art-N08-W07-92	02/25/2022 7:55 AM	02/25/2022 10:15 AM
2202539-003	Art-TB-44		02/25/2022 10:15 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 2/25/2022 7:45:00 AM

Project: Schnitzer Artise

Lab ID: 2202539-001

Matrix: Soil

Client Sample ID: Art-N13-W07-92

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35520

Analyst: MVB

Vinyl chloride	ND	0.0326		mg/Kg-dry	1	2/25/2022 1:26:20 PM
1,1-Dichloroethene	ND	0.130		mg/Kg-dry	1	2/25/2022 1:26:20 PM
trans-1,2-Dichloroethene	ND	0.0391		mg/Kg-dry	1	2/25/2022 1:26:20 PM
cis-1,2-Dichloroethene	ND	0.0326		mg/Kg-dry	1	2/25/2022 1:26:20 PM
Trichloroethene (TCE)	ND	0.0261		mg/Kg-dry	1	2/25/2022 1:26:20 PM
Tetrachloroethene (PCE)	0.284	0.0391		mg/Kg-dry	1	2/25/2022 1:26:20 PM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	2/25/2022 1:26:20 PM
Surr: Toluene-d8	100	80 - 120		%Rec	1	2/25/2022 1:26:20 PM
Surr: 1-Bromo-4-fluorobenzene	106	80 - 120		%Rec	1	2/25/2022 1:26:20 PM

Sample Moisture (Percent Moisture)

Batch ID: R73591

Analyst: MCH

Percent Moisture	9.84	0.500		wt%	1	2/25/2022 11:23:55 AM
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Client: Aspect Consulting

Collection Date: 2/25/2022 7:55:00 AM

Project: Schnitzer Artise

Lab ID: 2202539-002

Matrix: Soil

Client Sample ID: Art-N08-W07-92

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35520

Analyst: MVB

Vinyl chloride	ND	0.0300		mg/Kg-dry	1	2/25/2022 2:27:16 PM
1,1-Dichloroethene	ND	0.120		mg/Kg-dry	1	2/25/2022 2:27:16 PM
trans-1,2-Dichloroethene	ND	0.0360		mg/Kg-dry	1	2/25/2022 2:27:16 PM
cis-1,2-Dichloroethene	ND	0.0300		mg/Kg-dry	1	2/25/2022 2:27:16 PM
Trichloroethene (TCE)	ND	0.0240		mg/Kg-dry	1	2/25/2022 2:27:16 PM
Tetrachloroethene (PCE)	0.160	0.0360		mg/Kg-dry	1	2/25/2022 2:27:16 PM
Surr: Dibromofluoromethane	97.8	80 - 120		%Rec	1	2/25/2022 2:27:16 PM
Surr: Toluene-d8	99.7	80 - 120		%Rec	1	2/25/2022 2:27:16 PM
Surr: 1-Bromo-4-fluorobenzene	108	80 - 120		%Rec	1	2/25/2022 2:27:16 PM

Sample Moisture (Percent Moisture)

Batch ID: R73591

Analyst: MCH

Percent Moisture	10.6	0.500		wt%	1	2/25/2022 11:23:55 AM
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Client: Aspect Consulting

Collection Date:

Project: Schnitzer Artise

Lab ID: 2202539-003

Matrix: Soil

Client Sample ID: Art-TB-44

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35520

Analyst: MVB

Vinyl chloride	ND	0.0250		mg/Kg	1	2/25/2022 12:55:52 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	2/25/2022 12:55:52 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	2/25/2022 12:55:52 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	2/25/2022 12:55:52 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	2/25/2022 12:55:52 PM
Tetrachloroethene (PCE)	ND	0.0300		mg/Kg	1	2/25/2022 12:55:52 PM
Surr: Dibromofluoromethane	95.3	80 - 120		%Rec	1	2/25/2022 12:55:52 PM
Surr: Toluene-d8	126	80 - 120	S	%Rec	1	2/25/2022 12:55:52 PM
Surr: 1-Bromo-4-fluorobenzene	106	80 - 120		%Rec	1	2/25/2022 12:55:52 PM

NOTES:

S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect; result meets QC requirements.

Work Order: 2202539
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35520	SampType: LCS	Units: µg/L	Prep Date: 2/25/2022	RunNo: 73604							
Client ID: LCSS	Batch ID: 35520		Analysis Date: 2/25/2022	SeqNo: 1504675							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.05	0.0250	1.000	0	105	80	120				
1,1-Dichloroethene	1.40	0.100	1.000	0	140	80	120				S
trans-1,2-Dichloroethene	1.05	0.0300	1.000	0	105	80	120				
cis-1,2-Dichloroethene	1.24	0.0250	1.000	0	124	80	120				S
Trichloroethene (TCE)	1.15	0.0200	1.000	0	115	80	120				
Tetrachloroethene (PCE)	1.16	0.0300	1.000	0	116	80	120				
Surr: Dibromofluoromethane	1.27		1.250		101	80	120				
Surr: Toluene-d8	1.48		1.250		119	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.44		1.250		115	80	120				

NOTES:

S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: MB-35520	SampType: MBLK	Units: mg/Kg	Prep Date: 2/25/2022	RunNo: 73604							
Client ID: MBLKS	Batch ID: 35520		Analysis Date: 2/25/2022	SeqNo: 1504668							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0300									
Surr: Dibromofluoromethane	1.18		1.250		94.7	80	120				
Surr: Toluene-d8	1.26		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	80	120				

Work Order: 2202539
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2202539-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 2/25/2022	RunNo: 73604							
Client ID: Art-N13-W07-92	Batch ID: 35520		Analysis Date: 2/25/2022	SeqNo: 1504663							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0326						0		30	
1,1-Dichloroethene	ND	0.130						0		30	
trans-1,2-Dichloroethene	ND	0.0391						0		30	
cis-1,2-Dichloroethene	ND	0.0326						0		30	
Trichloroethene (TCE)	ND	0.0261						0		30	
Tetrachloroethene (PCE)	0.245	0.0391						0.2842	14.8	30	
Surr: Dibromofluoromethane	1.63		1.630		99.7	80	120		0		
Surr: Toluene-d8	1.65		1.630		101	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.71		1.630		105	80	120		0		

Sample ID: 2202539-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 2/25/2022	RunNo: 73604							
Client ID: Art-N08-W07-92	Batch ID: 35520		Analysis Date: 2/25/2022	SeqNo: 1504665							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.13	0.0280	1.119	0	101	47.4	135				
1,1-Dichloroethene	1.40	0.112	1.119	0	125	72.1	129				
trans-1,2-Dichloroethene	1.00	0.0336	1.119	0	89.4	79.7	122				
cis-1,2-Dichloroethene	1.01	0.0280	1.119	0	90.6	80.8	121				
Trichloroethene (TCE)	1.24	0.0224	1.119	0.01158	110	78.4	129				
Tetrachloroethene (PCE)	1.38	0.0336	1.119	0.1605	109	81.3	126				
Surr: Dibromofluoromethane	1.49		1.399		106	80	120				
Surr: Toluene-d8	1.42		1.399		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.61		1.399		115	80	120				

Client Name: AC	Work Order Number: 2202539
Logged by: Gabrielle Coeuille	Date Received: 2/25/2022 10:15:00 AM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

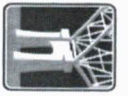
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	0.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 2/25/22

Page: 1 of 1

Project Name: Schwartz

Project No: 190298

Collected by: DZB

Location:

Report To (PM): Ali Kohrane

PM Email: akohrane@fremontanalytical.com

Sample Disposal: Return to client Disposal by lab (after 30 days)

Laboratory Project No (Internal): 2202539

Special Remarks:

Address:

Client: Asset Consulting

City, State, Zip:

Telephone: 316 617 0499

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes												Comments					
					VOCS (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270-SIM)	PCBs (EPA 8270 / 625)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (801)						
1 A1-N13-W07-92	2/25/22	0745	Soil	3																		
2 A1-N08-W07-92		0755	↓	3																		
3 A1-TB-44		-	AQ	1																		
4																						
5																						
6																						
7																						
8																						
9																						
10																						

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time: Standard Next Day 3 Day Same Day (specify)

Relinquished (Signature) _____ Date/Time 2/25/22 10:15

Print Name _____ Date/Time _____

Relinquished (Signature) _____ Date/Time _____



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2203108

March 04, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 3/2/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2203108**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203108-001	Art-N9-W3-92	03/02/2022 2:00 PM	03/02/2022 3:32 PM
2203108-002	Art-N8-W3-92	03/02/2022 2:05 PM	03/02/2022 3:32 PM
2203108-003	Art-N7-W3-92	03/02/2022 2:10 PM	03/02/2022 3:32 PM
2203108-004	Art-N33-W04-92	03/02/2022 2:15 PM	03/02/2022 3:32 PM
2203108-005	Art-TB-50		03/02/2022 3:32 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting

Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 3/2/2022 2:00:00 PM

Project: Schnitzer Artise

Lab ID: 2203108-001

Matrix: Soil

Client Sample ID: Art-N9-W3-92

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35591

Analyst: MVB

Vinyl chloride	ND	0.0335		mg/Kg-dry	1	3/4/2022 12:24:03 AM
1,1-Dichloroethene	ND	0.134		mg/Kg-dry	1	3/4/2022 12:24:03 AM
trans-1,2-Dichloroethene	ND	0.0402		mg/Kg-dry	1	3/4/2022 12:24:03 AM
cis-1,2-Dichloroethene	ND	0.0335		mg/Kg-dry	1	3/4/2022 12:24:03 AM
Trichloroethene (TCE)	ND	0.0268		mg/Kg-dry	1	3/4/2022 12:24:03 AM
Tetrachloroethene (PCE)	ND	0.0402		mg/Kg-dry	1	3/4/2022 12:24:03 AM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	3/4/2022 12:24:03 AM
Surr: Toluene-d8	97.4	80 - 120		%Rec	1	3/4/2022 12:24:03 AM
Surr: 1-Bromo-4-fluorobenzene	91.8	80 - 120		%Rec	1	3/4/2022 12:24:03 AM

Sample Moisture (Percent Moisture)

Batch ID: R73711

Analyst: KJ

Percent Moisture	18.6	0.500		wt%	1	3/3/2022 9:41:12 AM
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Client: Aspect Consulting

Collection Date: 3/2/2022 2:15:00 PM

Project: Schnitzer Artise

Lab ID: 2203108-004

Matrix: Soil

Client Sample ID: Art-N33-W04-92

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35591 Analyst: MVB

Tetrachloroethene (PCE)	ND	0.0299		mg/Kg-dry	1	3/4/2022 12:54:12 AM
Surr: Dibromofluoromethane	101	80 - 120		%Rec	1	3/4/2022 12:54:12 AM
Surr: Toluene-d8	101	80 - 120		%Rec	1	3/4/2022 12:54:12 AM
Surr: 1-Bromo-4-fluorobenzene	92.1	80 - 120		%Rec	1	3/4/2022 12:54:12 AM

Sample Moisture (Percent Moisture)

Batch ID: R73711 Analyst: KJ

Percent Moisture	7.41	0.500		wt%	1	3/3/2022 9:41:12 AM
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Client: Aspect Consulting

Collection Date:

Project: Schnitzer Artise

Lab ID: 2203108-005

Matrix: Soil

Client Sample ID: Art-TB-50

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35591

Analyst: MVB

Vinyl chloride	ND	0.0250		mg/Kg	1	3/4/2022 1:24:22 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	3/4/2022 1:24:22 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	3/4/2022 1:24:22 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	3/4/2022 1:24:22 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	3/4/2022 1:24:22 AM
Tetrachloroethene (PCE)	ND	0.0300		mg/Kg	1	3/4/2022 1:24:22 AM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	3/4/2022 1:24:22 AM
Surr: Toluene-d8	98.0	80 - 120		%Rec	1	3/4/2022 1:24:22 AM
Surr: 1-Bromo-4-fluorobenzene	92.4	80 - 120		%Rec	1	3/4/2022 1:24:22 AM

Work Order: 2203108
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35591	SampType: LCS	Units: mg/Kg				Prep Date: 3/3/2022	RunNo: 73751				
Client ID: LCSS	Batch ID: 35591					Analysis Date: 3/3/2022	SeqNo: 1509489				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.03	0.0250	1.000	0	103	80	120				
1,1-Dichloroethene	1.04	0.100	1.000	0	104	80	120				
trans-1,2-Dichloroethene	1.03	0.0300	1.000	0	103	80	120				
cis-1,2-Dichloroethene	1.01	0.0250	1.000	0	101	80	120				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	80	120				
Tetrachloroethene (PCE)	1.02	0.0300	1.000	0	102	80	120				
Surr: Dibromofluoromethane	1.21		1.250		96.8	80	120				
Surr: Toluene-d8	1.24		1.250		99.2	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	80	120				

Sample ID: MB-35591	SampType: MBLK	Units: mg/Kg				Prep Date: 3/3/2022	RunNo: 73751				
Client ID: MBLKS	Batch ID: 35591					Analysis Date: 3/3/2022	SeqNo: 1509488				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0300									
Surr: Dibromofluoromethane	1.25		1.250		99.6	80	120				
Surr: Toluene-d8	1.21		1.250		96.4	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.16		1.250		92.7	80	120				

Sample ID: 2203052-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 3/3/2022	RunNo: 73751				
Client ID: BATCH	Batch ID: 35591					Analysis Date: 3/4/2022	SeqNo: 1509468				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0315						0		30	

Work Order: 2203108
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2203052-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/3/2022	RunNo: 73751							
Client ID: BATCH	Batch ID: 35591		Analysis Date: 3/4/2022	SeqNo: 1509468							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.126						0		30	
trans-1,2-Dichloroethene	ND	0.0378						0		30	
cis-1,2-Dichloroethene	ND	0.0315						0		30	
Trichloroethene (TCE)	ND	0.0252						0		30	
Tetrachloroethene (PCE)	ND	0.0378						0		30	
Surr: Dibromofluoromethane	1.60		1.574		101	80	120		0		
Surr: Toluene-d8	1.53		1.574		97.3	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.49		1.574		94.8	80	120		0		

Sample ID: 2203110-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/3/2022	RunNo: 73751							
Client ID: BATCH	Batch ID: 35591		Analysis Date: 3/4/2022	SeqNo: 1509484							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.54	0.0312	1.248	0	124	47.4	135				
1,1-Dichloroethene	1.63	0.125	1.248	0	130	72.1	129				S
trans-1,2-Dichloroethene	1.52	0.0374	1.248	0	122	79.7	122				
cis-1,2-Dichloroethene	1.47	0.0312	1.248	0	117	80.8	121				
Trichloroethene (TCE)	1.58	0.0250	1.248	0	127	78.4	129				
Tetrachloroethene (PCE)	1.50	0.0374	1.248	0	120	81.3	126				
Surr: Dibromofluoromethane	1.59		1.560		102	80	120				
Surr: Toluene-d8	1.59		1.560		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.63		1.560		104	80	120				

NOTES:

S - Outlying spike recoveries were associated with this sample (high bias, sample is non detect).

Client Name: AC	Work Order Number: 2203108
Logged by: Gabrielle Coeuille	Date Received: 3/2/2022 3:32:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

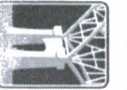
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	2.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
ANALYTICAL SERVICES

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/2/02 Page: 1 of: 1

Laboratory Project No (Internal): **2203108**

Special Remarks:

Client: Aspet Consultants
Project No: 190298
Collected by: DRB

City, State, Zip:
Telephone: 316-617-0499
Fax:
Report To (PM): All Chemicals
PM Email: accham@aspetconsulting.com

Location:
Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytical Parameters															Comments							
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (GX)	Diesel/Heavy Oil Range Organics (HCO)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6030 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (801)	PCE + Streakdown	PCE									
1 ART-N9-W3-912	3/2/02	1400	Soil 1	3																							
2 ART-N8-W3-92		1405																									
3 ART-N7-W3-912		1410																									
4 ANT-N33-W3-912		1415																									
5 ANT-TB-50				1																							
6																											
7																											
8																											
9																											
10																											

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Priority Pollutants: **MTCAS** (M, T, C, A, S), **RCRA-8** (R, C, R, A, 8), **TAL** (T, A, L)

Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate-Nitrite

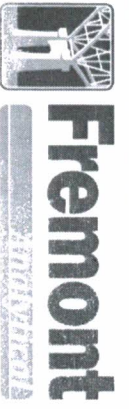
I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) x <u>David Blaback</u>	Print Name <u>David Blaback</u>	Date/Time <u>3/2/02</u>	Received (Signature) x <u>OB...</u>	Print Name <u>OB...</u>	Date/Time <u>3/2/22</u>
Relinquished (Signature) x	Print Name	Date/Time	Received (Signature) x	Print Name	Date/Time <u>3/2/22</u>

Turn-around Time: Standard Next Day 3 Day Same Day (specify) _____

2 Day (specify) _____

www.fremontanalytical.com



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/12/22 Page: 1 of 1

Laboratory Project No (Internal): **2203108**
Special Remarks: **Edits per D.B. 3/3/2022 -BB**

Client: **Aspect Consultants**

Project No: **190298**

Collected by: **DRB**

Report To (PM): **All Leasing**

PM Email: **acabraham@aspectconsulting.com**

City, State, Zip: _____
Telephone: **316-617-0499**
Fax: _____

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (GX)	Diesel/Heavy Oil Range Organics (HCD)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6030 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (801)	PCP + Breakdown	PCC	Comments
1 ART-N9-W3-912	3/12/22	1400	Soil 1	3															HOLD
2 ART-N8-W3-912		1405																	HOLD
3 ART-N7-W3-912		1410																	HOLD
4 ART-N33-W4-912		1415																	
5 AN-TB-50			AR	1															
6																			
7																			
8																			
9																			
10																			

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) **Dani Boback** Print Name **Dani Boback** Date/Time **3/12/22 1505**
 Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Received (Signature) **ORAN** Print Name **ORAN** Date/Time **3/12/22 1532**
 Received (Signature) _____ Print Name _____ Date/Time _____



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2203207

March 11, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 3/7/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o



CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2203207

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203207-001	Art-N13-W04-89	03/07/2022 10:45 AM	03/07/2022 4:31 PM
2203207-002	Art-N18-W04-88	03/07/2022 10:50 AM	03/07/2022 4:31 PM
2203207-003	Art-N23-W02-88	03/07/2022 11:00 AM	03/07/2022 4:31 PM
2203207-004	Art-TB-51		03/07/2022 4:31 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 3/7/2022 10:45:00 AM

Project: Schnitzer Artise

Lab ID: 2203207-001

Matrix: Soil

Client Sample ID: Art-N13-W04-89

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35643

Analyst: MVB

Vinyl chloride	ND	0.0387	Q	mg/Kg-dry	1	3/8/2022 2:39:02 PM
1,1-Dichloroethene	ND	0.155		mg/Kg-dry	1	3/8/2022 2:39:02 PM
trans-1,2-Dichloroethene	ND	0.0464		mg/Kg-dry	1	3/8/2022 2:39:02 PM
cis-1,2-Dichloroethene	ND	0.0387		mg/Kg-dry	1	3/8/2022 2:39:02 PM
Trichloroethene (TCE)	ND	0.0309		mg/Kg-dry	1	3/8/2022 2:39:02 PM
Tetrachloroethene (PCE)	0.147	0.0464		mg/Kg-dry	1	3/8/2022 2:39:02 PM
Surr: Dibromofluoromethane	94.2	80 - 120		%Rec	1	3/8/2022 2:39:02 PM
Surr: Toluene-d8	88.8	80 - 120		%Rec	1	3/8/2022 2:39:02 PM
Surr: 1-Bromo-4-fluorobenzene	90.6	80 - 120		%Rec	1	3/8/2022 2:39:02 PM

NOTES:

Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample Moisture (Percent Moisture)

Batch ID: R73842

Analyst: MCH

Percent Moisture	26.8	0.500		wt%	1	3/9/2022 10:15:32 AM
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Client: Aspect Consulting

Collection Date: 3/7/2022 10:50:00 AM

Project: Schnitzer Artise

Lab ID: 2203207-002

Matrix: Soil

Client Sample ID: Art-N18-W04-88

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35643

Analyst: MVB

Vinyl chloride	ND	0.0317	Q	mg/Kg-dry	1	3/8/2022 3:39:17 PM
1,1-Dichloroethene	ND	0.127		mg/Kg-dry	1	3/8/2022 3:39:17 PM
trans-1,2-Dichloroethene	ND	0.0380		mg/Kg-dry	1	3/8/2022 3:39:17 PM
cis-1,2-Dichloroethene	ND	0.0317		mg/Kg-dry	1	3/8/2022 3:39:17 PM
Trichloroethene (TCE)	ND	0.0253		mg/Kg-dry	1	3/8/2022 3:39:17 PM
Tetrachloroethene (PCE)	0.208	0.0380		mg/Kg-dry	1	3/8/2022 3:39:17 PM
Surr: Dibromofluoromethane	96.3	80 - 120		%Rec	1	3/8/2022 3:39:17 PM
Surr: Toluene-d8	90.1	80 - 120		%Rec	1	3/8/2022 3:39:17 PM
Surr: 1-Bromo-4-fluorobenzene	94.1	80 - 120		%Rec	1	3/8/2022 3:39:17 PM

NOTES:

Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample Moisture (Percent Moisture)

Batch ID: R73842

Analyst: MCH

Percent Moisture	16.7	0.500		wt%	1	3/9/2022 10:15:32 AM
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Client: Aspect Consulting

Collection Date: 3/7/2022 11:00:00 AM

Project: Schnitzer Artise

Lab ID: 2203207-003

Matrix: Soil

Client Sample ID: Art-N23-W02-88

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35643

Analyst: MVB

Vinyl chloride	ND	0.0374	Q	mg/Kg-dry	1	3/8/2022 4:09:23 PM
1,1-Dichloroethene	ND	0.150		mg/Kg-dry	1	3/8/2022 4:09:23 PM
trans-1,2-Dichloroethene	ND	0.0449		mg/Kg-dry	1	3/8/2022 4:09:23 PM
cis-1,2-Dichloroethene	ND	0.0374		mg/Kg-dry	1	3/8/2022 4:09:23 PM
Trichloroethene (TCE)	ND	0.0299		mg/Kg-dry	1	3/8/2022 4:09:23 PM
Tetrachloroethene (PCE)	1.47	0.0449		mg/Kg-dry	1	3/8/2022 4:09:23 PM
Surr: Dibromofluoromethane	91.6	80 - 120		%Rec	1	3/8/2022 4:09:23 PM
Surr: Toluene-d8	89.0	80 - 120		%Rec	1	3/8/2022 4:09:23 PM
Surr: 1-Bromo-4-fluorobenzene	90.8	80 - 120		%Rec	1	3/8/2022 4:09:23 PM

NOTES:

Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample Moisture (Percent Moisture)

Batch ID: R73842

Analyst: MCH

Percent Moisture	20.7	0.500		wt%	1	3/9/2022 10:15:32 AM
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Client: Aspect Consulting

Collection Date:

Project: Schnitzer Artise

Lab ID: 2203207-004

Matrix: Aqueous

Client Sample ID: Art-TB-51

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35662

Analyst: MVB

Vinyl chloride	ND	0.0250		mg/Kg	1	3/9/2022 5:57:17 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	3/9/2022 5:57:17 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	3/9/2022 5:57:17 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	3/9/2022 5:57:17 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	3/9/2022 5:57:17 PM
Tetrachloroethene (PCE)	ND	0.0300		mg/Kg	1	3/9/2022 5:57:17 PM
Surr: Dibromofluoromethane	96.5	80 - 120		%Rec	1	3/9/2022 5:57:17 PM
Surr: Toluene-d8	102	80 - 120		%Rec	1	3/9/2022 5:57:17 PM
Surr: 1-Bromo-4-fluorobenzene	96.2	80 - 120		%Rec	1	3/9/2022 5:57:17 PM

Work Order: 2203207
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35643	SampType: LCS	Units: mg/Kg				Prep Date: 3/8/2022	RunNo: 73846				
Client ID: LCSS	Batch ID: 35643					Analysis Date: 3/8/2022	SeqNo: 1512203				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.744	0.0250	1.000	0	74.4	80	120				S
1,1-Dichloroethene	0.964	0.100	1.000	0	96.4	80	120				
trans-1,2-Dichloroethene	0.913	0.0300	1.000	0	91.3	80	120				
cis-1,2-Dichloroethene	0.887	0.0250	1.000	0	88.7	80	120				
Trichloroethene (TCE)	0.880	0.0200	1.000	0	88.0	80	120				
Tetrachloroethene (PCE)	0.982	0.0300	1.000	0	98.2	80	120				
Surr: Dibromofluoromethane	1.19		1.250		94.9	80	120				
Surr: Toluene-d8	1.15		1.250		92.1	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.32		1.250		106	80	120				

NOTES:

S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: MB-35643	SampType: MBLK	Units: mg/Kg				Prep Date: 3/8/2022	RunNo: 73846				
Client ID: MBLKS	Batch ID: 35643					Analysis Date: 3/8/2022	SeqNo: 1512202				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									Q
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0300									
Surr: Dibromofluoromethane	1.16		1.250		92.7	80	120				
Surr: Toluene-d8	1.12		1.250		89.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.16		1.250		92.4	80	120				

NOTES:

Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Work Order: 2203207
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2203207-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/8/2022	RunNo: 73846							
Client ID: Art-N13-W04-89	Batch ID: 35643		Analysis Date: 3/8/2022	SeqNo: 1512195							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0387						0		30	Q
1,1-Dichloroethene	ND	0.155						0		30	
trans-1,2-Dichloroethene	ND	0.0464						0		30	
cis-1,2-Dichloroethene	ND	0.0387						0		30	
Trichloroethene (TCE)	ND	0.0309						0		30	
Tetrachloroethene (PCE)	0.167	0.0464						0.1475	12.4	30	
Surr: Dibromofluoromethane	1.79		1.933		92.7	80	120		0		
Surr: Toluene-d8	1.73		1.933		89.4	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.76		1.933		91.0	80	120		0		

NOTES:

Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: 2203126-036BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/8/2022	RunNo: 73846							
Client ID: BATCH	Batch ID: 35643		Analysis Date: 3/9/2022	SeqNo: 1512192							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.882	0.0261	1.043	0	84.6	47.4	135				
1,1-Dichloroethene	1.07	0.104	1.043	0	103	72.1	129				
trans-1,2-Dichloroethene	1.10	0.0313	1.043	0	105	79.7	122				
cis-1,2-Dichloroethene	1.07	0.0261	1.043	0	102	80.8	121				
Trichloroethene (TCE)	1.12	0.0209	1.043	0	107	78.4	129				
Tetrachloroethene (PCE)	1.22	0.0313	1.043	0	117	81.3	126				
Surr: Dibromofluoromethane	1.20		1.304		92.4	80	120				
Surr: Toluene-d8	1.18		1.304		90.9	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.34		1.304		103	80	120				

Work Order: 2203207
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35662	SampType: LCS	Units: mg/Kg	Prep Date: 3/9/2022	RunNo: 73888							
Client ID: LCSS	Batch ID: 35662		Analysis Date: 3/9/2022	SeqNo: 1513106							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.05	0.0250	1.000	0	105	80	120				
1,1-Dichloroethene	1.34	0.100	1.000	0	134	80	120				S
trans-1,2-Dichloroethene	1.05	0.0300	1.000	0	105	80	120				
cis-1,2-Dichloroethene	1.07	0.0250	1.000	0	107	80	120				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	80	120				
Tetrachloroethene (PCE)	1.04	0.0300	1.000	0	104	80	120				
Surr: Dibromofluoromethane	1.30		1.250		104	80	120				
Surr: Toluene-d8	1.30		1.250		104	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	80	120				

NOTES:

S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: MB-35662	SampType: MBLK	Units: mg/Kg	Prep Date: 3/9/2022	RunNo: 73888							
Client ID: MBLKS	Batch ID: 35662		Analysis Date: 3/9/2022	SeqNo: 1513105							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0300									
Surr: Dibromofluoromethane	1.22		1.250		97.5	80	120				
Surr: Toluene-d8	1.29		1.250		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.4	80	120				

Work Order: 2203207
 CLIENT: Aspect Consulting
 Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2203182-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/9/2022	RunNo: 73888							
Client ID: BATCH	Batch ID: 35662	Analysis Date: 3/9/2022	SeqNo: 1513083								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0318						0		30	
1,1-Dichloroethene	ND	0.127						0		30	
trans-1,2-Dichloroethene	ND	0.0382						0		30	
cis-1,2-Dichloroethene	ND	0.0318						0		30	
Trichloroethene (TCE)	ND	0.0255						0		30	
Tetrachloroethene (PCE)	ND	0.0382						0		30	
Surr: Dibromofluoromethane	1.56		1.592		97.9	80	120		0		
Surr: Toluene-d8	1.66		1.592		104	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.52		1.592		95.6	80	120		0		

Sample ID: 2203219-003BMS	SampType: MS	Units: mg/Kg	Prep Date: 3/9/2022	RunNo: 73888							
Client ID: BATCH	Batch ID: 35662	Analysis Date: 3/10/2022	SeqNo: 1513100								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.15	0.0220	0.8814	0	131	47.4	135				
1,1-Dichloroethene	1.01	0.0881	0.8814	0	115	72.1	129				
trans-1,2-Dichloroethene	1.05	0.0264	0.8814	0	119	79.7	122				
cis-1,2-Dichloroethene	1.04	0.0220	0.8814	0	118	80.8	121				
Trichloroethene (TCE)	1.04	0.0176	0.8814	0	118	78.4	129				
Tetrachloroethene (PCE)	1.05	0.0264	0.8814	0	119	81.3	126				
Surr: Dibromofluoromethane	1.16		1.102		105	80	120				
Surr: Toluene-d8	1.16		1.102		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.102		107	80	120				

Client Name: AC	Work Order Number: 2203207
Logged by: Gabrielle Coeuille	Date Received: 3/7/2022 4:31:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	3.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/07/12

Page: 1 of 1

Project Name: Schmidt

Project No: 190298

Collected by: DZB

Location:

Report To (PM): Ali Colvone

PM Email:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Laboratory Project No (Internal): 2203209

Special Remarks:

Client: Azzet Consulting
Address:
City, State, Zip:
Telephone: 316.617.0694
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 / 625)	Metals ** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	Comments	
1 Art-N13-W04-891	3/7/12	1045	Soil	3														
2 Art-N18-W04-88		1050	Soil	3														
3 Art-N23-W02-88		1100	Soil	3														
4 Art-TB-51		-	AQ	1														
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day _____ (specify)

Relinquished (Signature) _____ Date/Time: 3/7/12
 Print Name: Daniel Schmidt

Received (Signature) _____ Date/Time: 3/7/12
 Print Name: Alaina B



Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Schnitzer Artise
Work Order Number: 2203282

March 18, 2022

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 3/11/2022 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

CC:
Daniel Babcock
Jessica Smith
Meilani Lanier-Kamaha'o

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

www.fremontanalytical.com



Date: 03/18/2022

CLIENT: Aspect Consulting
Project: Schnitzer Artise
Work Order: 2203282

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203282-001	Art-N15-W11-92	03/11/2022 9:00 AM	03/11/2022 10:11 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

CLIENT: Aspect Consulting
Project: Schnitzer Artise

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 3/11/2022 9:00:00 AM

Project: Schnitzer Artise

Lab ID: 2203282-001

Matrix: Soil

Client Sample ID: Art-N15-W11-92

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Volatile Organic Compounds by EPA Method 8260D

Batch ID: 35712

Analyst: MVB

Vinyl chloride	ND	0.0344		mg/Kg-dry	1	3/14/2022 5:20:46 PM
1,1-Dichloroethene	ND	0.138		mg/Kg-dry	1	3/14/2022 5:20:46 PM
trans-1,2-Dichloroethene	ND	0.0413		mg/Kg-dry	1	3/14/2022 5:20:46 PM
cis-1,2-Dichloroethene	ND	0.0344		mg/Kg-dry	1	3/14/2022 5:20:46 PM
Trichloroethene (TCE)	ND	0.0275		mg/Kg-dry	1	3/14/2022 5:20:46 PM
Tetrachloroethene (PCE)	0.144	0.0413		mg/Kg-dry	1	3/14/2022 5:20:46 PM
Surr: Dibromofluoromethane	103	80 - 120		%Rec	1	3/14/2022 5:20:46 PM
Surr: Toluene-d8	109	80 - 120		%Rec	1	3/14/2022 5:20:46 PM
Surr: 1-Bromo-4-fluorobenzene	93.2	80 - 120		%Rec	1	3/14/2022 5:20:46 PM

Sample Moisture (Percent Moisture)

Batch ID: R74043

Analyst: MCH

Percent Moisture	18.3	0.500		wt%	1	3/16/2022 3:05:30 PM
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Date: 3/18/2022

Work Order: 2203282
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-35712	SampType: LCS	Units: mg/Kg	Prep Date: 3/14/2022	RunNo: 73970							
Client ID: LCSS	Batch ID: 35712		Analysis Date: 3/14/2022	SeqNo: 1515628							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.18	0.0250	1.000	0	118	80	120				
1,1-Dichloroethene	1.02	0.100	1.000	0	102	80	120				
trans-1,2-Dichloroethene	1.10	0.0300	1.000	0	110	80	120				
cis-1,2-Dichloroethene	1.11	0.0250	1.000	0	111	80	120				
Trichloroethene (TCE)	1.08	0.0200	1.000	0	108	80	120				
Tetrachloroethene (PCE)	1.08	0.0300	1.000	0	108	80	120				
Surr: Dibromofluoromethane	1.37		1.250		110	80	120				
Surr: Toluene-d8	1.38		1.250		111	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.33		1.250		106	80	120				

Sample ID: MB-35712	SampType: MBLK	Units: mg/Kg	Prep Date: 3/14/2022	RunNo: 73970							
Client ID: MBLKS	Batch ID: 35712		Analysis Date: 3/14/2022	SeqNo: 1515630							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250									
1,1-Dichloroethene	ND	0.100									
trans-1,2-Dichloroethene	ND	0.0300									
cis-1,2-Dichloroethene	ND	0.0250									
Trichloroethene (TCE)	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0300									
Surr: Dibromofluoromethane	1.27		1.250		101	80	120				
Surr: Toluene-d8	1.33		1.250		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250		96.8	80	120				

Sample ID: 2203268-016BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/14/2022	RunNo: 73970							
Client ID: BATCH	Batch ID: 35712		Analysis Date: 3/14/2022	SeqNo: 1515614							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0314						0		30	



Date: 3/18/2022

Work Order: 2203282
CLIENT: Aspect Consulting
Project: Schnitzer Artise

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2203268-016BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/14/2022	RunNo: 73970							
Client ID: BATCH	Batch ID: 35712	Analysis Date: 3/14/2022	SeqNo: 1515614								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.126						0		30	
trans-1,2-Dichloroethene	ND	0.0377						0		30	
cis-1,2-Dichloroethene	ND	0.0314						0		30	
Trichloroethene (TCE)	ND	0.0251						0		30	
Tetrachloroethene (PCE)	ND	0.0377						0		30	
Surr: Dibromofluoromethane	1.62		1.569		103	80	120		0		
Surr: Toluene-d8	1.69		1.569		107	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.47		1.569		93.4	80	120		0		

Sample ID: 2203300-018BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/14/2022	RunNo: 73970							
Client ID: BATCH	Batch ID: 35712	Analysis Date: 3/15/2022	SeqNo: 1515623								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.32	0.0257	1.028	0	129	47.4	135				
1,1-Dichloroethene	1.24	0.103	1.028	0	120	72.1	129				
trans-1,2-Dichloroethene	1.29	0.0308	1.028	0	126	79.7	122				S
cis-1,2-Dichloroethene	1.32	0.0257	1.028	0	128	80.8	121				S
Trichloroethene (TCE)	1.29	0.0206	1.028	0	125	78.4	129				
Tetrachloroethene (PCE)	1.23	0.0308	1.028	0	120	81.3	126				
Surr: Dibromofluoromethane	1.42		1.284		111	80	120				
Surr: Toluene-d8	1.42		1.284		110	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.38		1.284		107	80	120				

NOTES:
S - Outlying spike recoveries were associated with this sample. Associated samples are non-detect.



Sample Log-In Check List

Client Name: AC	Work Order Number: 2203282
Logged by: Gabrielle Coeuille	Date Received: 3/11/2022 10:11:00 AM

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
2. How was the sample delivered? Client

Log In

3. Coolers are present? Yes No NA
4. Shipping container/cooler in good condition? Yes No
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°C * Yes No NA
8. Sample(s) in proper container(s)? Yes No
9. Sufficient sample volume for indicated test(s)? Yes No
10. Are samples properly preserved? Yes No
11. Was preservative added to bottles? Yes No NA
12. Is there headspace in the VOA vials? Yes No NA
13. Did all samples containers arrive in good condition(unbroken)? Yes No
14. Does paperwork match bottle labels? Yes No
15. Are matrices correctly identified on Chain of Custody? Yes No
16. Is it clear what analyses were requested? Yes No
17. Were all holding times able to be met? Yes No

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes No NA

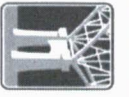
Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont Analytical

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3/11/22

Page: 1 of 1

Project Name: *SAWITZ*

Project No: 140248

Collected by: *DZB*

Location:

Report To (PM): *Al Colburne*

PM Email: *acolburne@aspectconsulting.com*

Laboratory Project No (Internal): **2203282**

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: *Aspect Consulting*

Address:

City, State, Zip:

Telephone: *316.617.0449*

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	YOCs (EPA 8260 / 824)		Gasoline Range Organics (GX)		Hydrocarbon Identification (HCID)		Diesel/Heavy Oil Range Organics (DX)		PAHs (EPA 8270 / 625)		PCBs (EPA 8082 / 608)		Metals** (EPA 6020 / 200.8)		Total (T) / Dissolved (D)		Anions (C)***		EDB (8011)		Comments		
					BTEX	BTEX	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs			
1 <i>Art-115-111-92</i>	<i>3/11/22</i>	<i>0900</i>	<i>Soil</i>	<i>3</i>																							
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 **Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti V Zn
 ***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	<i>David Skrabak</i>	<i>3/11/22</i>	<i>[Signature]</i>	<i>Michelle Sweeney</i>	<i>3/11/22 10:11</i>
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	<i>David Skrabak</i>	<i>3/11/22</i>	<i>[Signature]</i>	<i>Michelle Sweeney</i>	<i>3/11/22 10:11</i>

Turn-around Time:
 Standard Next Day
 3 Day Same Day
 2 Day (specify)

APPENDIX E

Chemical Vapor Barrier Specification and Installation Photographs



Name:	Site Visit Report No.:2	Company:	Morrison Hershfield
Report ID:	SV.02	Project Number:	202014600
Author:	TJ Lynam	Print Date:	08 Jun 2022
Reviewer:	Andy Lang		
Tech Lead:	Andy Lang		

Client: Schnitzer West LLC
Present: Morrison Hershfield: T.J. Lynam
GCP: Wayne M. Drexler
Sound Waterproofing: Mitch Bolster
Sellen: Greg Doughty, Mark Bush, Josh Thorsen

Purpose: MH was on site to review the installation progress of the slab on grade vapor barrier.

Weather: Overcast
Temperature:

Arrival Time: 9:00AM
Site Visit Date: 03 Jun 2022

Site visits and field observations are based on a sampling of completed work, and work in progress at the time of each visit. Field observations are not intended to be exhaustive and do not relieve the Contractor or trades of their responsibilities for quality control, conformance with project construction documents, and applicable codes.

Report Items:

Item ID	Type	Status	Company	Date Created
SV.02.01	For Information Only	None	N/A	03 Jun 2022

Subject:

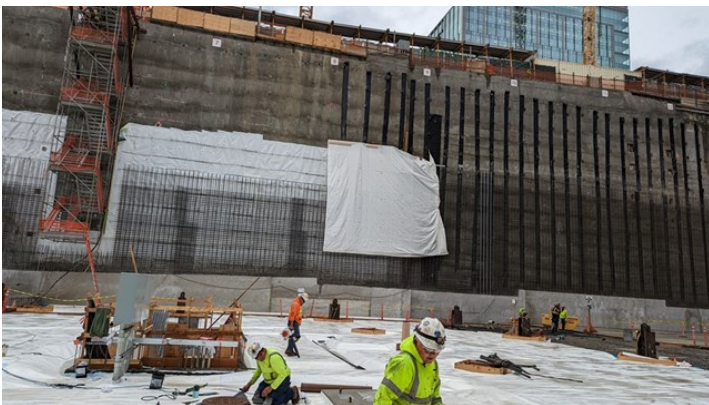
Vapor Barrier Installation Progress

Location:

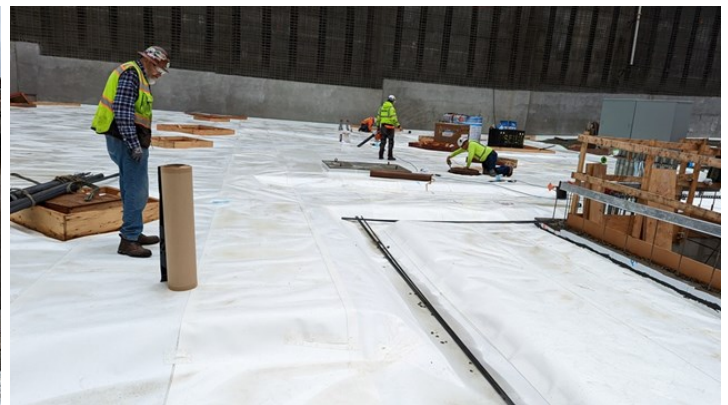
GL 06 - 09

Description:

At the time of our visit, the slab on grade vapor barrier (Preprufe 300R) had been installed between gridline 6 and 9. Of the areas reviewed, the vapor barrier was observed to be properly lapped and without voids or discontinuities. GCP noted one location where the edge of a piece of Preprufe tape was not fully adhered. This location was marked with a black marker. Prior to MH leaving site, the vapor barrier installers added additional tape to this location. See Figure SV.02.01 E - F. In general, MH takes no exception.



SV.02.01.A - Overview of vapor barrier installation



SV.02.01.B - Overview of vapor barrier installation



SV.02.01.C - Overview of vapor barrier installation



SV.02.01.D - In progress vapor barrier sealing



SV.02.01.E - Location marked by GCP to be fully taped by the water proofing installer



SV.02.01.F - Additional tape applied at location indicated by GCP

Item ID	Type	Status	Company	Date Created
SV.02.02	For Information Only	None	N/A	03 Jun 2022

Subject:

Vapor Barrier Terminations

Location:

Perimeter, Elevator Pit & Water Storage Tank

Description:

While on site, the team discussed the vapor barrier terminations. Per discussions on site and email provided by Sellen from GCP, MH understands that GCP had indicated that the substrate was too wet for the Bit LM and Bituthene adhesion required for the typical termination detail. As an alternate GCP noted they would accept a termination bar at the top edge of the membrane being used for a vapor barrier.

MH reviewed a section of the vapor barrier termination on the perimeter wall. The vapor barrier had been terminated against the vertical shotcrete wall with a termination bar secured with fasteners. MH observed one location where the vapor barrier had been damaged around one of the fasteners. Sellen noted this would be taped over to ensure continuity as recommended by the GCP rep. MH understands this is work in progress and in general takes no exception.

At the time of our visit, the vapor barrier had been terminated to the vertical waterproofing (Preprufe 800PA) on a portion of the elevator pit and water storage tank. The typical straight edge GCP detail termination was utilized at this location. GPC noted on site, that a minimum 5" overlap is required between membranes. See Figure SV.02.02.F for typical straight edge detail. MH takes no exception.



SV.02.02.A - Typical perimeter termination with term. bar



SV.02.02.B - Location where vapor barrier was torn at fastener



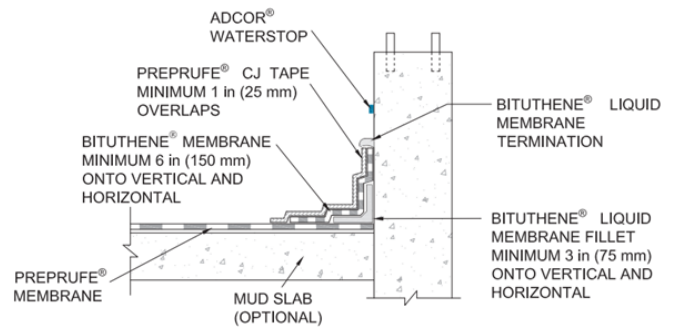
SV.02.02.C - Typical termination detail at elevator pit and water storage tank



SV.02.02.D - Typical termination detail at elevator pit and water storage tank



SV.02.02.E - Typical termination detail at elevator pit and water storage tank



SV.02.02.F - GCP straight edge detail

Item ID	Type	Status	Company	Date Created
SV.02.03	For Information Only	None	N/A	03 Jun 2022

Subject:
Pipe Penetration

Location:
GL 7

Description:

The team reviewed and discussed a pipe penetration through the vapor barrier while on site. At the time of our visit, the team had applied liquid membrane between the pipes and Preprufe. GCP noted that the pipe should be sealed per their typical pipe penetration detail, see Figure SV.02.03.E. Unistrut channels were also penetrating through the vapor barrier adjacent to the pipe penetrations. GCP noted on site that these would be difficult to seal. Sellen will confirm if these struts can be removed. MH understands this is work in progress and takes no exception.



SV.02.03.A - Overview of pipe penetration



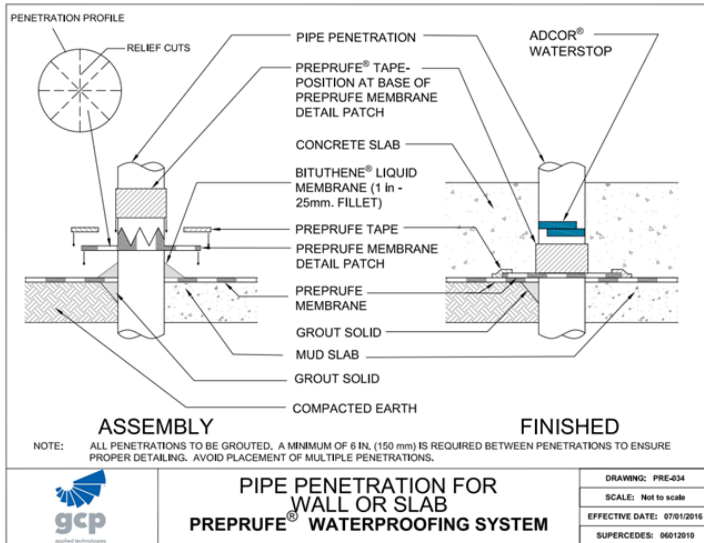
SV.02.03.B - Overview of pipe penetration



SV.02.03.C - Overview of pipe penetration



SV.02.03.D - Overview of pipe penetration



SV.02.03.E - GCP pipe penetration detail

Item ID	Type	Status	Company	Date Created
SV.02.04	For Information Only	None	N/A	03 Jun 2022

Subject:

Vertical Column Penetrations

Location:

General

Description:

While on site, the team discussed the vapor barrier terminations at the structural columns. MH understands that the vapor barrier will be extended and terminated on the baseplate of the vertical columns as directed by GCP. Typical termination details will be used for columns that have bolts or similar extending through the base plate. At the time of our visit, the vapor barrier had not yet been lapped onto the column base plates. MH takes no exception.



SV.02.04.A - Typical vertical column



SV.02.04.B - Typical vertical column



SV.02.04.C - Typical vertical column



Item ID	Type	Status	Company	Date Created
SV.02.05	For Information Only	None	N/A	07 Jun 2022

Subject:
On-going vapor barrier installation

Location:
GL 1 - 6

Description:

Per discussions on site, MH understands the team will be progressing with the vapor barrier installation between gridlines 1 and 6. The vapor barrier will be installed per typical GCP details with the vapor barrier terminating against the shotcrete wall using a termination bar and the typical straight edge GCP detail at the water storage tank. MH takes no exception.



SV.02.05.A - South side of water storage tank (vapor barrier to be installed)



SV.02.05.B - North side of water storage tank (vapor barrier to be installed)



Name:	Site Visit Report No.:4	Company:	Morrison Hershfield
Report ID:	SV.04	Project Number:	202014600
Author:	TJ Lynam	Print Date:	19 Jan 2023
Tech Lead:	Andy Lang		

Client: Schnitzer West LLC

Weather: Clear

Temperature: 50F

Site Visit Date: 10 Jan 2023

Recipients:

Collin DiGiovanni (cdigiovanni@schnitzerwest.com), Luke Schroeder (lschroeder@schnitzerwest.com)

Factory visits and observations are based on a sampling of work in progress and completed work at the time of each visit. Factory observations are not intended to be exhaustive and do not relieve the contractor or trades of their responsibilities for quality control, conformance with project construction documents, and applicable codes



Report Items:

Item ID	Type	Status	Company	Date Created
SV.04.01	For Information Only	None	N/A	13 Jan 2023

Subject:
General

Location:
General

Description:

MH was on site to review the Preprufe 800PA installation progress along the west elevation with Sellen and Sound Waterproofing



SV.04.01.A - Overview of Tower

Item ID	Type	Status	Company	Date Created
SV.04.02	For Information Only	None	N/A	13 Jan 2023

Subject:
Preprufe 800PA Installation Progress

Location:
Level 1

Description:

Preprufe 800PA membrane had been installed on the majority of the horizontal and east wall along the west elevation prior to MH arriving on site. In general, where installed the Preprufe 800PA was observed to be continuous without voids or discontinuities. Fish mouths at the seams in the waterproofing were observed at various locations and had been marked by Sound waterproofing for repair (prior to MH arriving on site). Per discussions on site, MH understands that Sound waterproofing will apply patches of membrane over fish mouths to ensure continuity of the membrane. MH observed the installation of one patch while on site. In general, MH takes no exception.



SV.04.02.A - Overview of Preprufe installation progress



SV.04.02.B - View of horizontal to vertical transition of membrane



SV.04.02.C - Top of east wall termination



SV.04.02.D - Fishmouth marked for repair by Sound waterproofing