

APPENDIX C

Data Quality Review and Laboratory Reports

C. Data Quality Review

Aspect Consulting, LLC (Aspect) performed a data quality review of all analytical data for this study. The findings of Aspect's data quality review and the analytical data reports provided by the subcontracted laboratories are provided in this appendix.

C.1. Laboratory QA/QC Procedures

Standard chain-of-custody procedures were used while transporting samples from the field to the analytical laboratory, where samples were held in cold storage pending extraction/analysis. The subcontracted laboratory, Fremont Analytical in Seattle, Washington, maintains an internal quality assurance program as documented in their quality assurance manual. To evaluate the validity of analytical results from analysis of the samples for this study, the laboratory uses a combination of blanks, blank spike and spike duplicate, and matrix spike and spike duplicate recoveries compared against data quality goals. The analytical results, analytical methods used, and laboratory quality control records are included in the laboratory analytical reports included in this appendix.

C.2. Analytical Data Review

C.2.1. Data Quality Review

Aspect's standard Data Quality Review, referred to herein as DQR, was developed based on the U.S. Environmental Protection Agency (EPA) Stage 2A data validation, with minor modifications designed to meet Aspect's internal data quality and management program goals and the project objectives. Based on this review, a series of qualifier flags are assigned to the data where appropriate. Qualifier flags assigned to the data are included in the analytical data tables attached to this report and summarized in Table C-1 along with definitions of all qualifier flags used during Aspect's DQR.

C.2.2. Data Usability Review

Following the DQR, qualified data were reviewed for usability to meet the specific goals and objectives of this study. In general:

- Data assigned a J, UJ, or E qualifier (estimated) may be used for site evaluation purposes, but the reasons for qualification should be considered when interpreting sample concentrations.
- Data assigned an X (poor match to fuel standard) may be used for both qualification and quantification purposes, but the chromatograms should be reviewed to assess the source of the detected concentration.
- Data assigned a C (laboratory contamination) should be reviewed in the context of the site conditions to assess usability of the data to meet the study objectives.

- Data marked as do-not-report/rejected (R) should not be used under any circumstances.

Values without qualification meet all data measurement quality objectives and are suitable for use.

C.3. Data Quality Review Findings

Based on review of the laboratory QA/QC results, the results of Aspect's DQR, and review of the data qualifiers, it is Aspect's opinion that the data for this study are of acceptable quality for their intended use and to meet the project goals and objectives.

Table C1. Soil Qualifiers

Project No. 180587, NE8 (The Eight) Redevelopment, Bellevue, Washington

Sample ID	Analyte	Lab Flag	Data Quality Review Results	
			Data Qualifier	Explanation
T8-E25-E18-175	Arsenic	Q	J	Calibration standard out
T8-E26-E22-175	Bromomethane	QU	UJ	Calibration standard out
T8-E26-E22-175	Chloroethane	QU	UJ	Calibration standard out
T8-S03-E17-144	Diesel Range Organics		X	Not Kerosene; Chromatographic pattern does not match fuel standard used for quantitation
T8-S03-E18-175	Selenium	B	J	MB contamination
T8-S03-E18-175	Bromomethane	QU	UJ	Calibration standard out
T8-S03-E18-175	Chloroethane	QU	UJ	Calibration standard out
T8-S03-E21-175	Cadmium	B	J	MB contamination
T8-S03-E21-175	Bromomethane	QU	UJ	Calibration standard out
T8-S03-E21-175	Chloroethane	QU	UJ	Calibration standard out
T8-S06-E19-171	Bromomethane	QU	UJ	Calibration standard out
T8-S06-E19-171	Chloroethane	QU	UJ	Calibration standard out
T8-S07-E21-175	Bromomethane	QU	UJ	Calibration standard out
T8-S07-E21-175	Chloroethane	QU	UJ	Calibration standard out
T8-S09-E24-175	Bromomethane	QU	UJ	Calibration standard out
T8-S09-E24-175	Chloroethane	QU	UJ	Calibration standard out
T8-S19-E13-150	Gasoline Range Organics		X	Chromatographic pattern does not match fuel standard
T8-S20-E21-160	Gasoline Range Organics		X	Chromatographic pattern does not match fuel standard
T8-S21-E04-161	Gasoline Range Organics		X	Chromatographic pattern did not match fuel standard
T8-S22-E12-136	Tetrachloroethene (PCE)	J	J	Detected result below RL
T8-S25-E09-166	Gasoline Range Organics		X	Chromatographic pattern did not match fuel standard
T8-S26-E18-139	Gasoline Range Organics		X	Chromatographic pattern does not resemble a known petroleum
T8-S29-E07-165	Chromium	Q	J	Calibration standard out
T8-S29-E07-165	Selenium	Q	J	Calibration standard out
T8-S29-E07-165	Chloromethane	QU	UJ	Calibration standard out
T8-S29-E07-165	Dichlorodifluoromethane	QU	UJ	Calibration standard out
T8-S29-E11-165	Gasoline Range Organics		X	Chromatographic pattern did not match fuel standard
T8-S29-E11-165	Chromium	Q	J	Calibration standard out
T8-S29-E11-165	Selenium	Q	J	Calibration standard out
T8-S29-E11-165	Chloromethane	QU	UJ	Calibration standard out
T8-S29-E11-165	Dichlorodifluoromethane	QU	UJ	Calibration standard out
T8-S29-E23-127	Motor Oil Range Organics	U	U	MB at 138
T8-S29-E24-136	Motor Oil Range Organics	U	U	MB at 138
T8-S31-E04-165	Chromium	Q	J	Calibration standard out
T8-S31-E04-165	Selenium	Q	J	Calibration standard out
T8-S31-E04-165	Chloromethane	QU	UJ	Calibration standard out
T8-S31-E04-165	Dichlorodifluoromethane	QU	UJ	Calibration standard out
T8-S32-E14-160	Chromium	Q	J	Calibration standard out
T8-S32-E14-160	Selenium	Q	J	Calibration standard out
T8-S32-E14-160	Chloromethane	QU	UJ	Calibration standard out
T8-S32-E14-160	Dichlorodifluoromethane	QU	UJ	Calibration standard out
T8-S34-E07-165	Barium	Q	J	Calibration standard out
T8-S34-E07-165	Chromium	Q	J	Calibration standard out
T8-S34-E07-165	Selenium	Q	J	Calibration standard out
T8-S34-E07-165	Chloromethane	QU	UJ	Calibration standard out
T8-S34-E07-165	Dichlorodifluoromethane	QU	UJ	Calibration standard out
T8-S34-E11-165	Barium	Q	J	Calibration standard out
T8-S34-E11-165	Chromium	Q	J	Calibration standard out
T8-S34-E11-165	Selenium	Q	J	Calibration standard out
T8-S34-E11-165	Chloromethane	QU	UJ	Calibration standard out
T8-S34-E11-165	Dichlorodifluoromethane	QU	UJ	Calibration standard out

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,
- 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.



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Aspect Consulting

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

**RE: The Eight Redevelopment
Work Order Number: 2105102**

May 11, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 sample(s) on 5/7/2021 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***
- Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)***
- 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:
Amelia Oates

*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: 05/11/2021

CLIENT: Aspect Consulting
Project: The Eight Redevelopment
Work Order: 2105102

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105102-001	T8-S31-E09-165	05/07/2021 9:45 AM	05/07/2021 1:40 PM
2105102-002	T8-S29-E07-165	05/07/2021 10:00 AM	05/07/2021 1:40 PM
2105102-003	T8-S29-E11-165	05/07/2021 10:20 AM	05/07/2021 1:40 PM
2105102-004	T8-S39-E07-165	05/07/2021 10:35 AM	05/07/2021 1:40 PM
2105102-005	T8-S39-E11-165	05/07/2021 10:45 AM	05/07/2021 1:40 PM
2105102-006	T8-S32-E14-160	05/07/2021 11:05 AM	05/07/2021 1:40 PM
2105102-007	TB-TB-01	05/06/2021 11:42 AM	05/07/2021 1:40 PM

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

CLIENT: Aspect Consulting
Project: The Eight Redevelopment

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: The Eight Redevelopment
Lab ID: 2105102-001
Client Sample ID: T8-S31-E09-165

Collection Date: 5/7/2021 9:45:00 AM
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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	50.8		mg/Kg-dry	1	5/10/2021 12:59:02 AM
Heavy Oil	ND	102		mg/Kg-dry	1	5/10/2021 12:59:02 AM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	5/10/2021 12:59:02 AM
Surr: 2-Fluorobiphenyl	81.4	50 - 150		%Rec	1	5/10/2021 12:59:02 AM
Surr: o-Terphenyl	82.4	50 - 150		%Rec	1	5/10/2021 12:59:02 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
2-Methylnaphthalene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
1-Methylnaphthalene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Acenaphthylene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Acenaphthene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Fluorene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Phenanthrene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Anthracene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Fluoranthene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Pyrene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benz(a)anthracene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Chrysene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benzo(b)fluoranthene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benzo(k)fluoranthene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benzo(a)pyrene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Indeno(1,2,3-cd)pyrene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Dibenz(a,h)anthracene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benzo(g,h,i)perylene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Surr: 2-Fluorobiphenyl	73.9	19 - 135		%Rec	1	5/7/2021 11:58:34 PM
Surr: Terphenyl-d14 (surr)	89.4	42.9 - 156		%Rec	1	5/7/2021 11:58:34 PM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	8.35		mg/Kg-dry	1	5/10/2021 8:22:19 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/10/2021 8:22:19 AM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	5/10/2021 8:22:19 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0835	Q	mg/Kg-dry	1	5/7/2021 8:51:38 PM
Chloromethane	ND	0.134	Q	mg/Kg-dry	1	5/7/2021 8:51:38 PM



Analytical Report

Work Order: 2105102
Date Reported: 5/11/2021

Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-001
Client Sample ID: T8-S31-E09-165

Collection Date: 5/7/2021 9:45:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Vinyl chloride	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Bromomethane	ND	0.251		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Trichlorofluoromethane (CFC-11)	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Chloroethane	ND	0.200		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1-Dichloroethene	ND	0.167		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Acetone	ND	0.835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Methylene chloride	ND	0.0251		mg/Kg-dry	1	5/7/2021 8:51:38 PM
trans-1,2-Dichloroethene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Methyl tert-butyl ether (MTBE)	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1-Dichloroethane	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
cis-1,2-Dichloroethene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
(MEK) 2-Butanone	ND	0.752		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Chloroform	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1,1-Trichloroethane (TCA)	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1-Dichloropropene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Carbon tetrachloride	ND	0.125		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dichloroethane (EDC)	ND	0.0384		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Benzene	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Trichloroethene (TCE)	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dichloropropane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Bromodichloromethane	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Dibromomethane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
cis-1,3-Dichloropropene	ND	0.134		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Toluene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
trans-1,3-Dichloropropylene	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.125		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1,2-Trichloroethane	ND	0.0284		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,3-Dichloropropane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Tetrachloroethene (PCE)	ND	0.0668		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Dibromochloromethane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dibromoethane (EDB)	ND	0.0167		mg/Kg-dry	1	5/7/2021 8:51:38 PM
methyl n-butyl ketone	ND	0.100		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Chlorobenzene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1,1,2-Tetrachloroethane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Ethylbenzene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
m,p-Xylene	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
o-Xylene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Styrene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Isopropylbenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM



Analytical Report

Work Order: 2105102
Date Reported: 5/11/2021

Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-001
Client Sample ID: T8-S31-E09-165

Collection Date: 5/7/2021 9:45:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1,2,2-Tetrachloroethane	ND	0.0251		mg/Kg-dry	1	5/7/2021 8:51:38 PM
n-Propylbenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Bromobenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,3,5-Trimethylbenzene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
2-Chlorotoluene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
4-Chlorotoluene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
tert-Butylbenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2,3-Trichloropropane	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2,4-Trichlorobenzene	ND	0.0668		mg/Kg-dry	1	5/7/2021 8:51:38 PM
sec-Butylbenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
4-Isopropyltoluene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,3-Dichlorobenzene	ND	0.0585		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,4-Dichlorobenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
n-Butylbenzene	ND	0.0668		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dichlorobenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dibromo-3-chloropropane	ND	0.100		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2,4-Trimethylbenzene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Hexachloro-1,3-butadiene	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Naphthalene	ND	0.167		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2,3-Trichlorobenzene	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Surr: Dibromofluoromethane	91.2	81.9 - 113		%Rec	1	5/7/2021 8:51:38 PM
Surr: Toluene-d8	97.3	82.7 - 115		%Rec	1	5/7/2021 8:51:38 PM
Surr: 1-Bromo-4-fluorobenzene	97.8	87.9 - 109		%Rec	1	5/7/2021 8:51:38 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.260		mg/Kg-dry	1	5/10/2021 1:23:00 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	3.25	0.104		mg/Kg-dry	1	5/11/2021 1:50:58 PM
Barium	54.7	0.521		mg/Kg-dry	1	5/11/2021 1:50:58 PM
Cadmium	ND	0.174		mg/Kg-dry	1	5/11/2021 1:50:58 PM
Chromium	33.0	0.347	Q	mg/Kg-dry	1	5/11/2021 1:50:58 PM
Lead	2.52	0.174		mg/Kg-dry	1	5/11/2021 1:50:58 PM
Selenium	1.25	0.174	Q	mg/Kg-dry	1	5/11/2021 1:50:58 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 9:45:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-001

Matrix: Soil

Client Sample ID: T8-S31-E09-165

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260

Analyst: EH

Silver	ND	0.130		mg/Kg-dry	1	5/11/2021 1:50:58 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122

Analyst: KJ

Percent Moisture	9.32			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-002
Client Sample ID: T8-S29-E07-165

Collection Date: 5/7/2021 10:00:00 AM
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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	5/10/2021 1:24:52 AM
Heavy Oil	ND	102		mg/Kg-dry	1	5/10/2021 1:24:52 AM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	5/10/2021 1:24:52 AM
Surr: 2-Fluorobiphenyl	71.5	50 - 150		%Rec	1	5/10/2021 1:24:52 AM
Surr: o-Terphenyl	79.8	50 - 150		%Rec	1	5/10/2021 1:24:52 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
2-Methylnaphthalene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
1-Methylnaphthalene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Acenaphthylene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Acenaphthene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Fluorene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Phenanthrene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Anthracene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Fluoranthene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Pyrene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benz(a)anthracene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Chrysene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benzo(b)fluoranthene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benzo(k)fluoranthene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benzo(a)pyrene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Indeno(1,2,3-cd)pyrene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Dibenz(a,h)anthracene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benzo(g,h,i)perylene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Surr: 2-Fluorobiphenyl	78.3	19 - 135		%Rec	1	5/8/2021 12:19:45 AM
Surr: Terphenyl-d14 (surr)	95.3	42.9 - 156		%Rec	1	5/8/2021 12:19:45 AM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	5.05		mg/Kg-dry	1	5/10/2021 8:52:41 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/10/2021 8:52:41 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	5/10/2021 8:52:41 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0505	Q	mg/Kg-dry	1	5/7/2021 9:21:49 PM
Chloromethane	ND	0.0808	Q	mg/Kg-dry	1	5/7/2021 9:21:49 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 10:00:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-002

Matrix: Soil

Client Sample ID: T8-S29-E07-165

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

Batch ID: 32227

Analyst: CR

Vinyl chloride	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Bromomethane	ND	0.151		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Trichlorofluoromethane (CFC-11)	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Chloroethane	ND	0.121		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1-Dichloroethene	ND	0.101		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Acetone	ND	0.505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Methylene chloride	ND	0.0151		mg/Kg-dry	1	5/7/2021 9:21:49 PM
trans-1,2-Dichloroethene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Methyl tert-butyl ether (MTBE)	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1-Dichloroethane	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
cis-1,2-Dichloroethene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
(MEK) 2-Butanone	ND	0.454		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Chloroform	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1,1-Trichloroethane (TCA)	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1-Dichloropropene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Carbon tetrachloride	ND	0.0757		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dichloroethane (EDC)	ND	0.0232		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Benzene	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Trichloroethene (TCE)	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dichloropropane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Bromodichloromethane	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Dibromomethane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
cis-1,3-Dichloropropene	ND	0.0808		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Toluene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
trans-1,3-Dichloropropylene	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0757		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1,2-Trichloroethane	ND	0.0172		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,3-Dichloropropane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Tetrachloroethene (PCE)	ND	0.0404		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Dibromochloromethane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dibromoethane (EDB)	ND	0.0101		mg/Kg-dry	1	5/7/2021 9:21:49 PM
methyl n-butyl ketone	ND	0.0606		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Chlorobenzene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1,1,2-Tetrachloroethane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Ethylbenzene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
m,p-Xylene	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
o-Xylene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Styrene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Isopropylbenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-002
Client Sample ID: T8-S29-E07-165

Collection Date: 5/7/2021 10:00:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1,2,2-Tetrachloroethane	ND	0.0151		mg/Kg-dry	1	5/7/2021 9:21:49 PM
n-Propylbenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Bromobenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,3,5-Trimethylbenzene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
2-Chlorotoluene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
4-Chlorotoluene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
tert-Butylbenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2,3-Trichloropropane	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2,4-Trichlorobenzene	ND	0.0404		mg/Kg-dry	1	5/7/2021 9:21:49 PM
sec-Butylbenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
4-Isopropyltoluene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,3-Dichlorobenzene	ND	0.0353		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,4-Dichlorobenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
n-Butylbenzene	ND	0.0404		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dichlorobenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dibromo-3-chloropropane	ND	0.0606		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2,4-Trimethylbenzene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Hexachloro-1,3-butadiene	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Naphthalene	ND	0.101		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2,3-Trichlorobenzene	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Surr: Dibromofluoromethane	86.3	81.9 - 113		%Rec	1	5/7/2021 9:21:49 PM
Surr: Toluene-d8	98.1	82.7 - 115		%Rec	1	5/7/2021 9:21:49 PM
Surr: 1-Bromo-4-fluorobenzene	97.1	87.9 - 109		%Rec	1	5/7/2021 9:21:49 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.258		mg/Kg-dry	1	5/10/2021 1:24:38 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	2.22	0.101		mg/Kg-dry	1	5/11/2021 1:56:33 PM
Barium	56.8	0.507		mg/Kg-dry	1	5/11/2021 1:56:33 PM
Cadmium	ND	0.169		mg/Kg-dry	1	5/11/2021 1:56:33 PM
Chromium	25.6	0.338	Q	mg/Kg-dry	1	5/11/2021 1:56:33 PM
Lead	1.93	0.169		mg/Kg-dry	1	5/11/2021 1:56:33 PM
Selenium	1.01	0.169	Q	mg/Kg-dry	1	5/11/2021 1:56:33 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 10:00:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-002

Matrix: Soil

Client Sample ID: T8-S29-E07-165

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260

Analyst: EH

Silver	ND	0.127		mg/Kg-dry	1	5/11/2021 1:56:33 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122

Analyst: KJ

Percent Moisture	10.4			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting

Collection Date: 5/7/2021 10:20:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-003

Matrix: Soil

Client Sample ID: T8-S29-E11-165

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

Batch ID: 32232

Analyst: MM

Diesel (Fuel Oil)	ND	52.5		mg/Kg-dry	1	5/10/2021 1:37:46 AM
Heavy Oil	ND	105		mg/Kg-dry	1	5/10/2021 1:37:46 AM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	5/10/2021 1:37:46 AM
Surr: 2-Fluorobiphenyl	100	50 - 150		%Rec	1	5/10/2021 1:37:46 AM
Surr: o-Terphenyl	110	50 - 150		%Rec	1	5/10/2021 1:37:46 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233

Analyst: IH

Naphthalene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
2-Methylnaphthalene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
1-Methylnaphthalene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Acenaphthylene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Acenaphthene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Fluorene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Phenanthrene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Anthracene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Fluoranthene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Pyrene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benz(a)anthracene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Chrysene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benzo(b)fluoranthene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benzo(k)fluoranthene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benzo(a)pyrene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Indeno(1,2,3-cd)pyrene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Dibenz(a,h)anthracene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benzo(g,h,i)perylene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Surr: 2-Fluorobiphenyl	78.3	19 - 135		%Rec	1	5/8/2021 12:40:58 AM
Surr: Terphenyl-d14 (surr)	94.4	42.9 - 156		%Rec	1	5/8/2021 12:40:58 AM

Gasoline by NWTPH-Gx

Batch ID: 32227

Analyst: CR

Gasoline	ND	7.44		mg/Kg-dry	1	5/10/2021 9:23:03 AM
Gasoline Range Organics (C6-C12)	8.67	7.44		mg/Kg-dry	1	5/10/2021 9:23:03 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	5/10/2021 9:23:03 AM
Surr: 4-Bromofluorobenzene	98.2	65 - 135		%Rec	1	5/10/2021 9:23:03 AM

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12). Detection is from single peak.



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-003
Client Sample ID: T8-S29-E11-165

Collection Date: 5/7/2021 10:20:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0744	Q	mg/Kg-dry	1	5/7/2021 9:52:11 PM
Chloromethane	ND	0.119	Q	mg/Kg-dry	1	5/7/2021 9:52:11 PM
Vinyl chloride	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Bromomethane	ND	0.223		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Trichlorofluoromethane (CFC-11)	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Chloroethane	ND	0.179		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1-Dichloroethene	ND	0.149		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Acetone	ND	0.744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Methylene chloride	ND	0.0223		mg/Kg-dry	1	5/7/2021 9:52:11 PM
trans-1,2-Dichloroethene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Methyl tert-butyl ether (MTBE)	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1-Dichloroethane	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
cis-1,2-Dichloroethene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
(MEK) 2-Butanone	ND	0.670		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Chloroform	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1,1-Trichloroethane (TCA)	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1-Dichloropropene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Carbon tetrachloride	ND	0.112		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dichloroethane (EDC)	ND	0.0342		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Benzene	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Trichloroethene (TCE)	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dichloropropane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Bromodichloromethane	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Dibromomethane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
cis-1,3-Dichloropropene	ND	0.119		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Toluene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
trans-1,3-Dichloropropylene	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.112		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1,2-Trichloroethane	ND	0.0253		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,3-Dichloropropane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Tetrachloroethene (PCE)	ND	0.0596		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Dibromochloromethane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dibromoethane (EDB)	ND	0.0149		mg/Kg-dry	1	5/7/2021 9:52:11 PM
methyl n-butyl ketone	ND	0.0893		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Chlorobenzene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1,1,2-Tetrachloroethane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Ethylbenzene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
m,p-Xylene	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
o-Xylene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 10:20:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-003

Matrix: Soil

Client Sample ID: T8-S29-E11-165

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

Batch ID: 32227

Analyst: CR

Styrene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Isopropylbenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Bromoform	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1,2,2-Tetrachloroethane	ND	0.0223		mg/Kg-dry	1	5/7/2021 9:52:11 PM
n-Propylbenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Bromobenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,3,5-Trimethylbenzene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
2-Chlorotoluene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
4-Chlorotoluene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
tert-Butylbenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2,3-Trichloropropane	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2,4-Trichlorobenzene	ND	0.0596		mg/Kg-dry	1	5/7/2021 9:52:11 PM
sec-Butylbenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
4-Isopropyltoluene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,3-Dichlorobenzene	ND	0.0521		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,4-Dichlorobenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
n-Butylbenzene	ND	0.0596		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dichlorobenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dibromo-3-chloropropane	ND	0.0893		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2,4-Trimethylbenzene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Hexachloro-1,3-butadiene	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Naphthalene	ND	0.149		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2,3-Trichlorobenzene	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Surr: Dibromofluoromethane	91.4	81.9 - 113		%Rec	1	5/7/2021 9:52:11 PM
Surr: Toluene-d8	98.7	82.7 - 115		%Rec	1	5/7/2021 9:52:11 PM
Surr: 1-Bromo-4-fluorobenzene	95.9	87.9 - 109		%Rec	1	5/7/2021 9:52:11 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244

Analyst: LB

Mercury	ND	0.261		mg/Kg-dry	1	5/10/2021 1:26:00 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260

Analyst: EH

Arsenic	2.29	0.0979		mg/Kg-dry	1	5/11/2021 2:02:07 PM
Barium	63.9	0.489		mg/Kg-dry	1	5/11/2021 2:02:07 PM
Cadmium	ND	0.163		mg/Kg-dry	1	5/11/2021 2:02:07 PM
Chromium	23.2	0.326	Q	mg/Kg-dry	1	5/11/2021 2:02:07 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 10:20:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-003

Matrix: Soil

Client Sample ID: T8-S29-E11-165

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260

Analyst: EH

Lead	1.91	0.163		mg/Kg-dry	1	5/11/2021 2:02:07 PM
Selenium	1.30	0.163	Q	mg/Kg-dry	1	5/11/2021 2:02:07 PM
Silver	ND	0.122		mg/Kg-dry	1	5/11/2021 2:02:07 PM

NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122

Analyst: KJ

Percent Moisture	7.80			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-004
Client Sample ID: T8-S39-E07-165

Collection Date: 5/7/2021 10:35:00 AM

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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	47.3		mg/Kg-dry	1	5/10/2021 1:50:43 AM
Heavy Oil	ND	94.7		mg/Kg-dry	1	5/10/2021 1:50:43 AM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	5/10/2021 1:50:43 AM
Surr: 2-Fluorobiphenyl	69.2	50 - 150		%Rec	1	5/10/2021 1:50:43 AM
Surr: o-Terphenyl	75.2	50 - 150		%Rec	1	5/10/2021 1:50:43 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
2-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
1-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Acenaphthylene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Acenaphthene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Fluorene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Phenanthrene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Anthracene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Fluoranthene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Pyrene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benz(a)anthracene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Chrysene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benzo(b)fluoranthene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benzo(k)fluoranthene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benzo(a)pyrene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Indeno(1,2,3-cd)pyrene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Dibenz(a,h)anthracene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benzo(g,h,i)perylene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Surr: 2-Fluorobiphenyl	77.5	19 - 135		%Rec	1	5/10/2021 11:39:00 AM
Surr: Terphenyl-d14 (surr)	93.0	42.9 - 156		%Rec	1	5/10/2021 11:39:00 AM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	4.56		mg/Kg-dry	1	5/10/2021 10:23:47 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/10/2021 10:23:47 AM
Surr: 4-Bromofluorobenzene	97.7	65 - 135		%Rec	1	5/10/2021 10:23:47 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0456	Q	mg/Kg-dry	1	5/7/2021 10:52:38 PM
Chloromethane	ND	0.0729	Q	mg/Kg-dry	1	5/7/2021 10:52:38 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 10:35:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-004

Matrix: Soil

Client Sample ID: T8-S39-E07-165

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

Batch ID: 32227

Analyst: CR

Vinyl chloride	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Bromomethane	ND	0.137		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Trichlorofluoromethane (CFC-11)	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Chloroethane	ND	0.109		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1-Dichloroethene	ND	0.0912		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Acetone	ND	0.456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Methylene chloride	ND	0.0137		mg/Kg-dry	1	5/7/2021 10:52:38 PM
trans-1,2-Dichloroethene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Methyl tert-butyl ether (MTBE)	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1-Dichloroethane	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
cis-1,2-Dichloroethene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
(MEK) 2-Butanone	ND	0.410		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Chloroform	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1,1-Trichloroethane (TCA)	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1-Dichloropropene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Carbon tetrachloride	ND	0.0684		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dichloroethane (EDC)	ND	0.0210		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Benzene	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Trichloroethene (TCE)	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dichloropropane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Bromodichloromethane	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Dibromomethane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
cis-1,3-Dichloropropene	ND	0.0729		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Toluene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
trans-1,3-Dichloropropylene	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0684		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1,2-Trichloroethane	ND	0.0155		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,3-Dichloropropane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Tetrachloroethene (PCE)	ND	0.0365		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Dibromochloromethane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dibromoethane (EDB)	ND	0.00912		mg/Kg-dry	1	5/7/2021 10:52:38 PM
methyl n-butyl ketone	ND	0.0547		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Chlorobenzene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1,1,2-Tetrachloroethane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Ethylbenzene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
m,p-Xylene	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
o-Xylene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Styrene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Isopropylbenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-004
Client Sample ID: T8-S39-E07-165

Collection Date: 5/7/2021 10:35:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1,2,2-Tetrachloroethane	ND	0.0137		mg/Kg-dry	1	5/7/2021 10:52:38 PM
n-Propylbenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Bromobenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,3,5-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
2-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
4-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
tert-Butylbenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2,3-Trichloropropane	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2,4-Trichlorobenzene	ND	0.0365		mg/Kg-dry	1	5/7/2021 10:52:38 PM
sec-Butylbenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
4-Isopropyltoluene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,3-Dichlorobenzene	ND	0.0319		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,4-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
n-Butylbenzene	ND	0.0365		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dibromo-3-chloropropane	ND	0.0547		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2,4-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Hexachloro-1,3-butadiene	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Naphthalene	ND	0.0912		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2,3-Trichlorobenzene	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Surr: Dibromofluoromethane	90.4	81.9 - 113		%Rec	1	5/7/2021 10:52:38 PM
Surr: Toluene-d8	99.3	82.7 - 115		%Rec	1	5/7/2021 10:52:38 PM
Surr: 1-Bromo-4-fluorobenzene	97.2	87.9 - 109		%Rec	1	5/7/2021 10:52:38 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.268		mg/Kg-dry	1	5/10/2021 1:27:50 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	2.82	0.104		mg/Kg-dry	1	5/11/2021 2:18:51 PM
Barium	64.6	0.519	Q	mg/Kg-dry	1	5/11/2021 2:18:51 PM
Cadmium	ND	0.173		mg/Kg-dry	1	5/11/2021 2:18:51 PM
Chromium	27.4	0.346	Q	mg/Kg-dry	1	5/11/2021 2:18:51 PM
Lead	2.09	0.173		mg/Kg-dry	1	5/11/2021 2:18:51 PM
Selenium	1.57	0.173	Q	mg/Kg-dry	1	5/11/2021 2:18:51 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-004
Client Sample ID: T8-S39-E07-165

Collection Date: 5/7/2021 10:35:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Silver	ND	0.130		mg/Kg-dry	1	5/11/2021 2:18:51 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122 Analyst: KJ

Percent Moisture	10.3			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-005
Client Sample ID: T8-S39-E11-165

Collection Date: 5/7/2021 10:45:00 AM

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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	46.5		mg/Kg-dry	1	5/10/2021 2:03:33 AM
Heavy Oil	ND	93.0		mg/Kg-dry	1	5/10/2021 2:03:33 AM
Total Petroleum Hydrocarbons	ND	140		mg/Kg-dry	1	5/10/2021 2:03:33 AM
Surr: 2-Fluorobiphenyl	111	50 - 150		%Rec	1	5/10/2021 2:03:33 AM
Surr: o-Terphenyl	114	50 - 150		%Rec	1	5/10/2021 2:03:33 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
2-Methylnaphthalene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
1-Methylnaphthalene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Acenaphthylene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Acenaphthene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Fluorene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Phenanthrene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Anthracene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Fluoranthene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Pyrene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benz(a)anthracene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Chrysene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benzo(b)fluoranthene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benzo(k)fluoranthene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benzo(a)pyrene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Indeno(1,2,3-cd)pyrene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Dibenz(a,h)anthracene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benzo(g,h,i)perylene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Surr: 2-Fluorobiphenyl	78.3	19 - 135		%Rec	1	5/8/2021 1:23:11 AM
Surr: Terphenyl-d14 (surr)	94.7	42.9 - 156		%Rec	1	5/8/2021 1:23:11 AM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	6.37		mg/Kg-dry	1	5/10/2021 10:54:04 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/10/2021 10:54:04 AM
Surr: 4-Bromofluorobenzene	97.8	65 - 135		%Rec	1	5/10/2021 10:54:04 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0637	Q	mg/Kg-dry	1	5/7/2021 11:23:01 PM
Chloromethane	ND	0.102	Q	mg/Kg-dry	1	5/7/2021 11:23:01 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 10:45:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-005

Matrix: Soil

Client Sample ID: T8-S39-E11-165

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

Batch ID: 32227

Analyst: CR

Vinyl chloride	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Bromomethane	ND	0.191		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Trichlorofluoromethane (CFC-11)	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Chloroethane	ND	0.153		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1-Dichloroethene	ND	0.127		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Acetone	ND	0.637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Methylene chloride	ND	0.0191		mg/Kg-dry	1	5/7/2021 11:23:01 PM
trans-1,2-Dichloroethene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Methyl tert-butyl ether (MTBE)	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1-Dichloroethane	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
cis-1,2-Dichloroethene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
(MEK) 2-Butanone	ND	0.573		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Chloroform	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1,1-Trichloroethane (TCA)	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1-Dichloropropene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Carbon tetrachloride	ND	0.0955		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dichloroethane (EDC)	ND	0.0293		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Benzene	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Trichloroethene (TCE)	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dichloropropane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Bromodichloromethane	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Dibromomethane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
cis-1,3-Dichloropropene	ND	0.102		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Toluene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
trans-1,3-Dichloropropylene	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0955		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1,2-Trichloroethane	ND	0.0216		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,3-Dichloropropane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Tetrachloroethene (PCE)	ND	0.0509		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Dibromochloromethane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dibromoethane (EDB)	ND	0.0127		mg/Kg-dry	1	5/7/2021 11:23:01 PM
methyl n-butyl ketone	ND	0.0764		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Chlorobenzene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1,1,2-Tetrachloroethane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Ethylbenzene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
m,p-Xylene	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
o-Xylene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Styrene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Isopropylbenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-005
Client Sample ID: T8-S39-E11-165

Collection Date: 5/7/2021 10:45:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1,2,2-Tetrachloroethane	ND	0.0191		mg/Kg-dry	1	5/7/2021 11:23:01 PM
n-Propylbenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Bromobenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,3,5-Trimethylbenzene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
2-Chlorotoluene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
4-Chlorotoluene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
tert-Butylbenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2,3-Trichloropropane	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2,4-Trichlorobenzene	ND	0.0509		mg/Kg-dry	1	5/7/2021 11:23:01 PM
sec-Butylbenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
4-Isopropyltoluene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,3-Dichlorobenzene	ND	0.0446		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,4-Dichlorobenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
n-Butylbenzene	ND	0.0509		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dichlorobenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dibromo-3-chloropropane	ND	0.0764		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2,4-Trimethylbenzene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Hexachloro-1,3-butadiene	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Naphthalene	ND	0.127		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2,3-Trichlorobenzene	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Surr: Dibromofluoromethane	90.2	81.9 - 113		%Rec	1	5/7/2021 11:23:01 PM
Surr: Toluene-d8	99.2	82.7 - 115		%Rec	1	5/7/2021 11:23:01 PM
Surr: 1-Bromo-4-fluorobenzene	96.0	87.9 - 109		%Rec	1	5/7/2021 11:23:01 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.270		mg/Kg-dry	1	5/10/2021 1:29:27 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	3.12	0.101		mg/Kg-dry	1	5/11/2021 2:24:25 PM
Barium	59.9	0.504	Q	mg/Kg-dry	1	5/11/2021 2:24:25 PM
Cadmium	ND	0.168		mg/Kg-dry	1	5/11/2021 2:24:25 PM
Chromium	28.3	0.336	Q	mg/Kg-dry	1	5/11/2021 2:24:25 PM
Lead	2.00	0.168		mg/Kg-dry	1	5/11/2021 2:24:25 PM
Selenium	2.22	0.168	Q	mg/Kg-dry	1	5/11/2021 2:24:25 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-005
Client Sample ID: T8-S39-E11-165

Collection Date: 5/7/2021 10:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Silver	ND	0.126		mg/Kg-dry	1	5/11/2021 2:24:25 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122 Analyst: KJ

Percent Moisture	9.13			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-006
Client Sample ID: T8-S32-E14-160

Collection Date: 5/7/2021 11:05:00 AM
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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	51.8		mg/Kg-dry	1	5/10/2021 2:16:34 AM
Heavy Oil	ND	104		mg/Kg-dry	1	5/10/2021 2:16:34 AM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	5/10/2021 2:16:34 AM
Surr: 2-Fluorobiphenyl	76.1	50 - 150		%Rec	1	5/10/2021 2:16:34 AM
Surr: o-Terphenyl	83.4	50 - 150		%Rec	1	5/10/2021 2:16:34 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
2-Methylnaphthalene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
1-Methylnaphthalene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Acenaphthylene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Acenaphthene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Fluorene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Phenanthrene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Anthracene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Fluoranthene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Pyrene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benz(a)anthracene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Chrysene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benzo(b)fluoranthene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benzo(k)fluoranthene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benzo(a)pyrene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Indeno(1,2,3-cd)pyrene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Dibenz(a,h)anthracene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benzo(g,h,i)perylene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Surr: 2-Fluorobiphenyl	78.4	19 - 135		%Rec	1	5/8/2021 1:44:23 AM
Surr: Terphenyl-d14 (surr)	93.3	42.9 - 156		%Rec	1	5/8/2021 1:44:23 AM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	4.67		mg/Kg-dry	1	5/10/2021 11:24:30 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/10/2021 11:24:30 AM
Surr: 4-Bromofluorobenzene	98.1	65 - 135		%Rec	1	5/10/2021 11:24:30 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0467	Q	µg/L-dry	1	5/7/2021 11:53:15 PM
Chloromethane	ND	0.0748	Q	µg/L-dry	1	5/7/2021 11:53:15 PM



Analytical Report

Work Order: 2105102
Date Reported: 5/11/2021

Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-006
Client Sample ID: T8-S32-E14-160

Collection Date: 5/7/2021 11:05:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Vinyl chloride	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Bromomethane	ND	0.140		µg/L-dry	1	5/7/2021 11:53:15 PM
Trichlorofluoromethane (CFC-11)	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
Chloroethane	ND	0.112		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1-Dichloroethene	ND	0.0934		µg/L-dry	1	5/7/2021 11:53:15 PM
Acetone	ND	0.467		µg/L-dry	1	5/7/2021 11:53:15 PM
Methylene chloride	ND	0.0140		µg/L-dry	1	5/7/2021 11:53:15 PM
trans-1,2-Dichloroethene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
Methyl tert-butyl ether (MTBE)	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1-Dichloroethane	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
cis-1,2-Dichloroethene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
(MEK) 2-Butanone	ND	0.420		µg/L-dry	1	5/7/2021 11:53:15 PM
Chloroform	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1,1-Trichloroethane (TCA)	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1-Dichloropropene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Carbon tetrachloride	ND	0.0701		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dichloroethane (EDC)	ND	0.0215		µg/L-dry	1	5/7/2021 11:53:15 PM
Benzene	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
Trichloroethene (TCE)	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dichloropropane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
Bromodichloromethane	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Dibromomethane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
cis-1,3-Dichloropropene	ND	0.0748		µg/L-dry	1	5/7/2021 11:53:15 PM
Toluene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
trans-1,3-Dichloropropylene	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0701		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1,2-Trichloroethane	ND	0.0159		µg/L-dry	1	5/7/2021 11:53:15 PM
1,3-Dichloropropane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
Tetrachloroethene (PCE)	ND	0.0374		µg/L-dry	1	5/7/2021 11:53:15 PM
Dibromochloromethane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dibromoethane (EDB)	ND	0.00934		µg/L-dry	1	5/7/2021 11:53:15 PM
methyl n-butyl ketone	ND	0.0561		µg/L-dry	1	5/7/2021 11:53:15 PM
Chlorobenzene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1,1,2-Tetrachloroethane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
Ethylbenzene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
m,p-Xylene	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
o-Xylene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Styrene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Isopropylbenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-006
Client Sample ID: T8-S32-E14-160

Collection Date: 5/7/2021 11:05:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1,2,2-Tetrachloroethane	ND	0.0140		µg/L-dry	1	5/7/2021 11:53:15 PM
n-Propylbenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
Bromobenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,3,5-Trimethylbenzene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
2-Chlorotoluene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
4-Chlorotoluene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
tert-Butylbenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2,3-Trichloropropane	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2,4-Trichlorobenzene	ND	0.0374		µg/L-dry	1	5/7/2021 11:53:15 PM
sec-Butylbenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
4-Isopropyltoluene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,3-Dichlorobenzene	ND	0.0327		µg/L-dry	1	5/7/2021 11:53:15 PM
1,4-Dichlorobenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
n-Butylbenzene	ND	0.0374		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dichlorobenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dibromo-3-chloropropane	ND	0.0561		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2,4-Trimethylbenzene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Hexachloro-1,3-butadiene	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
Naphthalene	ND	0.0934		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2,3-Trichlorobenzene	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
Surr: Dibromofluoromethane	91.5	81.9 - 113		%Rec	1	5/7/2021 11:53:15 PM
Surr: Toluene-d8	101	82.7 - 115		%Rec	1	5/7/2021 11:53:15 PM
Surr: 1-Bromo-4-fluorobenzene	95.8	87.9 - 109		%Rec	1	5/7/2021 11:53:15 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.275		mg/Kg-dry	1	5/10/2021 1:31:10 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	2.47	0.103		mg/Kg-dry	1	5/11/2021 1:23:08 PM
Barium	51.4	0.517		mg/Kg-dry	1	5/11/2021 1:23:08 PM
Cadmium	ND	0.172		mg/Kg-dry	1	5/11/2021 1:23:08 PM
Chromium	28.9	0.345	Q	mg/Kg-dry	1	5/11/2021 1:23:08 PM
Lead	1.87	0.172		mg/Kg-dry	1	5/11/2021 1:23:08 PM
Selenium	1.06	0.172	Q	mg/Kg-dry	1	5/11/2021 1:23:08 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 11:05:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-006

Matrix: Soil

Client Sample ID: T8-S32-E14-160

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Silver	ND	0.129		mg/Kg-dry	1	5/11/2021 1:23:08 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122 Analyst: KJ

Percent Moisture	10.7			wt%	1	5/10/2021 10:29:14 AM
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Analytical Report

Work Order: 2105102
Date Reported: 5/11/2021

Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-007
Client Sample ID: TB-TB-01

Collection Date: 5/6/2021 11:42:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500	Q	mg/Kg	1	5/7/2021 8:21:16 PM
Chloromethane	ND	0.0800	Q	mg/Kg	1	5/7/2021 8:21:16 PM
Vinyl chloride	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Bromomethane	ND	0.150		mg/Kg	1	5/7/2021 8:21:16 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
Chloroethane	ND	0.120		mg/Kg	1	5/7/2021 8:21:16 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	5/7/2021 8:21:16 PM
Acetone	ND	0.500		mg/Kg	1	5/7/2021 8:21:16 PM
Methylene chloride	ND	0.0150		mg/Kg	1	5/7/2021 8:21:16 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	5/7/2021 8:21:16 PM
Chloroform	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	5/7/2021 8:21:16 PM
Benzene	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
Bromodichloromethane	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Dibromomethane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	5/7/2021 8:21:16 PM
Toluene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	5/7/2021 8:21:16 PM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	5/7/2021 8:21:16 PM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	5/7/2021 8:21:16 PM
Dibromochloromethane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	5/7/2021 8:21:16 PM
methyl n-butyl ketone	ND	0.0600		mg/Kg	1	5/7/2021 8:21:16 PM
Chlorobenzene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
Ethylbenzene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
m,p-Xylene	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
o-Xylene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM



Client: Aspect Consulting

Collection Date: 5/6/2021 11:42:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-007

Matrix: Soil

Client Sample ID: TB-TB-01

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

Batch ID: 32227

Analyst: CR

Styrene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Isopropylbenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
Bromoform	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	5/7/2021 8:21:16 PM
n-Propylbenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
Bromobenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	5/7/2021 8:21:16 PM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	5/7/2021 8:21:16 PM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
n-Butylbenzene	ND	0.0400		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	5/7/2021 8:21:16 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
Naphthalene	ND	0.100		mg/Kg	1	5/7/2021 8:21:16 PM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
Surr: Dibromofluoromethane	89.8	81.9 - 113		%Rec	1	5/7/2021 8:21:16 PM
Surr: Toluene-d8	98.4	82.7 - 115		%Rec	1	5/7/2021 8:21:16 PM
Surr: 1-Bromo-4-fluorobenzene	95.1	87.9 - 109		%Rec	1	5/7/2021 8:21:16 PM

NOTES:

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

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-32260	SampType: MBLK	Units: mg/Kg	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: MBLKS	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353336							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0960									
Barium	ND	0.480									
Cadmium	ND	0.160									
Chromium	ND	0.320									
Lead	ND	0.160									
Selenium	ND	0.160									
Silver	ND	0.120									

Sample ID: LCS-32260	SampType: LCS	Units: mg/Kg	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: LCSS	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353337							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.8	0.0945	39.37	0	98.5	80	120				
Barium	41.5	0.472	39.37	0	106	80	120				
Cadmium	1.89	0.157	1.969	0	96.1	80	120				
Chromium	41.8	0.315	39.37	0	106	80	120				
Lead	19.4	0.157	19.69	0	98.5	80	120				
Selenium	4.10	0.157	3.937	0	104	80	120				
Silver	1.93	0.118	1.969	0	97.8	80	120				

Sample ID: 2105102-006AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: T8-S32-E14-160	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353340							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.2	0.103	42.75	2.354	105	75	125				
Barium	95.0	0.513	42.75	56.11	91.1	75	125				
Cadmium	2.39	0.171	2.137	0.07759	108	75	125				
Chromium	72.0	0.342	42.75	21.41	118	75	125				
Lead	23.3	0.171	21.37	1.689	101	75	125				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2105102-006AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: T8-S32-E14-160	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353340							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	5.68	0.171	4.275	0.9710	110	75	125				
Silver	2.18	0.128	2.137	0	102	75	125				

Sample ID: 2105102-006AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: T8-S32-E14-160	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353341							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	46.1	0.103	43.08	2.354	101	75	125	47.24	2.53	20	
Barium	91.6	0.517	43.08	56.11	82.3	75	125	95.05	3.74	20	
Cadmium	2.27	0.172	2.154	0.07759	102	75	125	2.385	5.14	20	
Chromium	72.3	0.345	43.08	21.41	118	75	125	71.95	0.467	20	
Lead	22.1	0.172	21.54	1.689	94.8	75	125	23.28	5.11	20	
Selenium	5.01	0.172	4.308	0.9710	93.8	75	125	5.680	12.5	20	
Silver	2.05	0.129	2.154	0	95.2	75	125	2.180	6.12	20	

Sample ID: CCV-32260A	SampType: CCV	Units: µg/L	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: CCV	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353346							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	110	1.20	100.0	0	110	90	110				
Barium	106	6.00	100.0	0	106	90	110				
Cadmium	5.46	2.00	5.000	0	109	90	110				
Chromium	112	4.00	100.0	0	112	90	110				S
Lead	51.0	2.00	50.00	0	102	90	110				
Selenium	27.8	2.00	25.00	0	111	90	110				S
Silver	5.39	1.50	5.000	0	108	90	110				

NOTES:

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

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: CCV-32260B	SampType: CCV	Units: µg/L	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: CCV	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353465							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	104	1.20	100.0	0	104	90	110				
Barium	112	6.00	100.0	0	112	90	110				S
Cadmium	5.41	2.00	5.000	0	108	90	110				
Chromium	102	4.00	100.0	0	102	90	110				
Lead	49.5	2.00	50.00	0	99.0	90	110				
Selenium	26.3	2.00	25.00	0	105	90	110				
Silver	5.22	1.50	5.000	0	104	90	110				

NOTES:

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

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-32244	SampType: MBLK	Units: mg/Kg	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: MBLKS	Batch ID: 32244	Analysis Date: 5/10/2021	SeqNo: 1352647								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-32244	SampType: LCS	Units: mg/Kg	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: LCSS	Batch ID: 32244	Analysis Date: 5/10/2021	SeqNo: 1352648								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.546 0.250 0.5000 0 109 80 120

Sample ID: 2104419-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: BATCH	Batch ID: 32244	Analysis Date: 5/10/2021	SeqNo: 1352650								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.0706 0 20

Sample ID: 2104419-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: BATCH	Batch ID: 32244	Analysis Date: 5/10/2021	SeqNo: 1352651								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.188 0.0700 0.1400 0.04320 103 70 130

Sample ID: 2104419-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: BATCH	Batch ID: 32244	Analysis Date: 5/10/2021	SeqNo: 1352652								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.183 0.0718 0.1437 0.04320 97.1 70 130 0.1876 2.59 20

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

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

Sample ID: MB-32232	SampType: MBLK	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: MBLKS	Batch ID: 32232		Analysis Date: 5/9/2021	SeqNo: 1352282							
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	9.85		10.00		98.5	50	150				
Surr: o-Terphenyl	9.99		10.00		99.9	50	150				

Sample ID: LCS-32232	SampType: LCS	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: LCSS	Batch ID: 32232		Analysis Date: 5/9/2021	SeqNo: 1352283							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	516	50.0	500.0	0	103	75.7	116				
Surr: 2-Fluorobiphenyl	9.53		10.00		95.3	50	150				
Surr: o-Terphenyl	11.5		10.00		115	50	150				

Sample ID: 2105058-004AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: BATCH	Batch ID: 32232		Analysis Date: 5/9/2021	SeqNo: 1352290							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	611	61.6	615.6	0	99.2	59.6	134				
Surr: 2-Fluorobiphenyl	7.65		12.31		62.1	50	150				
Surr: o-Terphenyl	10.8		12.31		87.4	50	150				

Sample ID: 2105058-004AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: BATCH	Batch ID: 32232		Analysis Date: 5/9/2021	SeqNo: 1352291							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	607	59.2	591.5	0	103	59.6	134	610.5	0.552	30	
Surr: 2-Fluorobiphenyl	7.70		11.83		65.1	50	150		0		
Surr: o-Terphenyl	9.64		11.83		81.5	50	150		0		

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

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

Sample ID: 2105058-004AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: BATCH	Batch ID: 32232	Analysis Date: 5/9/2021	SeqNo: 1352291								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2105102-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: T8-S31-E09-165	Batch ID: 32232	Analysis Date: 5/10/2021	SeqNo: 1352301								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	51.2						0		30	
Heavy Oil	ND	102						0		30	
Total Petroleum Hydrocarbons	ND	154						0		30	
Surr: 2-Fluorobiphenyl	8.68		10.24		84.8	50	150		0		
Surr: o-Terphenyl	9.10		10.24		88.9	50	150		0		

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-32233	SampType: MBLK	Units: µg/Kg	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: MBLKS	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352247							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
Acenaphthylene	ND	20.0									
Acenaphthene	ND	20.0									
Fluorene	ND	20.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
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									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2-Fluorobiphenyl	843		1,000		84.3	19	135				
Surr: Terphenyl-d14 (surr)	986		1,000		98.6	42.9	156				

Sample ID: LCS-32233	SampType: LCS	Units: µg/Kg	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: LCSS	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352248							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,650	20.0	2,000	0	82.4	62.7	127				
2-Methylnaphthalene	1,660	20.0	2,000	0	83.2	62.7	132				
1-Methylnaphthalene	1,700	20.0	2,000	0	84.8	61.4	131				
Acenaphthylene	1,590	20.0	2,000	0	79.7	62	132				
Acenaphthene	1,650	20.0	2,000	0	82.5	59.2	132				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCS-32233	SampType: LCS	Units: µg/Kg	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: LCSS	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352248							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,720	20.0	2,000	0	85.8	59.1	136				
Phenanthrene	1,700	40.0	2,000	0	84.9	54.1	139				
Anthracene	1,680	40.0	2,000	0	84.2	55.5	136				
Fluoranthene	1,720	40.0	2,000	0	85.9	52.8	149				
Pyrene	1,650	40.0	2,000	0	82.5	53.6	146				
Benzo(a)anthracene	1,670	20.0	2,000	0	83.7	49.7	153				
Chrysene	1,620	40.0	2,000	0	81.1	52.6	147				
Benzo(b)fluoranthene	1,720	20.0	2,000	0	86.2	50.6	151				
Benzo(k)fluoranthene	1,670	20.0	2,000	0	83.5	47.1	155				
Benzo(a)pyrene	1,860	20.0	2,000	0	93.2	48.3	169				
Indeno(1,2,3-cd)pyrene	1,780	40.0	2,000	0	89.1	52.3	145				
Dibenz(a,h)anthracene	1,830	40.0	2,000	0	91.7	53	144				
Benzo(g,h,i)perylene	1,660	20.0	2,000	0	83.1	49.7	144				
Surr: 2-Fluorobiphenyl	870		1,000		87.0	19	135				
Surr: Terphenyl-d14 (surr)	983		1,000		98.3	42.9	156				

Sample ID: 2104399-001AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: BATCH	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352251							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,530	21.7	2,173	0	70.3	26.5	126				
2-Methylnaphthalene	1,560	21.7	2,173	4.484	71.7	40.5	117				
1-Methylnaphthalene	1,600	21.7	2,173	3.800	73.4	37	118				
Acenaphthylene	1,540	21.7	2,173	0	70.7	34.6	121				
Acenaphthene	1,560	21.7	2,173	0	71.6	36.9	114				
Fluorene	1,650	21.7	2,173	3.141	75.9	36.5	120				
Phenanthrene	1,660	43.5	2,173	32.31	75.0	29.2	124				
Anthracene	1,650	43.5	2,173	0	76.0	32.9	127				
Fluoranthene	1,680	43.5	2,173	34.31	75.9	33.2	130				
Pyrene	1,630	43.5	2,173	35.60	73.2	32	128				

Work Order: 2105102
 CLIENT: Aspect Consulting
 Project: The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2104399-001AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: BATCH	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352251							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,670	21.7	2,173	20.73	76.0	33	134				
Chrysene	1,550	43.5	2,173	44.07	69.1	33.1	123				
Benzo(b)fluoranthene	1,580	21.7	2,173	26.20	71.4	36.3	126				
Benzo(k)fluoranthene	1,710	21.7	2,173	13.62	78.0	33.2	131				
Benzo(a)pyrene	1,800	21.7	2,173	26.64	81.7	36.2	148				
Indeno(1,2,3-cd)pyrene	1,530	43.5	2,173	13.95	69.8	32.8	124				
Dibenz(a,h)anthracene	1,600	43.5	2,173	9.895	73.0	31.4	126				
Benzo(g,h,i)perylene	1,340	21.7	2,173	21.95	60.5	25.3	122				
Surr: 2-Fluorobiphenyl	811		1,086		74.6	19	135				
Surr: Terphenyl-d14 (surr)	941		1,086		86.6	42.9	156				

Sample ID: 2104399-001AMSD	SampType: MSD	Units: µg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: BATCH	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352252							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,800	22.8	2,278	0	78.8	26.5	126	1,528	16.2	30	
2-Methylnaphthalene	1,840	22.8	2,278	4.484	80.4	40.5	117	1,563	16.1	30	
1-Methylnaphthalene	1,870	22.8	2,278	3.800	82.1	37	118	1,598	15.9	30	
Acenaphthylene	1,800	22.8	2,278	0	79.1	34.6	121	1,536	15.9	30	
Acenaphthene	1,820	22.8	2,278	0	79.7	36.9	114	1,557	15.4	30	
Fluorene	1,920	22.8	2,278	3.141	84.1	36.5	120	1,652	14.9	30	
Phenanthrene	1,940	45.6	2,278	32.31	83.6	29.2	124	1,662	15.3	30	
Anthracene	1,930	45.6	2,278	0	84.9	32.9	127	1,651	15.8	30	
Fluoranthene	1,960	45.6	2,278	34.31	84.7	33.2	130	1,683	15.4	30	
Pyrene	1,910	45.6	2,278	35.60	82.1	32	128	1,626	15.9	30	
Benzo(a)anthracene	1,910	22.8	2,278	20.73	83.0	33	134	1,673	13.4	30	
Chrysene	1,840	45.6	2,278	44.07	79.0	33.1	123	1,545	17.7	30	
Benzo(b)fluoranthene	1,800	22.8	2,278	26.20	77.9	36.3	126	1,577	13.2	30	
Benzo(k)fluoranthene	1,910	22.8	2,278	13.62	83.2	33.2	131	1,708	11.2	30	
Benzo(a)pyrene	2,020	22.8	2,278	26.64	87.7	36.2	148	1,803	11.6	30	

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2104399-001AMSD	SampType: MSD	Units: µg/Kg-dry		Prep Date: 5/7/2021	RunNo: 67116						
Client ID: BATCH	Batch ID: 32233			Analysis Date: 5/7/2021	SeqNo: 1352252						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,570	45.6	2,278	13.95	68.4	32.8	124	1,530	2.66	30	
Dibenz(a,h)anthracene	1,660	45.6	2,278	9.895	72.4	31.4	126	1,596	3.91	30	
Benzo(g,h,i)perylene	1,320	22.8	2,278	21.95	56.9	25.3	122	1,335	1.34	30	
Surr: 2-Fluorobiphenyl	946		1,139		83.1	19	135		0		
Surr: Terphenyl-d14 (surr)	1,090		1,139		95.6	42.9	156		0		

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32227	SampType: LCS	Units: mg/Kg			Prep Date: 5/7/2021	RunNo: 67129					
Client ID: LCSS	Batch ID: 32227				Analysis Date: 5/7/2021	SeqNo: 1352553					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	24.2	5.00	25.00	0	96.7	65	135				
Surr: Toluene-d8	1.23		1.250		98.8	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.250		103	65	135				

Sample ID: MB-32227	SampType: MBLK	Units: mg/Kg			Prep Date: 5/7/2021	RunNo: 67129					
Client ID: MBLKS	Batch ID: 32227				Analysis Date: 5/7/2021	SeqNo: 1352554					
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	1.27		1.250		102	65	135				

Sample ID: 2105058-004BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 5/7/2021	RunNo: 67129					
Client ID: BATCH	Batch ID: 32227				Analysis Date: 5/7/2021	SeqNo: 1352556					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.94						0		30	
Surr: Toluene-d8	1.50		1.484		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.50		1.484		101	65	135		0		

Sample ID: 2105058-006BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 5/7/2021	RunNo: 67129					
Client ID: BATCH	Batch ID: 32227				Analysis Date: 5/7/2021	SeqNo: 1352563					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	26.7	5.61	28.06	0	95.2	65	135				
Surr: Toluene-d8	1.39		1.403		99.1	65	135				
Surr: 4-Bromofluorobenzene	1.46		1.403		104	65	135				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2105102-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67129							
Client ID: T8-S29-E11-165	Batch ID: 32227	Analysis Date: 5/10/2021	SeqNo: 1352569								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	7.44						0		30	
Gasoline Range Organics (C6-C12)	9.79	7.44						8.665	12.2	30	
Surr: Toluene-d8	1.89		1.861		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.85		1.861		99.1	65	135		0		

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12). Detection is from single peak.

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32227	SampType: LCS	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: LCSS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352509							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.801	0.0500	1.000	0	80.1	80	120				
Chloromethane	0.883	0.0800	1.000	0	88.3	80	120				
Vinyl chloride	0.939	0.0250	1.000	0	93.9	80	120				
Bromomethane	1.09	0.150	1.000	0	109	80	120				
Trichlorofluoromethane (CFC-11)	1.01	0.0500	1.000	0	101	80	120				
Chloroethane	1.05	0.120	1.000	0	105	80	120				
1,1-Dichloroethene	0.981	0.100	1.000	0	98.1	80	120				
Acetone	2.83	0.500	2.500	0	113	80	120				
Methylene chloride	1.03	0.0150	1.000	0	103	80	120				
trans-1,2-Dichloroethene	0.999	0.0300	1.000	0	99.9	80	120				
Methyl tert-butyl ether (MTBE)	0.934	0.0300	1.000	0	93.4	80	120				
1,1-Dichloroethane	0.998	0.0250	1.000	0	99.8	80	120				
cis-1,2-Dichloroethene	0.999	0.0250	1.000	0	99.9	80	120				
(MEK) 2-Butanone	2.31	0.450	2.500	0	92.4	80	120				
Chloroform	1.01	0.0250	1.000	0	101	80	120				
1,1,1-Trichloroethane (TCA)	1.01	0.0250	1.000	0	101	80	120				
1,1-Dichloropropene	1.00	0.0250	1.000	0	100	80	120				
Carbon tetrachloride	1.02	0.0750	1.000	0	102	80	120				
1,2-Dichloroethane (EDC)	0.983	0.0230	1.000	0	98.3	80	120				
Benzene	1.00	0.0200	1.000	0	100	80	120				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	80	120				
1,2-Dichloropropane	1.01	0.0200	1.000	0	101	80	120				
Bromodichloromethane	1.03	0.0250	1.000	0	103	80	120				
Dibromomethane	0.987	0.0200	1.000	0	98.7	80	120				
cis-1,3-Dichloropropene	1.02	0.0800	1.000	0	102	80	120				
Toluene	1.06	0.0300	1.000	0	106	80	120				
trans-1,3-Dichloropropylene	0.996	0.0500	1.000	0	99.6	80	120				
Methyl Isobutyl Ketone (MIBK)	2.26	0.0750	2.500	0	90.4	80	120				
1,1,2-Trichloroethane	1.01	0.0170	1.000	0	101	80	120				
1,3-Dichloropropane	0.997	0.0200	1.000	0	99.7	80	120				

Work Order: 2105102
 CLIENT: Aspect Consulting
 Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32227	SampType: LCS	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: LCSS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352509							
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	1.05	0.0200	1.000	0	105	80	120				
1,2-Dibromoethane (EDB)	0.998	0.0100	1.000	0	99.8	80	120				
methyl n-butyl ketone	2.31	0.0600	2.500	0	92.5	80	120				
Chlorobenzene	1.00	0.0250	1.000	0	100	80	120				
1,1,1,2-Tetrachloroethane	1.00	0.0200	1.000	0	100	80	120				
Ethylbenzene	1.04	0.0250	1.000	0	104	80	120				
m,p-Xylene	2.03	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	1.07	0.0300	1.000	0	107	80	120				
Bromoform	1.06	0.0250	1.000	0	106	80	120				
1,1,1,2,2-Tetrachloroethane	0.984	0.0150	1.000	0	98.4	80	120				
n-Propylbenzene	1.14	0.0300	1.000	0	114	80	120				
Bromobenzene	1.03	0.0300	1.000	0	103	80	120				
1,3,5-Trimethylbenzene	1.09	0.0250	1.000	0	109	80	120				
2-Chlorotoluene	1.06	0.0300	1.000	0	106	80	120				
4-Chlorotoluene	1.07	0.0300	1.000	0	107	80	120				
tert-Butylbenzene	1.08	0.0300	1.000	0	108	80	120				
1,2,3-Trichloropropane	0.958	0.0250	1.000	0	95.8	80	120				
1,2,4-Trichlorobenzene	0.967	0.0400	1.000	0	96.7	80	120				
sec-Butylbenzene	1.15	0.0300	1.000	0	115	80	120				
4-Isopropyltoluene	1.13	0.0300	1.000	0	113	80	120				
1,3-Dichlorobenzene	1.03	0.0350	1.000	0	103	80	120				
1,4-Dichlorobenzene	1.01	0.0300	1.000	0	101	80	120				
n-Butylbenzene	1.04	0.0400	1.000	0	104	80	120				
1,2-Dichlorobenzene	0.979	0.0300	1.000	0	97.9	80	120				
1,2-Dibromo-3-chloropropane	0.916	0.0600	1.000	0	91.6	80	120				
1,2,4-Trimethylbenzene	1.10	0.0250	1.000	0	110	80	120				
Hexachloro-1,3-butadiene	1.01	0.0500	1.000	0	101	80	120				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32227	SampType: LCS	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: LCSS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352509							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.907	0.100	1.000	0	90.7	80	120				
1,2,3-Trichlorobenzene	0.953	0.0500	1.000	0	95.3	80	120				
Surr: Dibromofluoromethane	1.37		1.250		109	81.9	113				
Surr: Toluene-d8	1.30		1.250		104	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.32		1.250		105	87.9	109				

Sample ID: MB-32227	SampType: MBLK	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: MBLKS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352510							
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									

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32227	SampType: MBLK	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: MBLKS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352510							
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									
methyl n-butyl ketone	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: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32227	SampType: MBLK	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: MBLKS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352510							
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	1.12		1.250		89.9	81.9	113				
Surr: Toluene-d8	1.25		1.250		100	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.2	87.9	109				

NOTES:

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

Sample ID: 2105058-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352512							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0594						0		30	Q
Chloromethane	ND	0.0950						0		30	Q
Vinyl chloride	ND	0.0297						0		30	
Bromomethane	ND	0.178						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0594						0		30	
Chloroethane	ND	0.143						0		30	
1,1-Dichloroethene	ND	0.119						0		30	
Acetone	ND	0.594						0		30	
Methylene chloride	ND	0.0178						0		30	

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352512							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0356						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0356						0		30	
1,1-Dichloroethane	ND	0.0297						0		30	
cis-1,2-Dichloroethene	ND	0.0297						0		30	
(MEK) 2-Butanone	ND	0.534						0		30	
Chloroform	ND	0.0297						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0297						0		30	
1,1-Dichloropropene	ND	0.0297						0		30	
Carbon tetrachloride	ND	0.0891						0		30	
1,2-Dichloroethane (EDC)	ND	0.0273						0		30	
Benzene	ND	0.0238						0		30	
Trichloroethene (TCE)	ND	0.0238						0		30	
1,2-Dichloropropane	ND	0.0238						0		30	
Bromodichloromethane	ND	0.0297						0		30	
Dibromomethane	ND	0.0238						0		30	
cis-1,3-Dichloropropene	ND	0.0950						0		30	
Toluene	ND	0.0356						0		30	
trans-1,3-Dichloropropylene	ND	0.0594						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0891						0		30	
1,1,2-Trichloroethane	ND	0.0202						0		30	
1,3-Dichloropropane	ND	0.0238						0		30	
Tetrachloroethene (PCE)	ND	0.0475						0		30	
Dibromochloromethane	ND	0.0238						0		30	
1,2-Dibromoethane (EDB)	ND	0.0119						0		30	
methyl n-butyl ketone	ND	0.0713						0		30	
Chlorobenzene	ND	0.0297						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0238						0		30	
Ethylbenzene	ND	0.0297						0		30	
m,p-Xylene	ND	0.0594						0		30	
o-Xylene	ND	0.0297						0		30	

Work Order: 2105102
 CLIENT: Aspect Consulting
 Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227	Analysis Date: 5/7/2021	SeqNo: 1352512								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Styrene	ND	0.0297						0		30	
Isopropylbenzene	ND	0.0356						0		30	
Bromoform	ND	0.0297						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0178						0		30	
n-Propylbenzene	ND	0.0356						0		30	
Bromobenzene	ND	0.0356						0		30	
1,3,5-Trimethylbenzene	ND	0.0297						0		30	
2-Chlorotoluene	ND	0.0356						0		30	
4-Chlorotoluene	ND	0.0356						0		30	
tert-Butylbenzene	ND	0.0356						0		30	
1,2,3-Trichloropropane	ND	0.0297						0		30	
1,2,4-Trichlorobenzene	ND	0.0475						0		30	
sec-Butylbenzene	ND	0.0356						0		30	
4-Isopropyltoluene	ND	0.0356						0		30	
1,3-Dichlorobenzene	ND	0.0416						0		30	
1,4-Dichlorobenzene	ND	0.0356						0		30	
n-Butylbenzene	ND	0.0475						0		30	
1,2-Dichlorobenzene	ND	0.0356						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0713						0		30	
1,2,4-Trimethylbenzene	ND	0.0297						0		30	
Hexachloro-1,3-butadiene	ND	0.0594						0		30	
Naphthalene	ND	0.119						0		30	
1,2,3-Trichlorobenzene	ND	0.0594						0		30	
Surr: Dibromofluoromethane	1.40		1.484		94.2	81.9	113		0		
Surr: Toluene-d8	1.49		1.484		100	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.46		1.484		98.4	87.9	109		0		

NOTES:

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

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352521							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.838	0.0598	1.195	0	70.1	5.08	187				
Chloromethane	0.933	0.0956	1.195	0	78.1	41.2	147				
Vinyl chloride	1.04	0.0299	1.195	0	87.2	49.9	147				
Bromomethane	1.11	0.179	1.195	0	93.2	47.1	182				
Trichlorofluoromethane (CFC-11)	1.18	0.0598	1.195	0	98.7	51.7	151				
Chloroethane	1.19	0.143	1.195	0	99.4	47.5	166				
1,1-Dichloroethene	1.18	0.120	1.195	0	99.1	61.3	144				
Acetone	3.49	0.598	2.988	0	117	50.2	174				
Methylene chloride	1.15	0.0179	1.195	0	96.5	75.3	130				
trans-1,2-Dichloroethene	1.18	0.0359	1.195	0	98.8	73.5	130				
Methyl tert-butyl ether (MTBE)	1.11	0.0359	1.195	0	93.2	73	126				
1,1-Dichloroethane	1.13	0.0299	1.195	0	94.8	71.8	135				
cis-1,2-Dichloroethene	1.18	0.0299	1.195	0	99.0	77.5	127				
(MEK) 2-Butanone	2.90	0.538	2.988	0	96.9	48.6	166				
Chloroform	1.18	0.0299	1.195	0	98.7	77.3	127				
1,1,1-Trichloroethane (TCA)	1.22	0.0299	1.195	0	102	71.3	131				
1,1-Dichloropropene	1.21	0.0299	1.195	0	101	69.8	134				
Carbon tetrachloride	1.24	0.0896	1.195	0	104	66.1	133				
1,2-Dichloroethane (EDC)	1.14	0.0275	1.195	0	95.5	73.5	128				
Benzene	1.18	0.0239	1.195	0	98.5	76.8	129				
Trichloroethene (TCE)	1.25	0.0239	1.195	0	105	70.5	140				
1,2-Dichloropropane	1.14	0.0239	1.195	0	95.2	74.6	130				
Bromodichloromethane	1.19	0.0299	1.195	0	99.4	76.2	121				
Dibromomethane	1.15	0.0239	1.195	0	96.4	78	124				
cis-1,3-Dichloropropene	1.16	0.0956	1.195	0	96.9	76	120				
Toluene	1.28	0.0359	1.195	0	107	77.8	127				
trans-1,3-Dichloropropylene	1.15	0.0598	1.195	0	96.4	73.5	121				
Methyl Isobutyl Ketone (MIBK)	2.75	0.0896	2.988	0	92.2	61	139				
1,1,2-Trichloroethane	1.19	0.0203	1.195	0	99.8	77.7	123				
1,3-Dichloropropane	1.17	0.0239	1.195	0	97.7	77.4	123				

Work Order: 2105102
 CLIENT: Aspect Consulting
 Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352521							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.32	0.0478	1.195	0	110	70.7	131				
Dibromochloromethane	1.21	0.0239	1.195	0	101	74.7	120				
1,2-Dibromoethane (EDB)	1.19	0.0120	1.195	0	99.5	76.1	124				
methyl n-butyl ketone	2.86	0.0717	2.988	0	95.6	50.9	162				
Chlorobenzene	1.24	0.0299	1.195	0	104	80.4	123				
1,1,1,2-Tetrachloroethane	1.23	0.0239	1.195	0	103	79.5	121				
Ethylbenzene	1.30	0.0299	1.195	0	109	78.7	130				
m,p-Xylene	2.53	0.0598	2.390	0.007301	106	79.3	127				
o-Xylene	1.26	0.0299	1.195	0	106	80.7	124				
Styrene	1.26	0.0299	1.195	0	105	81.9	122				
Isopropylbenzene	1.35	0.0359	1.195	0	113	75.7	132				
Bromoform	1.26	0.0299	1.195	0	106	74.3	121				
1,1,1,2,2-Tetrachloroethane	1.12	0.0179	1.195	0	93.6	60.2	136				
n-Propylbenzene	1.41	0.0359	1.195	0	118	76.4	134				
Bromobenzene	1.29	0.0359	1.195	0	108	80.3	122				
1,3,5-Trimethylbenzene	1.36	0.0299	1.195	0	114	79.5	127				
2-Chlorotoluene	1.31	0.0359	1.195	0	109	77.6	131				
4-Chlorotoluene	1.30	0.0359	1.195	0	109	80.2	126				
tert-Butylbenzene	1.37	0.0359	1.195	0	114	75.5	132				
1,2,3-Trichloropropane	1.16	0.0299	1.195	0	97.1	70.2	126				
1,2,4-Trichlorobenzene	1.20	0.0478	1.195	0	101	64.2	142				
sec-Butylbenzene	1.45	0.0359	1.195	0	121	75	133				
4-Isopropyltoluene	1.42	0.0359	1.195	0	118	74.4	133				
1,3-Dichlorobenzene	1.27	0.0418	1.195	0	107	80.7	127				
1,4-Dichlorobenzene	1.26	0.0359	1.195	0	105	81.9	124				
n-Butylbenzene	1.28	0.0478	1.195	0	107	71.5	140				
1,2-Dichlorobenzene	1.21	0.0359	1.195	0	101	83.7	122				
1,2-Dibromo-3-chloropropane	1.10	0.0717	1.195	0	92.1	64.9	130				
1,2,4-Trimethylbenzene	1.36	0.0299	1.195	0	113	79.3	127				
Hexachloro-1,3-butadiene	1.27	0.0598	1.195	0	106	59.2	149				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352521							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.14	0.120	1.195	0	95.5	44.6	171				
1,2,3-Trichlorobenzene	1.15	0.0598	1.195	0	96.6	52.6	156				
Surr: Dibromofluoromethane	1.51		1.494		101	81.9	113				
Surr: Toluene-d8	1.49		1.494		99.8	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.55		1.494		104	87.9	109				

Sample ID: 2105102-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: T8-S29-E11-165	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352527							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0744						0		30	Q
Chloromethane	ND	0.119						0		30	Q
Vinyl chloride	ND	0.0372						0		30	
Bromomethane	ND	0.223						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0744						0		30	
Chloroethane	ND	0.179						0		30	
1,1-Dichloroethene	ND	0.149						0		30	
Acetone	ND	0.744						0		30	
Methylene chloride	ND	0.0223						0		30	
trans-1,2-Dichloroethene	ND	0.0447						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0447						0		30	
1,1-Dichloroethane	ND	0.0372						0		30	
cis-1,2-Dichloroethene	ND	0.0372						0		30	
(MEK) 2-Butanone	ND	0.670						0		30	
Chloroform	ND	0.0372						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0372						0		30	
1,1-Dichloropropene	ND	0.0372						0		30	
Carbon tetrachloride	ND	0.112						0		30	
1,2-Dichloroethane (EDC)	ND	0.0342						0		30	
Benzene	ND	0.0298						0		30	

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105102-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128
Client ID: T8-S29-E11-165	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352527

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0298						0		30	
1,2-Dichloropropane	ND	0.0298						0		30	
Bromodichloromethane	ND	0.0372						0		30	
Dibromomethane	ND	0.0298						0		30	
cis-1,3-Dichloropropene	ND	0.119						0		30	
Toluene	ND	0.0447						0		30	
trans-1,3-Dichloropropylene	ND	0.0744						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.112						0		30	
1,1,2-Trichloroethane	ND	0.0253						0		30	
1,3-Dichloropropane	ND	0.0298						0		30	
Tetrachloroethene (PCE)	ND	0.0596						0		30	
Dibromochloromethane	ND	0.0298						0		30	
1,2-Dibromoethane (EDB)	ND	0.0149						0		30	
methyl n-butyl ketone	ND	0.0893						0		30	
Chlorobenzene	ND	0.0372						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0298						0		30	
Ethylbenzene	ND	0.0372						0		30	
m,p-Xylene	ND	0.0744						0		30	
o-Xylene	ND	0.0372						0		30	
Styrene	ND	0.0372						0		30	
Isopropylbenzene	ND	0.0447						0		30	
Bromoform	ND	0.0372						0		30	
1,1,1,2,2-Tetrachloroethane	ND	0.0223						0		30	
n-Propylbenzene	ND	0.0447						0		30	
Bromobenzene	ND	0.0447						0		30	
1,3,5-Trimethylbenzene	ND	0.0372						0		30	
2-Chlorotoluene	ND	0.0447						0		30	
4-Chlorotoluene	ND	0.0447						0		30	
tert-Butylbenzene	ND	0.0447						0		30	
1,2,3-Trichloropropane	ND	0.0372						0		30	

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105102-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: T8-S29-E11-165	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352527							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	ND	0.0596						0		30	
sec-Butylbenzene	ND	0.0447						0		30	
4-Isopropyltoluene	ND	0.0447						0		30	
1,3-Dichlorobenzene	ND	0.0521						0		30	
1,4-Dichlorobenzene	ND	0.0447						0		30	
n-Butylbenzene	ND	0.0596						0		30	
1,2-Dichlorobenzene	ND	0.0447						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0893						0		30	
1,2,4-Trimethylbenzene	ND	0.0372						0		30	
Hexachloro-1,3-butadiene	ND	0.0744						0		30	
Naphthalene	ND	0.149						0		30	
1,2,3-Trichlorobenzene	ND	0.0744						0		30	
Surr: Dibromofluoromethane	1.67		1.861		89.6	81.9	113		0		
Surr: Toluene-d8	1.85		1.861		99.5	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.76		1.861		94.8	87.9	109		0		

NOTES:

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

Client Name: **AC**

 Work Order Number: **2105102**

 Logged by: **Carissa True**

 Date Received: **5/7/2021 1:40:00 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	1.4

* 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: 5/7/21 Page: 1 of 1

Project Name: The Eight Redevelopment

Project No: 180587

Collected by: Baxter Gall

Location:

Report To (PM): Al Cochran, Analytical Dept

PM Email: acochran@aspectconsulting.com astep@aspectconsulting.com

Laboratory Project No (Internal): 1105102

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)	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 TB-S31-E07-165	5/7/21	0945	S	3	X	X	X	X	X	X	X	X	X				
2 TB-S29-E07-165		1000															
3 TB-S29-E11-165		1020															
4 TB-S34-E07-165		1035															
5 TB-S34-E11-165		1045															
6 TB-S32-E14-160		1105															
7 TB-TB-01		1200	A	1													No Cr, D, PAH, EPCRA metals
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) Baxter Gall Print Name Baxter Gall Date/Time 5/7/21 1340

Relinquished (Signature) [Signature] Print Name Al Cochran Date/Time 5/7/21 @ 1340



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: The Eight Redevelopment
Work Order Number: 2105102**

May 11, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 sample(s) on 5/7/2021 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
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
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:
Amelia Oates

*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*

Revision v1

CLIENT: Aspect Consulting
Project: The Eight Redevelopment
Work Order: 2105102

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105102-001	T8-S31-E04-165	05/07/2021 9:45 AM	05/07/2021 1:40 PM
2105102-002	T8-S29-E07-165	05/07/2021 10:00 AM	05/07/2021 1:40 PM
2105102-003	T8-S29-E11-165	05/07/2021 10:20 AM	05/07/2021 1:40 PM
2105102-004	T8-S34-E07-165	05/07/2021 10:35 AM	05/07/2021 1:40 PM
2105102-005	T8-S34-E11-165	05/07/2021 10:45 AM	05/07/2021 1:40 PM
2105102-006	T8-S32-E14-160	05/07/2021 11:05 AM	05/07/2021 1:40 PM
2105102-007	T8-TB-01	05/06/2021 11:42 AM	05/07/2021 1:40 PM

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

CLIENT: Aspect Consulting
Project: The Eight Redevelopment

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.

5/14/2021: Revision 1 includes sample ID corrections 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: The Eight Redevelopment
Lab ID: 2105102-001
Client Sample ID: T8-S31-E04-165

Collection Date: 5/7/2021 9:45:00 AM
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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	50.8		mg/Kg-dry	1	5/10/2021 12:59:02 AM
Heavy Oil	ND	102		mg/Kg-dry	1	5/10/2021 12:59:02 AM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	5/10/2021 12:59:02 AM
Surr: 2-Fluorobiphenyl	81.4	50 - 150		%Rec	1	5/10/2021 12:59:02 AM
Surr: o-Terphenyl	82.4	50 - 150		%Rec	1	5/10/2021 12:59:02 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
2-Methylnaphthalene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
1-Methylnaphthalene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Acenaphthylene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Acenaphthene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Fluorene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Phenanthrene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Anthracene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Fluoranthene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Pyrene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benz(a)anthracene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Chrysene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benzo(b)fluoranthene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benzo(k)fluoranthene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benzo(a)pyrene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Indeno(1,2,3-cd)pyrene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Dibenz(a,h)anthracene	ND	41.6		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Benzo(g,h,i)perylene	ND	20.8		µg/Kg-dry	1	5/7/2021 11:58:34 PM
Surr: 2-Fluorobiphenyl	73.9	19 - 135		%Rec	1	5/7/2021 11:58:34 PM
Surr: Terphenyl-d14 (surr)	89.4	42.9 - 156		%Rec	1	5/7/2021 11:58:34 PM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	8.35		mg/Kg-dry	1	5/10/2021 8:22:19 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/10/2021 8:22:19 AM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	5/10/2021 8:22:19 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0835	Q	mg/Kg-dry	1	5/7/2021 8:51:38 PM
Chloromethane	ND	0.134	Q	mg/Kg-dry	1	5/7/2021 8:51:38 PM



Analytical Report

Work Order: 2105102
Date Reported: 5/11/2021

Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-001
Client Sample ID: T8-S31-E04-165

Collection Date: 5/7/2021 9:45:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Vinyl chloride	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Bromomethane	ND	0.251		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Trichlorofluoromethane (CFC-11)	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Chloroethane	ND	0.200		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1-Dichloroethene	ND	0.167		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Acetone	ND	0.835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Methylene chloride	ND	0.0251		mg/Kg-dry	1	5/7/2021 8:51:38 PM
trans-1,2-Dichloroethene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Methyl tert-butyl ether (MTBE)	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1-Dichloroethane	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
cis-1,2-Dichloroethene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
(MEK) 2-Butanone	ND	0.752		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Chloroform	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1,1-Trichloroethane (TCA)	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1-Dichloropropene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Carbon tetrachloride	ND	0.125		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dichloroethane (EDC)	ND	0.0384		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Benzene	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Trichloroethene (TCE)	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dichloropropane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Bromodichloromethane	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Dibromomethane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
cis-1,3-Dichloropropene	ND	0.134		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Toluene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
trans-1,3-Dichloropropylene	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.125		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1,2-Trichloroethane	ND	0.0284		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,3-Dichloropropane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Tetrachloroethene (PCE)	ND	0.0668		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Dibromochloromethane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dibromoethane (EDB)	ND	0.0167		mg/Kg-dry	1	5/7/2021 8:51:38 PM
methyl n-butyl ketone	ND	0.100		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Chlorobenzene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1,1,2-Tetrachloroethane	ND	0.0334		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Ethylbenzene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
m,p-Xylene	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
o-Xylene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Styrene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Isopropylbenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-001
Client Sample ID: T8-S31-E04-165

Collection Date: 5/7/2021 9:45:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,1,2,2-Tetrachloroethane	ND	0.0251		mg/Kg-dry	1	5/7/2021 8:51:38 PM
n-Propylbenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Bromobenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,3,5-Trimethylbenzene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
2-Chlorotoluene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
4-Chlorotoluene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
tert-Butylbenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2,3-Trichloropropane	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2,4-Trichlorobenzene	ND	0.0668		mg/Kg-dry	1	5/7/2021 8:51:38 PM
sec-Butylbenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
4-Isopropyltoluene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,3-Dichlorobenzene	ND	0.0585		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,4-Dichlorobenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
n-Butylbenzene	ND	0.0668		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dichlorobenzene	ND	0.0501		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2-Dibromo-3-chloropropane	ND	0.100		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2,4-Trimethylbenzene	ND	0.0418		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Hexachloro-1,3-butadiene	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Naphthalene	ND	0.167		mg/Kg-dry	1	5/7/2021 8:51:38 PM
1,2,3-Trichlorobenzene	ND	0.0835		mg/Kg-dry	1	5/7/2021 8:51:38 PM
Surr: Dibromofluoromethane	91.2	81.9 - 113		%Rec	1	5/7/2021 8:51:38 PM
Surr: Toluene-d8	97.3	82.7 - 115		%Rec	1	5/7/2021 8:51:38 PM
Surr: 1-Bromo-4-fluorobenzene	97.8	87.9 - 109		%Rec	1	5/7/2021 8:51:38 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.260		mg/Kg-dry	1	5/10/2021 1:23:00 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	3.25	0.104		mg/Kg-dry	1	5/11/2021 1:50:58 PM
Barium	54.7	0.521		mg/Kg-dry	1	5/11/2021 1:50:58 PM
Cadmium	ND	0.174		mg/Kg-dry	1	5/11/2021 1:50:58 PM
Chromium	33.0	0.347	Q	mg/Kg-dry	1	5/11/2021 1:50:58 PM
Lead	2.52	0.174		mg/Kg-dry	1	5/11/2021 1:50:58 PM
Selenium	1.25	0.174	Q	mg/Kg-dry	1	5/11/2021 1:50:58 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-001
Client Sample ID: T8-S31-E04-165

Collection Date: 5/7/2021 9:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Silver	ND	0.130		mg/Kg-dry	1	5/11/2021 1:50:58 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122 Analyst: KJ

Percent Moisture	9.32			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-002
Client Sample ID: T8-S29-E07-165

Collection Date: 5/7/2021 10:00:00 AM

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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	5/10/2021 1:24:52 AM
Heavy Oil	ND	102		mg/Kg-dry	1	5/10/2021 1:24:52 AM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	5/10/2021 1:24:52 AM
Surr: 2-Fluorobiphenyl	71.5	50 - 150		%Rec	1	5/10/2021 1:24:52 AM
Surr: o-Terphenyl	79.8	50 - 150		%Rec	1	5/10/2021 1:24:52 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
2-Methylnaphthalene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
1-Methylnaphthalene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Acenaphthylene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Acenaphthene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Fluorene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Phenanthrene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Anthracene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Fluoranthene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Pyrene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benz(a)anthracene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Chrysene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benzo(b)fluoranthene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benzo(k)fluoranthene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benzo(a)pyrene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Indeno(1,2,3-cd)pyrene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Dibenz(a,h)anthracene	ND	44.3		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Benzo(g,h,i)perylene	ND	22.2		µg/Kg-dry	1	5/8/2021 12:19:45 AM
Surr: 2-Fluorobiphenyl	78.3	19 - 135		%Rec	1	5/8/2021 12:19:45 AM
Surr: Terphenyl-d14 (surr)	95.3	42.9 - 156		%Rec	1	5/8/2021 12:19:45 AM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	5.05		mg/Kg-dry	1	5/10/2021 8:52:41 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/10/2021 8:52:41 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	5/10/2021 8:52:41 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0505	Q	mg/Kg-dry	1	5/7/2021 9:21:49 PM
Chloromethane	ND	0.0808	Q	mg/Kg-dry	1	5/7/2021 9:21:49 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-002
Client Sample ID: T8-S29-E07-165

Collection Date: 5/7/2021 10:00:00 AM

Matrix: Soil

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

Batch ID: 32227

Analyst: CR

Vinyl chloride	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Bromomethane	ND	0.151		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Trichlorofluoromethane (CFC-11)	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Chloroethane	ND	0.121		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1-Dichloroethene	ND	0.101		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Acetone	ND	0.505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Methylene chloride	ND	0.0151		mg/Kg-dry	1	5/7/2021 9:21:49 PM
trans-1,2-Dichloroethene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Methyl tert-butyl ether (MTBE)	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1-Dichloroethane	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
cis-1,2-Dichloroethene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
(MEK) 2-Butanone	ND	0.454		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Chloroform	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1,1-Trichloroethane (TCA)	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1-Dichloropropene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Carbon tetrachloride	ND	0.0757		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dichloroethane (EDC)	ND	0.0232		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Benzene	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Trichloroethene (TCE)	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dichloropropane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Bromodichloromethane	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Dibromomethane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
cis-1,3-Dichloropropene	ND	0.0808		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Toluene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
trans-1,3-Dichloropropylene	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0757		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1,2-Trichloroethane	ND	0.0172		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,3-Dichloropropane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Tetrachloroethene (PCE)	ND	0.0404		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Dibromochloromethane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dibromoethane (EDB)	ND	0.0101		mg/Kg-dry	1	5/7/2021 9:21:49 PM
methyl n-butyl ketone	ND	0.0606		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Chlorobenzene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1,1,2-Tetrachloroethane	ND	0.0202		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Ethylbenzene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
m,p-Xylene	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
o-Xylene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Styrene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Isopropylbenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM



Analytical Report

Work Order: 2105102
Date Reported: 5/11/2021

Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-002
Client Sample ID: T8-S29-E07-165

Collection Date: 5/7/2021 10:00:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,1,2,2-Tetrachloroethane	ND	0.0151		mg/Kg-dry	1	5/7/2021 9:21:49 PM
n-Propylbenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Bromobenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,3,5-Trimethylbenzene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
2-Chlorotoluene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
4-Chlorotoluene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
tert-Butylbenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2,3-Trichloropropane	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2,4-Trichlorobenzene	ND	0.0404		mg/Kg-dry	1	5/7/2021 9:21:49 PM
sec-Butylbenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
4-Isopropyltoluene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,3-Dichlorobenzene	ND	0.0353		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,4-Dichlorobenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
n-Butylbenzene	ND	0.0404		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dichlorobenzene	ND	0.0303		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2-Dibromo-3-chloropropane	ND	0.0606		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2,4-Trimethylbenzene	ND	0.0252		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Hexachloro-1,3-butadiene	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Naphthalene	ND	0.101		mg/Kg-dry	1	5/7/2021 9:21:49 PM
1,2,3-Trichlorobenzene	ND	0.0505		mg/Kg-dry	1	5/7/2021 9:21:49 PM
Surr: Dibromofluoromethane	86.3	81.9 - 113		%Rec	1	5/7/2021 9:21:49 PM
Surr: Toluene-d8	98.1	82.7 - 115		%Rec	1	5/7/2021 9:21:49 PM
Surr: 1-Bromo-4-fluorobenzene	97.1	87.9 - 109		%Rec	1	5/7/2021 9:21:49 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.258		mg/Kg-dry	1	5/10/2021 1:24:38 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	2.22	0.101		mg/Kg-dry	1	5/11/2021 1:56:33 PM
Barium	56.8	0.507		mg/Kg-dry	1	5/11/2021 1:56:33 PM
Cadmium	ND	0.169		mg/Kg-dry	1	5/11/2021 1:56:33 PM
Chromium	25.6	0.338	Q	mg/Kg-dry	1	5/11/2021 1:56:33 PM
Lead	1.93	0.169		mg/Kg-dry	1	5/11/2021 1:56:33 PM
Selenium	1.01	0.169	Q	mg/Kg-dry	1	5/11/2021 1:56:33 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 10:00:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-002

Matrix: Soil

Client Sample ID: T8-S29-E07-165

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Silver	ND	0.127		mg/Kg-dry	1	5/11/2021 1:56:33 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122 Analyst: KJ

Percent Moisture	10.4			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-003
Client Sample ID: T8-S29-E11-165

Collection Date: 5/7/2021 10:20:00 AM

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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	52.5		mg/Kg-dry	1	5/10/2021 1:37:46 AM
Heavy Oil	ND	105		mg/Kg-dry	1	5/10/2021 1:37:46 AM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	5/10/2021 1:37:46 AM
Surr: 2-Fluorobiphenyl	100	50 - 150		%Rec	1	5/10/2021 1:37:46 AM
Surr: o-Terphenyl	110	50 - 150		%Rec	1	5/10/2021 1:37:46 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
2-Methylnaphthalene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
1-Methylnaphthalene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Acenaphthylene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Acenaphthene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Fluorene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Phenanthrene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Anthracene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Fluoranthene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Pyrene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benz(a)anthracene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Chrysene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benzo(b)fluoranthene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benzo(k)fluoranthene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benzo(a)pyrene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Indeno(1,2,3-cd)pyrene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Dibenz(a,h)anthracene	ND	38.4		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Benzo(g,h,i)perylene	ND	19.2		µg/Kg-dry	1	5/8/2021 12:40:58 AM
Surr: 2-Fluorobiphenyl	78.3	19 - 135		%Rec	1	5/8/2021 12:40:58 AM
Surr: Terphenyl-d14 (surr)	94.4	42.9 - 156		%Rec	1	5/8/2021 12:40:58 AM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	7.44		mg/Kg-dry	1	5/10/2021 9:23:03 AM
Gasoline Range Organics (C6-C12)	8.67	7.44		mg/Kg-dry	1	5/10/2021 9:23:03 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	5/10/2021 9:23:03 AM
Surr: 4-Bromofluorobenzene	98.2	65 - 135		%Rec	1	5/10/2021 9:23:03 AM

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12). Detection is from single peak.



Client: Aspect Consulting

Collection Date: 5/7/2021 10:20:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-003

Matrix: Soil

Client Sample ID: T8-S29-E11-165

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

Batch ID: 32227

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0744	Q	mg/Kg-dry	1	5/7/2021 9:52:11 PM
Chloromethane	ND	0.119	Q	mg/Kg-dry	1	5/7/2021 9:52:11 PM
Vinyl chloride	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Bromomethane	ND	0.223		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Trichlorofluoromethane (CFC-11)	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Chloroethane	ND	0.179		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1-Dichloroethene	ND	0.149		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Acetone	ND	0.744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Methylene chloride	ND	0.0223		mg/Kg-dry	1	5/7/2021 9:52:11 PM
trans-1,2-Dichloroethene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Methyl tert-butyl ether (MTBE)	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1-Dichloroethane	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
cis-1,2-Dichloroethene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
(MEK) 2-Butanone	ND	0.670		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Chloroform	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1,1-Trichloroethane (TCA)	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1-Dichloropropene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Carbon tetrachloride	ND	0.112		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dichloroethane (EDC)	ND	0.0342		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Benzene	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Trichloroethene (TCE)	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dichloropropane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Bromodichloromethane	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Dibromomethane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
cis-1,3-Dichloropropene	ND	0.119		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Toluene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
trans-1,3-Dichloropropylene	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.112		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1,2-Trichloroethane	ND	0.0253		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,3-Dichloropropane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Tetrachloroethene (PCE)	ND	0.0596		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Dibromochloromethane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dibromoethane (EDB)	ND	0.0149		mg/Kg-dry	1	5/7/2021 9:52:11 PM
methyl n-butyl ketone	ND	0.0893		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Chlorobenzene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1,1,2-Tetrachloroethane	ND	0.0298		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Ethylbenzene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
m,p-Xylene	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
o-Xylene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-003
Client Sample ID: T8-S29-E11-165

Collection Date: 5/7/2021 10:20:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Styrene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Isopropylbenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Bromoform	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,1,2,2-Tetrachloroethane	ND	0.0223		mg/Kg-dry	1	5/7/2021 9:52:11 PM
n-Propylbenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Bromobenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,3,5-Trimethylbenzene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
2-Chlorotoluene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
4-Chlorotoluene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
tert-Butylbenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2,3-Trichloropropane	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2,4-Trichlorobenzene	ND	0.0596		mg/Kg-dry	1	5/7/2021 9:52:11 PM
sec-Butylbenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
4-Isopropyltoluene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,3-Dichlorobenzene	ND	0.0521		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,4-Dichlorobenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
n-Butylbenzene	ND	0.0596		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dichlorobenzene	ND	0.0447		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2-Dibromo-3-chloropropane	ND	0.0893		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2,4-Trimethylbenzene	ND	0.0372		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Hexachloro-1,3-butadiene	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Naphthalene	ND	0.149		mg/Kg-dry	1	5/7/2021 9:52:11 PM
1,2,3-Trichlorobenzene	ND	0.0744		mg/Kg-dry	1	5/7/2021 9:52:11 PM
Surr: Dibromofluoromethane	91.4	81.9 - 113		%Rec	1	5/7/2021 9:52:11 PM
Surr: Toluene-d8	98.7	82.7 - 115		%Rec	1	5/7/2021 9:52:11 PM
Surr: 1-Bromo-4-fluorobenzene	95.9	87.9 - 109		%Rec	1	5/7/2021 9:52:11 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.261		mg/Kg-dry	1	5/10/2021 1:26:00 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	2.29	0.0979		mg/Kg-dry	1	5/11/2021 2:02:07 PM
Barium	63.9	0.489		mg/Kg-dry	1	5/11/2021 2:02:07 PM
Cadmium	ND	0.163		mg/Kg-dry	1	5/11/2021 2:02:07 PM
Chromium	23.2	0.326	Q	mg/Kg-dry	1	5/11/2021 2:02:07 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-003
Client Sample ID: T8-S29-E11-165

Collection Date: 5/7/2021 10:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Lead	1.91	0.163		mg/Kg-dry	1	5/11/2021 2:02:07 PM
Selenium	1.30	0.163	Q	mg/Kg-dry	1	5/11/2021 2:02:07 PM
Silver	ND	0.122		mg/Kg-dry	1	5/11/2021 2:02:07 PM

NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122 Analyst: KJ

Percent Moisture	7.80			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-004
Client Sample ID: T8-S34-E07-165

Collection Date: 5/7/2021 10:35:00 AM

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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	47.3		mg/Kg-dry	1	5/10/2021 1:50:43 AM
Heavy Oil	ND	94.7		mg/Kg-dry	1	5/10/2021 1:50:43 AM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	5/10/2021 1:50:43 AM
Surr: 2-Fluorobiphenyl	69.2	50 - 150		%Rec	1	5/10/2021 1:50:43 AM
Surr: o-Terphenyl	75.2	50 - 150		%Rec	1	5/10/2021 1:50:43 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
2-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
1-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Acenaphthylene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Acenaphthene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Fluorene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Phenanthrene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Anthracene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Fluoranthene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Pyrene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benz(a)anthracene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Chrysene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benzo(b)fluoranthene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benzo(k)fluoranthene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benzo(a)pyrene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Indeno(1,2,3-cd)pyrene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Dibenz(a,h)anthracene	ND	42.9		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Benzo(g,h,i)perylene	ND	21.5		µg/Kg-dry	1	5/10/2021 11:39:00 AM
Surr: 2-Fluorobiphenyl	77.5	19 - 135		%Rec	1	5/10/2021 11:39:00 AM
Surr: Terphenyl-d14 (surr)	93.0	42.9 - 156		%Rec	1	5/10/2021 11:39:00 AM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	4.56		mg/Kg-dry	1	5/10/2021 10:23:47 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/10/2021 10:23:47 AM
Surr: 4-Bromofluorobenzene	97.7	65 - 135		%Rec	1	5/10/2021 10:23:47 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0456	Q	mg/Kg-dry	1	5/7/2021 10:52:38 PM
Chloromethane	ND	0.0729	Q	mg/Kg-dry	1	5/7/2021 10:52:38 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 10:35:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-004

Matrix: Soil

Client Sample ID: T8-S34-E07-165

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

Batch ID: 32227

Analyst: CR

Vinyl chloride	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Bromomethane	ND	0.137		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Trichlorofluoromethane (CFC-11)	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Chloroethane	ND	0.109		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1-Dichloroethene	ND	0.0912		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Acetone	ND	0.456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Methylene chloride	ND	0.0137		mg/Kg-dry	1	5/7/2021 10:52:38 PM
trans-1,2-Dichloroethene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Methyl tert-butyl ether (MTBE)	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1-Dichloroethane	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
cis-1,2-Dichloroethene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
(MEK) 2-Butanone	ND	0.410		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Chloroform	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1,1-Trichloroethane (TCA)	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1-Dichloropropene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Carbon tetrachloride	ND	0.0684		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dichloroethane (EDC)	ND	0.0210		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Benzene	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Trichloroethene (TCE)	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dichloropropane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Bromodichloromethane	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Dibromomethane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
cis-1,3-Dichloropropene	ND	0.0729		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Toluene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
trans-1,3-Dichloropropylene	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0684		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1,2-Trichloroethane	ND	0.0155		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,3-Dichloropropane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Tetrachloroethene (PCE)	ND	0.0365		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Dibromochloromethane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dibromoethane (EDB)	ND	0.00912		mg/Kg-dry	1	5/7/2021 10:52:38 PM
methyl n-butyl ketone	ND	0.0547		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Chlorobenzene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1,1,2-Tetrachloroethane	ND	0.0182		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Ethylbenzene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
m,p-Xylene	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
o-Xylene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Styrene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Isopropylbenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-004
Client Sample ID: T8-S34-E07-165

Collection Date: 5/7/2021 10:35:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,1,2,2-Tetrachloroethane	ND	0.0137		mg/Kg-dry	1	5/7/2021 10:52:38 PM
n-Propylbenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Bromobenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,3,5-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
2-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
4-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
tert-Butylbenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2,3-Trichloropropane	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2,4-Trichlorobenzene	ND	0.0365		mg/Kg-dry	1	5/7/2021 10:52:38 PM
sec-Butylbenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
4-Isopropyltoluene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,3-Dichlorobenzene	ND	0.0319		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,4-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
n-Butylbenzene	ND	0.0365		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2-Dibromo-3-chloropropane	ND	0.0547		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2,4-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Hexachloro-1,3-butadiene	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Naphthalene	ND	0.0912		mg/Kg-dry	1	5/7/2021 10:52:38 PM
1,2,3-Trichlorobenzene	ND	0.0456		mg/Kg-dry	1	5/7/2021 10:52:38 PM
Surr: Dibromofluoromethane	90.4	81.9 - 113		%Rec	1	5/7/2021 10:52:38 PM
Surr: Toluene-d8	99.3	82.7 - 115		%Rec	1	5/7/2021 10:52:38 PM
Surr: 1-Bromo-4-fluorobenzene	97.2	87.9 - 109		%Rec	1	5/7/2021 10:52:38 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.268		mg/Kg-dry	1	5/10/2021 1:27:50 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	2.82	0.104		mg/Kg-dry	1	5/11/2021 2:18:51 PM
Barium	64.6	0.519	Q	mg/Kg-dry	1	5/11/2021 2:18:51 PM
Cadmium	ND	0.173		mg/Kg-dry	1	5/11/2021 2:18:51 PM
Chromium	27.4	0.346	Q	mg/Kg-dry	1	5/11/2021 2:18:51 PM
Lead	2.09	0.173		mg/Kg-dry	1	5/11/2021 2:18:51 PM
Selenium	1.57	0.173	Q	mg/Kg-dry	1	5/11/2021 2:18:51 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-004
Client Sample ID: T8-S34-E07-165

Collection Date: 5/7/2021 10:35:00 AM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Silver	ND	0.130		mg/Kg-dry	1	5/11/2021 2:18:51 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122 Analyst: KJ

Percent Moisture	10.3			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-005
Client Sample ID: T8-S34-E11-165

Collection Date: 5/7/2021 10:45:00 AM

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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	46.5		mg/Kg-dry	1	5/10/2021 2:03:33 AM
Heavy Oil	ND	93.0		mg/Kg-dry	1	5/10/2021 2:03:33 AM
Total Petroleum Hydrocarbons	ND	140		mg/Kg-dry	1	5/10/2021 2:03:33 AM
Surr: 2-Fluorobiphenyl	111	50 - 150		%Rec	1	5/10/2021 2:03:33 AM
Surr: o-Terphenyl	114	50 - 150		%Rec	1	5/10/2021 2:03:33 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
2-Methylnaphthalene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
1-Methylnaphthalene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Acenaphthylene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Acenaphthene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Fluorene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Phenanthrene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Anthracene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Fluoranthene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Pyrene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benz(a)anthracene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Chrysene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benzo(b)fluoranthene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benzo(k)fluoranthene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benzo(a)pyrene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Indeno(1,2,3-cd)pyrene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Dibenz(a,h)anthracene	ND	40.1		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Benzo(g,h,i)perylene	ND	20.0		µg/Kg-dry	1	5/8/2021 1:23:11 AM
Surr: 2-Fluorobiphenyl	78.3	19 - 135		%Rec	1	5/8/2021 1:23:11 AM
Surr: Terphenyl-d14 (surr)	94.7	42.9 - 156		%Rec	1	5/8/2021 1:23:11 AM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	6.37		mg/Kg-dry	1	5/10/2021 10:54:04 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/10/2021 10:54:04 AM
Surr: 4-Bromofluorobenzene	97.8	65 - 135		%Rec	1	5/10/2021 10:54:04 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0637	Q	mg/Kg-dry	1	5/7/2021 11:23:01 PM
Chloromethane	ND	0.102	Q	mg/Kg-dry	1	5/7/2021 11:23:01 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 10:45:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-005

Matrix: Soil

Client Sample ID: T8-S34-E11-165

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

Batch ID: 32227

Analyst: CR

Vinyl chloride	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Bromomethane	ND	0.191		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Trichlorofluoromethane (CFC-11)	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Chloroethane	ND	0.153		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1-Dichloroethene	ND	0.127		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Acetone	ND	0.637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Methylene chloride	ND	0.0191		mg/Kg-dry	1	5/7/2021 11:23:01 PM
trans-1,2-Dichloroethene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Methyl tert-butyl ether (MTBE)	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1-Dichloroethane	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
cis-1,2-Dichloroethene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
(MEK) 2-Butanone	ND	0.573		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Chloroform	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1,1-Trichloroethane (TCA)	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1-Dichloropropene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Carbon tetrachloride	ND	0.0955		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dichloroethane (EDC)	ND	0.0293		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Benzene	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Trichloroethene (TCE)	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dichloropropane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Bromodichloromethane	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Dibromomethane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
cis-1,3-Dichloropropene	ND	0.102		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Toluene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
trans-1,3-Dichloropropylene	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0955		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1,2-Trichloroethane	ND	0.0216		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,3-Dichloropropane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Tetrachloroethene (PCE)	ND	0.0509		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Dibromochloromethane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dibromoethane (EDB)	ND	0.0127		mg/Kg-dry	1	5/7/2021 11:23:01 PM
methyl n-butyl ketone	ND	0.0764		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Chlorobenzene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1,1,2-Tetrachloroethane	ND	0.0255		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Ethylbenzene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
m,p-Xylene	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
o-Xylene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Styrene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Isopropylbenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-005
Client Sample ID: T8-S34-E11-165

Collection Date: 5/7/2021 10:45:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,1,2,2-Tetrachloroethane	ND	0.0191		mg/Kg-dry	1	5/7/2021 11:23:01 PM
n-Propylbenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Bromobenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,3,5-Trimethylbenzene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
2-Chlorotoluene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
4-Chlorotoluene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
tert-Butylbenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2,3-Trichloropropane	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2,4-Trichlorobenzene	ND	0.0509		mg/Kg-dry	1	5/7/2021 11:23:01 PM
sec-Butylbenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
4-Isopropyltoluene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,3-Dichlorobenzene	ND	0.0446		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,4-Dichlorobenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
n-Butylbenzene	ND	0.0509		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dichlorobenzene	ND	0.0382		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2-Dibromo-3-chloropropane	ND	0.0764		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2,4-Trimethylbenzene	ND	0.0318		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Hexachloro-1,3-butadiene	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Naphthalene	ND	0.127		mg/Kg-dry	1	5/7/2021 11:23:01 PM
1,2,3-Trichlorobenzene	ND	0.0637		mg/Kg-dry	1	5/7/2021 11:23:01 PM
Surr: Dibromofluoromethane	90.2	81.9 - 113		%Rec	1	5/7/2021 11:23:01 PM
Surr: Toluene-d8	99.2	82.7 - 115		%Rec	1	5/7/2021 11:23:01 PM
Surr: 1-Bromo-4-fluorobenzene	96.0	87.9 - 109		%Rec	1	5/7/2021 11:23:01 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.270		mg/Kg-dry	1	5/10/2021 1:29:27 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	3.12	0.101		mg/Kg-dry	1	5/11/2021 2:24:25 PM
Barium	59.9	0.504	Q	mg/Kg-dry	1	5/11/2021 2:24:25 PM
Cadmium	ND	0.168		mg/Kg-dry	1	5/11/2021 2:24:25 PM
Chromium	28.3	0.336	Q	mg/Kg-dry	1	5/11/2021 2:24:25 PM
Lead	2.00	0.168		mg/Kg-dry	1	5/11/2021 2:24:25 PM
Selenium	2.22	0.168	Q	mg/Kg-dry	1	5/11/2021 2:24:25 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-005
Client Sample ID: T8-S34-E11-165

Collection Date: 5/7/2021 10:45:00 AM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Silver	ND	0.126		mg/Kg-dry	1	5/11/2021 2:24:25 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122 Analyst: KJ

Percent Moisture	9.13			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-006
Client Sample ID: T8-S32-E14-160

Collection Date: 5/7/2021 11:05:00 AM

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: 32232 Analyst: MM

Diesel (Fuel Oil)	ND	51.8		mg/Kg-dry	1	5/10/2021 2:16:34 AM
Heavy Oil	ND	104		mg/Kg-dry	1	5/10/2021 2:16:34 AM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	5/10/2021 2:16:34 AM
Surr: 2-Fluorobiphenyl	76.1	50 - 150		%Rec	1	5/10/2021 2:16:34 AM
Surr: o-Terphenyl	83.4	50 - 150		%Rec	1	5/10/2021 2:16:34 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32233 Analyst: IH

Naphthalene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
2-Methylnaphthalene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
1-Methylnaphthalene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Acenaphthylene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Acenaphthene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Fluorene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Phenanthrene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Anthracene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Fluoranthene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Pyrene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benz(a)anthracene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Chrysene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benzo(b)fluoranthene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benzo(k)fluoranthene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benzo(a)pyrene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Indeno(1,2,3-cd)pyrene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Dibenz(a,h)anthracene	ND	41.1		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Benzo(g,h,i)perylene	ND	20.6		µg/Kg-dry	1	5/8/2021 1:44:23 AM
Surr: 2-Fluorobiphenyl	78.4	19 - 135		%Rec	1	5/8/2021 1:44:23 AM
Surr: Terphenyl-d14 (surr)	93.3	42.9 - 156		%Rec	1	5/8/2021 1:44:23 AM

Gasoline by NWTPH-Gx

Batch ID: 32227 Analyst: CR

Gasoline	ND	4.67		mg/Kg-dry	1	5/10/2021 11:24:30 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/10/2021 11:24:30 AM
Surr: 4-Bromofluorobenzene	98.1	65 - 135		%Rec	1	5/10/2021 11:24:30 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32227 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0467	Q	µg/L-dry	1	5/7/2021 11:53:15 PM
Chloromethane	ND	0.0748	Q	µg/L-dry	1	5/7/2021 11:53:15 PM



Analytical Report

Work Order: 2105102
Date Reported: 5/11/2021

Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-006
Client Sample ID: T8-S32-E14-160

Collection Date: 5/7/2021 11:05:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Vinyl chloride	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Bromomethane	ND	0.140		µg/L-dry	1	5/7/2021 11:53:15 PM
Trichlorofluoromethane (CFC-11)	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
Chloroethane	ND	0.112		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1-Dichloroethene	ND	0.0934		µg/L-dry	1	5/7/2021 11:53:15 PM
Acetone	ND	0.467		µg/L-dry	1	5/7/2021 11:53:15 PM
Methylene chloride	ND	0.0140		µg/L-dry	1	5/7/2021 11:53:15 PM
trans-1,2-Dichloroethene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
Methyl tert-butyl ether (MTBE)	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1-Dichloroethane	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
cis-1,2-Dichloroethene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
(MEK) 2-Butanone	ND	0.420		µg/L-dry	1	5/7/2021 11:53:15 PM
Chloroform	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1,1-Trichloroethane (TCA)	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1-Dichloropropene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Carbon tetrachloride	ND	0.0701		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dichloroethane (EDC)	ND	0.0215		µg/L-dry	1	5/7/2021 11:53:15 PM
Benzene	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
Trichloroethene (TCE)	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dichloropropane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
Bromodichloromethane	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Dibromomethane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
cis-1,3-Dichloropropene	ND	0.0748		µg/L-dry	1	5/7/2021 11:53:15 PM
Toluene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
trans-1,3-Dichloropropylene	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0701		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1,2-Trichloroethane	ND	0.0159		µg/L-dry	1	5/7/2021 11:53:15 PM
1,3-Dichloropropane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
Tetrachloroethene (PCE)	ND	0.0374		µg/L-dry	1	5/7/2021 11:53:15 PM
Dibromochloromethane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dibromoethane (EDB)	ND	0.00934		µg/L-dry	1	5/7/2021 11:53:15 PM
methyl n-butyl ketone	ND	0.0561		µg/L-dry	1	5/7/2021 11:53:15 PM
Chlorobenzene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1,1,2-Tetrachloroethane	ND	0.0187		µg/L-dry	1	5/7/2021 11:53:15 PM
Ethylbenzene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
m,p-Xylene	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
o-Xylene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Styrene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Isopropylbenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-006
Client Sample ID: T8-S32-E14-160

Collection Date: 5/7/2021 11:05:00 AM

Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Bromoform	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,1,2,2-Tetrachloroethane	ND	0.0140		µg/L-dry	1	5/7/2021 11:53:15 PM
n-Propylbenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
Bromobenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,3,5-Trimethylbenzene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
2-Chlorotoluene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
4-Chlorotoluene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
tert-Butylbenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2,3-Trichloropropane	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2,4-Trichlorobenzene	ND	0.0374		µg/L-dry	1	5/7/2021 11:53:15 PM
sec-Butylbenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
4-Isopropyltoluene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,3-Dichlorobenzene	ND	0.0327		µg/L-dry	1	5/7/2021 11:53:15 PM
1,4-Dichlorobenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
n-Butylbenzene	ND	0.0374		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dichlorobenzene	ND	0.0280		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2-Dibromo-3-chloropropane	ND	0.0561		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2,4-Trimethylbenzene	ND	0.0234		µg/L-dry	1	5/7/2021 11:53:15 PM
Hexachloro-1,3-butadiene	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
Naphthalene	ND	0.0934		µg/L-dry	1	5/7/2021 11:53:15 PM
1,2,3-Trichlorobenzene	ND	0.0467		µg/L-dry	1	5/7/2021 11:53:15 PM
Surr: Dibromofluoromethane	91.5	81.9 - 113		%Rec	1	5/7/2021 11:53:15 PM
Surr: Toluene-d8	101	82.7 - 115		%Rec	1	5/7/2021 11:53:15 PM
Surr: 1-Bromo-4-fluorobenzene	95.8	87.9 - 109		%Rec	1	5/7/2021 11:53:15 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32244 Analyst: LB

Mercury	ND	0.275		mg/Kg-dry	1	5/10/2021 1:31:10 PM
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Total Metals by EPA Method 6020B

Batch ID: 32260 Analyst: EH

Arsenic	2.47	0.103		mg/Kg-dry	1	5/11/2021 1:23:08 PM
Barium	51.4	0.517		mg/Kg-dry	1	5/11/2021 1:23:08 PM
Cadmium	ND	0.172		mg/Kg-dry	1	5/11/2021 1:23:08 PM
Chromium	28.9	0.345	Q	mg/Kg-dry	1	5/11/2021 1:23:08 PM
Lead	1.87	0.172		mg/Kg-dry	1	5/11/2021 1:23:08 PM
Selenium	1.06	0.172	Q	mg/Kg-dry	1	5/11/2021 1:23:08 PM



Client: Aspect Consulting

Collection Date: 5/7/2021 11:05:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-006

Matrix: Soil

Client Sample ID: T8-S32-E14-160

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32260

Analyst: EH

Silver	ND	0.129		mg/Kg-dry	1	5/11/2021 1:23:08 PM
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NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R67122

Analyst: KJ

Percent Moisture	10.7			wt%	1	5/10/2021 10:29:14 AM
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Client: Aspect Consulting

Collection Date: 5/6/2021 11:42:00 AM

Project: The Eight Redevelopment

Lab ID: 2105102-007

Matrix: Soil

Client Sample ID: T8-TB-01

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

Batch ID: 32227

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500	Q	mg/Kg	1	5/7/2021 8:21:16 PM
Chloromethane	ND	0.0800	Q	mg/Kg	1	5/7/2021 8:21:16 PM
Vinyl chloride	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Bromomethane	ND	0.150		mg/Kg	1	5/7/2021 8:21:16 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
Chloroethane	ND	0.120		mg/Kg	1	5/7/2021 8:21:16 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	5/7/2021 8:21:16 PM
Acetone	ND	0.500		mg/Kg	1	5/7/2021 8:21:16 PM
Methylene chloride	ND	0.0150		mg/Kg	1	5/7/2021 8:21:16 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	5/7/2021 8:21:16 PM
Chloroform	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	5/7/2021 8:21:16 PM
Benzene	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
Bromodichloromethane	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Dibromomethane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	5/7/2021 8:21:16 PM
Toluene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	5/7/2021 8:21:16 PM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	5/7/2021 8:21:16 PM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	5/7/2021 8:21:16 PM
Dibromochloromethane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	5/7/2021 8:21:16 PM
methyl n-butyl ketone	ND	0.0600		mg/Kg	1	5/7/2021 8:21:16 PM
Chlorobenzene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	5/7/2021 8:21:16 PM
Ethylbenzene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
m,p-Xylene	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
o-Xylene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM



Client: Aspect Consulting
Project: The Eight Redevelopment
Lab ID: 2105102-007
Client Sample ID: T8-TB-01

Collection Date: 5/6/2021 11:42:00 AM
Matrix: Soil

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

Batch ID: 32227 Analyst: CR

Styrene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Isopropylbenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
Bromoform	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	5/7/2021 8:21:16 PM
n-Propylbenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
Bromobenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	5/7/2021 8:21:16 PM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	5/7/2021 8:21:16 PM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
n-Butylbenzene	ND	0.0400		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	5/7/2021 8:21:16 PM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	5/7/2021 8:21:16 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	5/7/2021 8:21:16 PM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
Naphthalene	ND	0.100		mg/Kg	1	5/7/2021 8:21:16 PM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	5/7/2021 8:21:16 PM
Surr: Dibromofluoromethane	89.8	81.9 - 113		%Rec	1	5/7/2021 8:21:16 PM
Surr: Toluene-d8	98.4	82.7 - 115		%Rec	1	5/7/2021 8:21:16 PM
Surr: 1-Bromo-4-fluorobenzene	95.1	87.9 - 109		%Rec	1	5/7/2021 8:21:16 PM

NOTES:

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

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-32260	SampType: MBLK	Units: mg/Kg	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: MBLKS	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353336							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0960									
Barium	ND	0.480									
Cadmium	ND	0.160									
Chromium	ND	0.320									
Lead	ND	0.160									
Selenium	ND	0.160									
Silver	ND	0.120									

Sample ID: LCS-32260	SampType: LCS	Units: mg/Kg	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: LCSS	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353337							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.8	0.0945	39.37	0	98.5	80	120				
Barium	41.5	0.472	39.37	0	106	80	120				
Cadmium	1.89	0.157	1.969	0	96.1	80	120				
Chromium	41.8	0.315	39.37	0	106	80	120				
Lead	19.4	0.157	19.69	0	98.5	80	120				
Selenium	4.10	0.157	3.937	0	104	80	120				
Silver	1.93	0.118	1.969	0	97.8	80	120				

Sample ID: 2105102-006AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: T8-S32-E14-160	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353340							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.2	0.103	42.75	2.354	105	75	125				
Barium	95.0	0.513	42.75	56.11	91.1	75	125				
Cadmium	2.39	0.171	2.137	0.07759	108	75	125				
Chromium	72.0	0.342	42.75	21.41	118	75	125				
Lead	23.3	0.171	21.37	1.689	101	75	125				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2105102-006AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: T8-S32-E14-160	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353340							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	5.68	0.171	4.275	0.9710	110	75	125				
Silver	2.18	0.128	2.137	0	102	75	125				

Sample ID: 2105102-006AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: T8-S32-E14-160	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353341							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	46.1	0.103	43.08	2.354	101	75	125	47.24	2.53	20	
Barium	91.6	0.517	43.08	56.11	82.3	75	125	95.05	3.74	20	
Cadmium	2.27	0.172	2.154	0.07759	102	75	125	2.385	5.14	20	
Chromium	72.3	0.345	43.08	21.41	118	75	125	71.95	0.467	20	
Lead	22.1	0.172	21.54	1.689	94.8	75	125	23.28	5.11	20	
Selenium	5.01	0.172	4.308	0.9710	93.8	75	125	5.680	12.5	20	
Silver	2.05	0.129	2.154	0	95.2	75	125	2.180	6.12	20	

Sample ID: CCV-32260A	SampType: CCV	Units: µg/L	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: CCV	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353346							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	110	1.20	100.0	0	110	90	110				
Barium	106	6.00	100.0	0	106	90	110				
Cadmium	5.46	2.00	5.000	0	109	90	110				
Chromium	112	4.00	100.0	0	112	90	110				S
Lead	51.0	2.00	50.00	0	102	90	110				
Selenium	27.8	2.00	25.00	0	111	90	110				S
Silver	5.39	1.50	5.000	0	108	90	110				

NOTES:

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

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: CCV-32260B	SampType: CCV	Units: µg/L	Prep Date: 5/11/2021	RunNo: 67163							
Client ID: CCV	Batch ID: 32260		Analysis Date: 5/11/2021	SeqNo: 1353465							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	104	1.20	100.0	0	104	90	110				
Barium	112	6.00	100.0	0	112	90	110				S
Cadmium	5.41	2.00	5.000	0	108	90	110				
Chromium	102	4.00	100.0	0	102	90	110				
Lead	49.5	2.00	50.00	0	99.0	90	110				
Selenium	26.3	2.00	25.00	0	105	90	110				
Silver	5.22	1.50	5.000	0	104	90	110				

NOTES:

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

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-32244	SampType: MBLK	Units: mg/Kg	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: MBLKS	Batch ID: 32244		Analysis Date: 5/10/2021	SeqNo: 1352647							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-32244	SampType: LCS	Units: mg/Kg	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: LCSS	Batch ID: 32244		Analysis Date: 5/10/2021	SeqNo: 1352648							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.546 0.250 0.5000 0 109 80 120

Sample ID: 2104419-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: BATCH	Batch ID: 32244		Analysis Date: 5/10/2021	SeqNo: 1352650							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.0706 0 20

Sample ID: 2104419-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: BATCH	Batch ID: 32244		Analysis Date: 5/10/2021	SeqNo: 1352651							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.188 0.0700 0.1400 0.04320 103 70 130

Sample ID: 2104419-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/10/2021	RunNo: 67121							
Client ID: BATCH	Batch ID: 32244		Analysis Date: 5/10/2021	SeqNo: 1352652							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.183 0.0718 0.1437 0.04320 97.1 70 130 0.1876 2.59 20

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

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

Sample ID: MB-32232	SampType: MBLK	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: MBLKS	Batch ID: 32232		Analysis Date: 5/9/2021	SeqNo: 1352282							
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	9.85		10.00		98.5	50	150				
Surr: o-Terphenyl	9.99		10.00		99.9	50	150				

Sample ID: LCS-32232	SampType: LCS	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: LCSS	Batch ID: 32232		Analysis Date: 5/9/2021	SeqNo: 1352283							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	516	50.0	500.0	0	103	75.7	116				
Surr: 2-Fluorobiphenyl	9.53		10.00		95.3	50	150				
Surr: o-Terphenyl	11.5		10.00		115	50	150				

Sample ID: 2105058-004AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: BATCH	Batch ID: 32232		Analysis Date: 5/9/2021	SeqNo: 1352290							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	611	61.6	615.6	0	99.2	59.6	134				
Surr: 2-Fluorobiphenyl	7.65		12.31		62.1	50	150				
Surr: o-Terphenyl	10.8		12.31		87.4	50	150				

Sample ID: 2105058-004AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: BATCH	Batch ID: 32232		Analysis Date: 5/9/2021	SeqNo: 1352291							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	607	59.2	591.5	0	103	59.6	134	610.5	0.552	30	
Surr: 2-Fluorobiphenyl	7.70		11.83		65.1	50	150		0		
Surr: o-Terphenyl	9.64		11.83		81.5	50	150		0		

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

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

Sample ID: 2105058-004AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: BATCH	Batch ID: 32232	Analysis Date: 5/9/2021	SeqNo: 1352291								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2105102-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67119							
Client ID: T8-S31-E04-165	Batch ID: 32232	Analysis Date: 5/10/2021	SeqNo: 1352301								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	51.2						0		30	
Heavy Oil	ND	102						0		30	
Total Petroleum Hydrocarbons	ND	154						0		30	
Surr: 2-Fluorobiphenyl	8.68		10.24		84.8	50	150		0		
Surr: o-Terphenyl	9.10		10.24		88.9	50	150		0		

Work Order: 2105102
 CLIENT: Aspect Consulting
 Project: The Eight Redevelopment

QC SUMMARY REPORT
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-32233	SampType: MBLK	Units: µg/Kg	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: MBLKS	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352247							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
Acenaphthylene	ND	20.0									
Acenaphthene	ND	20.0									
Fluorene	ND	20.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
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									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2-Fluorobiphenyl	843		1,000		84.3	19	135				
Surr: Terphenyl-d14 (surr)	986		1,000		98.6	42.9	156				

Sample ID: LCS-32233	SampType: LCS	Units: µg/Kg	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: LCSS	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352248							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,650	20.0	2,000	0	82.4	62.7	127				
2-Methylnaphthalene	1,660	20.0	2,000	0	83.2	62.7	132				
1-Methylnaphthalene	1,700	20.0	2,000	0	84.8	61.4	131				
Acenaphthylene	1,590	20.0	2,000	0	79.7	62	132				
Acenaphthene	1,650	20.0	2,000	0	82.5	59.2	132				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCS-32233	SampType: LCS	Units: µg/Kg	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: LCSS	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352248							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,720	20.0	2,000	0	85.8	59.1	136				
Phenanthrene	1,700	40.0	2,000	0	84.9	54.1	139				
Anthracene	1,680	40.0	2,000	0	84.2	55.5	136				
Fluoranthene	1,720	40.0	2,000	0	85.9	52.8	149				
Pyrene	1,650	40.0	2,000	0	82.5	53.6	146				
Benz(a)anthracene	1,670	20.0	2,000	0	83.7	49.7	153				
Chrysene	1,620	40.0	2,000	0	81.1	52.6	147				
Benzo(b)fluoranthene	1,720	20.0	2,000	0	86.2	50.6	151				
Benzo(k)fluoranthene	1,670	20.0	2,000	0	83.5	47.1	155				
Benzo(a)pyrene	1,860	20.0	2,000	0	93.2	48.3	169				
Indeno(1,2,3-cd)pyrene	1,780	40.0	2,000	0	89.1	52.3	145				
Dibenz(a,h)anthracene	1,830	40.0	2,000	0	91.7	53	144				
Benzo(g,h,i)perylene	1,660	20.0	2,000	0	83.1	49.7	144				
Surr: 2-Fluorobiphenyl	870		1,000		87.0	19	135				
Surr: Terphenyl-d14 (surr)	983		1,000		98.3	42.9	156				

Sample ID: 2104399-001AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67116							
Client ID: BATCH	Batch ID: 32233		Analysis Date: 5/7/2021	SeqNo: 1352251							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,530	21.7	2,173	0	70.3	26.5	126				
2-Methylnaphthalene	1,560	21.7	2,173	4.484	71.7	40.5	117				
1-Methylnaphthalene	1,600	21.7	2,173	3.800	73.4	37	118				
Acenaphthylene	1,540	21.7	2,173	0	70.7	34.6	121				
Acenaphthene	1,560	21.7	2,173	0	71.6	36.9	114				
Fluorene	1,650	21.7	2,173	3.141	75.9	36.5	120				
Phenanthrene	1,660	43.5	2,173	32.31	75.0	29.2	124				
Anthracene	1,650	43.5	2,173	0	76.0	32.9	127				
Fluoranthene	1,680	43.5	2,173	34.31	75.9	33.2	130				
Pyrene	1,630	43.5	2,173	35.60	73.2	32	128				

Work Order: 2105102
 CLIENT: Aspect Consulting
 Project: The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2104399-001AMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 5/7/2021	RunNo: 67116					
Client ID: BATCH	Batch ID: 32233				Analysis Date: 5/7/2021	SeqNo: 1352251					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,670	21.7	2,173	20.73	76.0	33	134				
Chrysene	1,550	43.5	2,173	44.07	69.1	33.1	123				
Benzo(b)fluoranthene	1,580	21.7	2,173	26.20	71.4	36.3	126				
Benzo(k)fluoranthene	1,710	21.7	2,173	13.62	78.0	33.2	131				
Benzo(a)pyrene	1,800	21.7	2,173	26.64	81.7	36.2	148				
Indeno(1,2,3-cd)pyrene	1,530	43.5	2,173	13.95	69.8	32.8	124				
Dibenz(a,h)anthracene	1,600	43.5	2,173	9.895	73.0	31.4	126				
Benzo(g,h,i)perylene	1,340	21.7	2,173	21.95	60.5	25.3	122				
Surr: 2-Fluorobiphenyl	811		1,086		74.6	19	135				
Surr: Terphenyl-d14 (surr)	941		1,086		86.6	42.9	156				

Sample ID: 2104399-001AMSD	SampType: MSD	Units: µg/Kg-dry			Prep Date: 5/7/2021	RunNo: 67116					
Client ID: BATCH	Batch ID: 32233				Analysis Date: 5/7/2021	SeqNo: 1352252					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,800	22.8	2,278	0	78.8	26.5	126	1,528	16.2	30	
2-Methylnaphthalene	1,840	22.8	2,278	4.484	80.4	40.5	117	1,563	16.1	30	
1-Methylnaphthalene	1,870	22.8	2,278	3.800	82.1	37	118	1,598	15.9	30	
Acenaphthylene	1,800	22.8	2,278	0	79.1	34.6	121	1,536	15.9	30	
Acenaphthene	1,820	22.8	2,278	0	79.7	36.9	114	1,557	15.4	30	
Fluorene	1,920	22.8	2,278	3.141	84.1	36.5	120	1,652	14.9	30	
Phenanthrene	1,940	45.6	2,278	32.31	83.6	29.2	124	1,662	15.3	30	
Anthracene	1,930	45.6	2,278	0	84.9	32.9	127	1,651	15.8	30	
Fluoranthene	1,960	45.6	2,278	34.31	84.7	33.2	130	1,683	15.4	30	
Pyrene	1,910	45.6	2,278	35.60	82.1	32	128	1,626	15.9	30	
Benz(a)anthracene	1,910	22.8	2,278	20.73	83.0	33	134	1,673	13.4	30	
Chrysene	1,840	45.6	2,278	44.07	79.0	33.1	123	1,545	17.7	30	
Benzo(b)fluoranthene	1,800	22.8	2,278	26.20	77.9	36.3	126	1,577	13.2	30	
Benzo(k)fluoranthene	1,910	22.8	2,278	13.62	83.2	33.2	131	1,708	11.2	30	
Benzo(a)pyrene	2,020	22.8	2,278	26.64	87.7	36.2	148	1,803	11.6	30	

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2104399-001AMSD	SampType: MSD	Units: µg/Kg-dry				Prep Date: 5/7/2021	RunNo: 67116				
Client ID: BATCH	Batch ID: 32233					Analysis Date: 5/7/2021	SeqNo: 1352252				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,570	45.6	2,278	13.95	68.4	32.8	124	1,530	2.66	30	
Dibenz(a,h)anthracene	1,660	45.6	2,278	9.895	72.4	31.4	126	1,596	3.91	30	
Benzo(g,h,i)perylene	1,320	22.8	2,278	21.95	56.9	25.3	122	1,335	1.34	30	
Surr: 2-Fluorobiphenyl	946		1,139		83.1	19	135		0		
Surr: Terphenyl-d14 (surr)	1,090		1,139		95.6	42.9	156		0		

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32227	SampType: LCS	Units: mg/Kg			Prep Date: 5/7/2021	RunNo: 67129					
Client ID: LCSS	Batch ID: 32227				Analysis Date: 5/7/2021	SeqNo: 1352553					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	24.2	5.00	25.00	0	96.7	65	135				
Surr: Toluene-d8	1.23		1.250		98.8	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.250		103	65	135				

Sample ID: MB-32227	SampType: MBLK	Units: mg/Kg			Prep Date: 5/7/2021	RunNo: 67129					
Client ID: MBLKS	Batch ID: 32227				Analysis Date: 5/7/2021	SeqNo: 1352554					
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	1.27		1.250		102	65	135				

Sample ID: 2105058-004BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 5/7/2021	RunNo: 67129					
Client ID: BATCH	Batch ID: 32227				Analysis Date: 5/7/2021	SeqNo: 1352556					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.94						0		30	
Surr: Toluene-d8	1.50		1.484		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.50		1.484		101	65	135		0		

Sample ID: 2105058-006BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 5/7/2021	RunNo: 67129					
Client ID: BATCH	Batch ID: 32227				Analysis Date: 5/7/2021	SeqNo: 1352563					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	26.7	5.61	28.06	0	95.2	65	135				
Surr: Toluene-d8	1.39		1.403		99.1	65	135				
Surr: 4-Bromofluorobenzene	1.46		1.403		104	65	135				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2105102-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67129							
Client ID: T8-S29-E11-165	Batch ID: 32227		Analysis Date: 5/10/2021	SeqNo: 1352569							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	7.44						0		30	
Gasoline Range Organics (C6-C12)	9.79	7.44						8.665	12.2	30	
Surr: Toluene-d8	1.89		1.861		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.85		1.861		99.1	65	135		0		

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12). Detection is from single peak.

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32227	SampType: LCS	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128
Client ID: LCSS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352509

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.801	0.0500	1.000	0	80.1	80	120				
Chloromethane	0.883	0.0800	1.000	0	88.3	80	120				
Vinyl chloride	0.939	0.0250	1.000	0	93.9	80	120				
Bromomethane	1.09	0.150	1.000	0	109	80	120				
Trichlorofluoromethane (CFC-11)	1.01	0.0500	1.000	0	101	80	120				
Chloroethane	1.05	0.120	1.000	0	105	80	120				
1,1-Dichloroethene	0.981	0.100	1.000	0	98.1	80	120				
Acetone	2.83	0.500	2.500	0	113	80	120				
Methylene chloride	1.03	0.0150	1.000	0	103	80	120				
trans-1,2-Dichloroethene	0.999	0.0300	1.000	0	99.9	80	120				
Methyl tert-butyl ether (MTBE)	0.934	0.0300	1.000	0	93.4	80	120				
1,1-Dichloroethane	0.998	0.0250	1.000	0	99.8	80	120				
cis-1,2-Dichloroethene	0.999	0.0250	1.000	0	99.9	80	120				
(MEK) 2-Butanone	2.31	0.450	2.500	0	92.4	80	120				
Chloroform	1.01	0.0250	1.000	0	101	80	120				
1,1,1-Trichloroethane (TCA)	1.01	0.0250	1.000	0	101	80	120				
1,1-Dichloropropene	1.00	0.0250	1.000	0	100	80	120				
Carbon tetrachloride	1.02	0.0750	1.000	0	102	80	120				
1,2-Dichloroethane (EDC)	0.983	0.0230	1.000	0	98.3	80	120				
Benzene	1.00	0.0200	1.000	0	100	80	120				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	80	120				
1,2-Dichloropropane	1.01	0.0200	1.000	0	101	80	120				
Bromodichloromethane	1.03	0.0250	1.000	0	103	80	120				
Dibromomethane	0.987	0.0200	1.000	0	98.7	80	120				
cis-1,3-Dichloropropene	1.02	0.0800	1.000	0	102	80	120				
Toluene	1.06	0.0300	1.000	0	106	80	120				
trans-1,3-Dichloropropylene	0.996	0.0500	1.000	0	99.6	80	120				
Methyl Isobutyl Ketone (MIBK)	2.26	0.0750	2.500	0	90.4	80	120				
1,1,2-Trichloroethane	1.01	0.0170	1.000	0	101	80	120				
1,3-Dichloropropane	0.997	0.0200	1.000	0	99.7	80	120				

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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32227	SampType: LCS	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: LCSS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352509							
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	1.05	0.0200	1.000	0	105	80	120				
1,2-Dibromoethane (EDB)	0.998	0.0100	1.000	0	99.8	80	120				
methyl n-butyl ketone	2.31	0.0600	2.500	0	92.5	80	120				
Chlorobenzene	1.00	0.0250	1.000	0	100	80	120				
1,1,1,2-Tetrachloroethane	1.00	0.0200	1.000	0	100	80	120				
Ethylbenzene	1.04	0.0250	1.000	0	104	80	120				
m,p-Xylene	2.03	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	1.07	0.0300	1.000	0	107	80	120				
Bromoform	1.06	0.0250	1.000	0	106	80	120				
1,1,1,2,2-Tetrachloroethane	0.984	0.0150	1.000	0	98.4	80	120				
n-Propylbenzene	1.14	0.0300	1.000	0	114	80	120				
Bromobenzene	1.03	0.0300	1.000	0	103	80	120				
1,3,5-Trimethylbenzene	1.09	0.0250	1.000	0	109	80	120				
2-Chlorotoluene	1.06	0.0300	1.000	0	106	80	120				
4-Chlorotoluene	1.07	0.0300	1.000	0	107	80	120				
tert-Butylbenzene	1.08	0.0300	1.000	0	108	80	120				
1,2,3-Trichloropropane	0.958	0.0250	1.000	0	95.8	80	120				
1,2,4-Trichlorobenzene	0.967	0.0400	1.000	0	96.7	80	120				
sec-Butylbenzene	1.15	0.0300	1.000	0	115	80	120				
4-Isopropyltoluene	1.13	0.0300	1.000	0	113	80	120				
1,3-Dichlorobenzene	1.03	0.0350	1.000	0	103	80	120				
1,4-Dichlorobenzene	1.01	0.0300	1.000	0	101	80	120				
n-Butylbenzene	1.04	0.0400	1.000	0	104	80	120				
1,2-Dichlorobenzene	0.979	0.0300	1.000	0	97.9	80	120				
1,2-Dibromo-3-chloropropane	0.916	0.0600	1.000	0	91.6	80	120				
1,2,4-Trimethylbenzene	1.10	0.0250	1.000	0	110	80	120				
Hexachloro-1,3-butadiene	1.01	0.0500	1.000	0	101	80	120				

Work Order: 2105102
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Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32227	SampType: LCS	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: LCSS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352509							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.907	0.100	1.000	0	90.7	80	120				
1,2,3-Trichlorobenzene	0.953	0.0500	1.000	0	95.3	80	120				
Surr: Dibromofluoromethane	1.37		1.250		109	81.9	113				
Surr: Toluene-d8	1.30		1.250		104	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.32		1.250		105	87.9	109				

Sample ID: MB-32227	SampType: MBLK	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: MBLKS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352510							
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									

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32227	SampType: MBLK	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: MBLKS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352510							
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									
methyl n-butyl ketone	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: 2105102
CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32227	SampType: MBLK	Units: mg/Kg	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: MBLKS	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352510							
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	1.12		1.250		89.9	81.9	113				
Surr: Toluene-d8	1.25		1.250		100	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.2	87.9	109				

NOTES:

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

Sample ID: 2105058-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352512							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0594						0		30	Q
Chloromethane	ND	0.0950						0		30	Q
Vinyl chloride	ND	0.0297						0		30	
Bromomethane	ND	0.178						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0594						0		30	
Chloroethane	ND	0.143						0		30	
1,1-Dichloroethene	ND	0.119						0		30	
Acetone	ND	0.594						0		30	
Methylene chloride	ND	0.0178						0		30	

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352512							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0356						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0356						0		30	
1,1-Dichloroethane	ND	0.0297						0		30	
cis-1,2-Dichloroethene	ND	0.0297						0		30	
(MEK) 2-Butanone	ND	0.534						0		30	
Chloroform	ND	0.0297						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0297						0		30	
1,1-Dichloropropene	ND	0.0297						0		30	
Carbon tetrachloride	ND	0.0891						0		30	
1,2-Dichloroethane (EDC)	ND	0.0273						0		30	
Benzene	ND	0.0238						0		30	
Trichloroethene (TCE)	ND	0.0238						0		30	
1,2-Dichloropropane	ND	0.0238						0		30	
Bromodichloromethane	ND	0.0297						0		30	
Dibromomethane	ND	0.0238						0		30	
cis-1,3-Dichloropropene	ND	0.0950						0		30	
Toluene	ND	0.0356						0		30	
trans-1,3-Dichloropropylene	ND	0.0594						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0891						0		30	
1,1,2-Trichloroethane	ND	0.0202						0		30	
1,3-Dichloropropane	ND	0.0238						0		30	
Tetrachloroethene (PCE)	ND	0.0475						0		30	
Dibromochloromethane	ND	0.0238						0		30	
1,2-Dibromoethane (EDB)	ND	0.0119						0		30	
methyl n-butyl ketone	ND	0.0713						0		30	
Chlorobenzene	ND	0.0297						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0238						0		30	
Ethylbenzene	ND	0.0297						0		30	
m,p-Xylene	ND	0.0594						0		30	
o-Xylene	ND	0.0297						0		30	

Work Order: 2105102
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Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352512							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Styrene	ND	0.0297						0		30	
Isopropylbenzene	ND	0.0356						0		30	
Bromoform	ND	0.0297						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0178						0		30	
n-Propylbenzene	ND	0.0356						0		30	
Bromobenzene	ND	0.0356						0		30	
1,3,5-Trimethylbenzene	ND	0.0297						0		30	
2-Chlorotoluene	ND	0.0356						0		30	
4-Chlorotoluene	ND	0.0356						0		30	
tert-Butylbenzene	ND	0.0356						0		30	
1,2,3-Trichloropropane	ND	0.0297						0		30	
1,2,4-Trichlorobenzene	ND	0.0475						0		30	
sec-Butylbenzene	ND	0.0356						0		30	
4-Isopropyltoluene	ND	0.0356						0		30	
1,3-Dichlorobenzene	ND	0.0416						0		30	
1,4-Dichlorobenzene	ND	0.0356						0		30	
n-Butylbenzene	ND	0.0475						0		30	
1,2-Dichlorobenzene	ND	0.0356						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0713						0		30	
1,2,4-Trimethylbenzene	ND	0.0297						0		30	
Hexachloro-1,3-butadiene	ND	0.0594						0		30	
Naphthalene	ND	0.119						0		30	
1,2,3-Trichlorobenzene	ND	0.0594						0		30	
Surr: Dibromofluoromethane	1.40		1.484		94.2	81.9	113		0		
Surr: Toluene-d8	1.49		1.484		100	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.46		1.484		98.4	87.9	109		0		

NOTES:

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

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352521							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.838	0.0598	1.195	0	70.1	5.08	187				
Chloromethane	0.933	0.0956	1.195	0	78.1	41.2	147				
Vinyl chloride	1.04	0.0299	1.195	0	87.2	49.9	147				
Bromomethane	1.11	0.179	1.195	0	93.2	47.1	182				
Trichlorofluoromethane (CFC-11)	1.18	0.0598	1.195	0	98.7	51.7	151				
Chloroethane	1.19	0.143	1.195	0	99.4	47.5	166				
1,1-Dichloroethene	1.18	0.120	1.195	0	99.1	61.3	144				
Acetone	3.49	0.598	2.988	0	117	50.2	174				
Methylene chloride	1.15	0.0179	1.195	0	96.5	75.3	130				
trans-1,2-Dichloroethene	1.18	0.0359	1.195	0	98.8	73.5	130				
Methyl tert-butyl ether (MTBE)	1.11	0.0359	1.195	0	93.2	73	126				
1,1-Dichloroethane	1.13	0.0299	1.195	0	94.8	71.8	135				
cis-1,2-Dichloroethene	1.18	0.0299	1.195	0	99.0	77.5	127				
(MEK) 2-Butanone	2.90	0.538	2.988	0	96.9	48.6	166				
Chloroform	1.18	0.0299	1.195	0	98.7	77.3	127				
1,1,1-Trichloroethane (TCA)	1.22	0.0299	1.195	0	102	71.3	131				
1,1-Dichloropropene	1.21	0.0299	1.195	0	101	69.8	134				
Carbon tetrachloride	1.24	0.0896	1.195	0	104	66.1	133				
1,2-Dichloroethane (EDC)	1.14	0.0275	1.195	0	95.5	73.5	128				
Benzene	1.18	0.0239	1.195	0	98.5	76.8	129				
Trichloroethene (TCE)	1.25	0.0239	1.195	0	105	70.5	140				
1,2-Dichloropropane	1.14	0.0239	1.195	0	95.2	74.6	130				
Bromodichloromethane	1.19	0.0299	1.195	0	99.4	76.2	121				
Dibromomethane	1.15	0.0239	1.195	0	96.4	78	124				
cis-1,3-Dichloropropene	1.16	0.0956	1.195	0	96.9	76	120				
Toluene	1.28	0.0359	1.195	0	107	77.8	127				
trans-1,3-Dichloropropylene	1.15	0.0598	1.195	0	96.4	73.5	121				
Methyl Isobutyl Ketone (MIBK)	2.75	0.0896	2.988	0	92.2	61	139				
1,1,2-Trichloroethane	1.19	0.0203	1.195	0	99.8	77.7	123				
1,3-Dichloropropane	1.17	0.0239	1.195	0	97.7	77.4	123				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352521

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.32	0.0478	1.195	0	110	70.7	131				
Dibromochloromethane	1.21	0.0239	1.195	0	101	74.7	120				
1,2-Dibromoethane (EDB)	1.19	0.0120	1.195	0	99.5	76.1	124				
methyl n-butyl ketone	2.86	0.0717	2.988	0	95.6	50.9	162				
Chlorobenzene	1.24	0.0299	1.195	0	104	80.4	123				
1,1,1,2-Tetrachloroethane	1.23	0.0239	1.195	0	103	79.5	121				
Ethylbenzene	1.30	0.0299	1.195	0	109	78.7	130				
m,p-Xylene	2.53	0.0598	2.390	0.007301	106	79.3	127				
o-Xylene	1.26	0.0299	1.195	0	106	80.7	124				
Styrene	1.26	0.0299	1.195	0	105	81.9	122				
Isopropylbenzene	1.35	0.0359	1.195	0	113	75.7	132				
Bromoform	1.26	0.0299	1.195	0	106	74.3	121				
1,1,1,2,2-Tetrachloroethane	1.12	0.0179	1.195	0	93.6	60.2	136				
n-Propylbenzene	1.41	0.0359	1.195	0	118	76.4	134				
Bromobenzene	1.29	0.0359	1.195	0	108	80.3	122				
1,3,5-Trimethylbenzene	1.36	0.0299	1.195	0	114	79.5	127				
2-Chlorotoluene	1.31	0.0359	1.195	0	109	77.6	131				
4-Chlorotoluene	1.30	0.0359	1.195	0	109	80.2	126				
tert-Butylbenzene	1.37	0.0359	1.195	0	114	75.5	132				
1,2,3-Trichloropropane	1.16	0.0299	1.195	0	97.1	70.2	126				
1,2,4-Trichlorobenzene	1.20	0.0478	1.195	0	101	64.2	142				
sec-Butylbenzene	1.45	0.0359	1.195	0	121	75	133				
4-Isopropyltoluene	1.42	0.0359	1.195	0	118	74.4	133				
1,3-Dichlorobenzene	1.27	0.0418	1.195	0	107	80.7	127				
1,4-Dichlorobenzene	1.26	0.0359	1.195	0	105	81.9	124				
n-Butylbenzene	1.28	0.0478	1.195	0	107	71.5	140				
1,2-Dichlorobenzene	1.21	0.0359	1.195	0	101	83.7	122				
1,2-Dibromo-3-chloropropane	1.10	0.0717	1.195	0	92.1	64.9	130				
1,2,4-Trimethylbenzene	1.36	0.0299	1.195	0	113	79.3	127				
Hexachloro-1,3-butadiene	1.27	0.0598	1.195	0	106	59.2	149				

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105058-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: BATCH	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352521							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.14	0.120	1.195	0	95.5	44.6	171				
1,2,3-Trichlorobenzene	1.15	0.0598	1.195	0	96.6	52.6	156				
Surr: Dibromofluoromethane	1.51		1.494		101	81.9	113				
Surr: Toluene-d8	1.49		1.494		99.8	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.55		1.494		104	87.9	109				

Sample ID: 2105102-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: T8-S29-E11-165	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352527							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0744						0		30	Q
Chloromethane	ND	0.119						0		30	Q
Vinyl chloride	ND	0.0372						0		30	
Bromomethane	ND	0.223						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0744						0		30	
Chloroethane	ND	0.179						0		30	
1,1-Dichloroethene	ND	0.149						0		30	
Acetone	ND	0.744						0		30	
Methylene chloride	ND	0.0223						0		30	
trans-1,2-Dichloroethene	ND	0.0447						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0447						0		30	
1,1-Dichloroethane	ND	0.0372						0		30	
cis-1,2-Dichloroethene	ND	0.0372						0		30	
(MEK) 2-Butanone	ND	0.670						0		30	
Chloroform	ND	0.0372						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0372						0		30	
1,1-Dichloropropene	ND	0.0372						0		30	
Carbon tetrachloride	ND	0.112						0		30	
1,2-Dichloroethane (EDC)	ND	0.0342						0		30	
Benzene	ND	0.0298						0		30	

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105102-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: T8-S29-E11-165	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352527							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	ND	0.0298						0		30	
1,2-Dichloropropane	ND	0.0298						0		30	
Bromodichloromethane	ND	0.0372						0		30	
Dibromomethane	ND	0.0298						0		30	
cis-1,3-Dichloropropene	ND	0.119						0		30	
Toluene	ND	0.0447						0		30	
trans-1,3-Dichloropropylene	ND	0.0744						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.112						0		30	
1,1,2-Trichloroethane	ND	0.0253						0		30	
1,3-Dichloropropane	ND	0.0298						0		30	
Tetrachloroethene (PCE)	ND	0.0596						0		30	
Dibromochloromethane	ND	0.0298						0		30	
1,2-Dibromoethane (EDB)	ND	0.0149						0		30	
methyl n-butyl ketone	ND	0.0893						0		30	
Chlorobenzene	ND	0.0372						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0298						0		30	
Ethylbenzene	ND	0.0372						0		30	
m,p-Xylene	ND	0.0744						0		30	
o-Xylene	ND	0.0372						0		30	
Styrene	ND	0.0372						0		30	
Isopropylbenzene	ND	0.0447						0		30	
Bromoform	ND	0.0372						0		30	
1,1,1,2,2-Tetrachloroethane	ND	0.0223						0		30	
n-Propylbenzene	ND	0.0447						0		30	
Bromobenzene	ND	0.0447						0		30	
1,3,5-Trimethylbenzene	ND	0.0372						0		30	
2-Chlorotoluene	ND	0.0447						0		30	
4-Chlorotoluene	ND	0.0447						0		30	
tert-Butylbenzene	ND	0.0447						0		30	
1,2,3-Trichloropropane	ND	0.0372						0		30	

Work Order: 2105102
CLIENT: Aspect Consulting
Project: The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105102-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/7/2021	RunNo: 67128							
Client ID: T8-S29-E11-165	Batch ID: 32227		Analysis Date: 5/7/2021	SeqNo: 1352527							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	ND	0.0596						0		30	
sec-Butylbenzene	ND	0.0447						0		30	
4-Isopropyltoluene	ND	0.0447						0		30	
1,3-Dichlorobenzene	ND	0.0521						0		30	
1,4-Dichlorobenzene	ND	0.0447						0		30	
n-Butylbenzene	ND	0.0596						0		30	
1,2-Dichlorobenzene	ND	0.0447						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0893						0		30	
1,2,4-Trimethylbenzene	ND	0.0372						0		30	
Hexachloro-1,3-butadiene	ND	0.0744						0		30	
Naphthalene	ND	0.149						0		30	
1,2,3-Trichlorobenzene	ND	0.0744						0		30	
Surr: Dibromofluoromethane	1.67		1.861		89.6	81.9	113		0		
Surr: Toluene-d8	1.85		1.861		99.5	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.76		1.861		94.8	87.9	109		0		

NOTES:

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

Client Name: AC	Work Order Number: 2105102
Logged by: Carissa True	Date Received: 5/7/2021 1:40:00 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	1.4

* 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: 5/7/21 Page: 1 of: 1

Project Name: The Eight Redevelopment

Project No: 180587

Collected by: Baithy Gal

Location:

Report To (PM): Al Cochran, Analytical

PM Email: acochran@aspectconsulting.com astep@aspectconsulting.com

Laboratory Project No (Internal): 1805102

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)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 - SIM)	Metals** (EPA 8082 / 608)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 TB-S31-E09-165	5/7/21	0945	S	3	X	X	X	X	X	X	X	X	X				
2 TB-S29-E07-165		1000															
3 TB-S29-E11-165		1020															
4 TB-S34-E07-165		1035															
5 TB-S34-E11-165		1045															
6 TB-S32-E14-160		1105															
7 TB-TB-01		1200	A	1													No Cr, D, PAH, EPCRA metals
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 Same Day
 2 Day (specify)

Relinquished (Signature) Baithy Gal Print Name Baithy Gal Date/Time 5/7/21 1840
 Relinquished (Signature) [Signature] Print Name Al Cochran Date/Time 5/7/21 @ 1340



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Skanska The Eight Redevelopment

Work Order Number: 2105157

May 12, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 10 sample(s) on 5/11/2021 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:
Amelia Oates

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2105157

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105157-001	T8-S39-E23-165	05/11/2021 11:40 AM	05/11/2021 4:40 PM
2105157-002	T8-S37-E21-165	05/11/2021 12:00 PM	05/11/2021 4:40 PM
2105157-003	T8-S23-E04-171	05/11/2021 1:45 PM	05/11/2021 4:40 PM
2105157-004	T8-S21-E04-171	05/11/2021 2:00 PM	05/11/2021 4:40 PM
2105157-005	T8-S19-E04-171	05/11/2021 2:10 PM	05/11/2021 4:40 PM
2105157-006	T8-S17-E05-171	05/11/2021 2:25 PM	05/11/2021 4:40 PM
2105157-007	T8-S18-E07-171	05/11/2021 2:40 PM	05/11/2021 4:40 PM
2105157-008	T8-S19-E08-171	05/11/2021 2:50 PM	05/11/2021 4:40 PM
2105157-009	T8-S90-E90-171	05/11/2021 12:00 PM	05/11/2021 4:40 PM
2105157-010	T8-TB-02		05/11/2021 4:40 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment
Lab ID: 2105157-001
Client Sample ID: T8-S39-E23-165

Collection Date: 5/11/2021 11:40:00 AM
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: 32275 Analyst: MM

Diesel (Fuel Oil)	ND	48.8		mg/Kg-dry	1	5/12/2021 12:05:44 PM
Heavy Oil	ND	97.6		mg/Kg-dry	1	5/12/2021 12:05:44 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	5/12/2021 12:05:44 PM
Surr: 2-Fluorobiphenyl	94.6	50 - 150		%Rec	1	5/12/2021 12:05:44 PM
Surr: o-Terphenyl	101	50 - 150		%Rec	1	5/12/2021 12:05:44 PM

Gasoline by NWTPH-Gx

Batch ID: 32265 Analyst: CR

Gasoline	ND	4.96		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/12/2021 4:04:21 AM
Surr: 4-Bromofluorobenzene	98.9	65 - 135		%Rec	1	5/12/2021 4:04:21 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32265 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0496		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Chloromethane	ND	0.0794		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Vinyl chloride	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Bromomethane	ND	0.149		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Trichlorofluoromethane (CFC-11)	ND	0.0496		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Chloroethane	ND	0.119		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,1-Dichloroethene	ND	0.0992		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Acetone	ND	0.496		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Methylene chloride	ND	0.0149		mg/Kg-dry	1	5/12/2021 4:04:21 AM
trans-1,2-Dichloroethene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Methyl tert-butyl ether (MTBE)	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,1-Dichloroethane	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
cis-1,2-Dichloroethene	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
(MEK) 2-Butanone	ND	0.447		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Chloroform	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,1,1-Trichloroethane (TCA)	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,1-Dichloropropene	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Carbon tetrachloride	ND	0.0744		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,2-Dichloroethane (EDC)	ND	0.0228		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Benzene	ND	0.0198		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Trichloroethene (TCE)	ND	0.0198		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,2-Dichloropropane	ND	0.0198		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Bromodichloromethane	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Dibromomethane	ND	0.0198		mg/Kg-dry	1	5/12/2021 4:04:21 AM
cis-1,3-Dichloropropene	ND	0.0794		mg/Kg-dry	1	5/12/2021 4:04:21 AM



Analytical Report

Work Order: 2105157
Date Reported: 5/12/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2105157-001
Client Sample ID: T8-S39-E23-165

Collection Date: 5/11/2021 11:40:00 AM
Matrix: Soil

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

Batch ID: 32265 Analyst: CR

Toluene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
trans-1,3-Dichloropropylene	ND	0.0496		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0744		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,1,2-Trichloroethane	ND	0.0169		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,3-Dichloropropane	ND	0.0198		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Tetrachloroethene (PCE)	ND	0.0397		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Dibromochloromethane	ND	0.0198		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,2-Dibromoethane (EDB)	ND	0.00992		mg/Kg-dry	1	5/12/2021 4:04:21 AM
methyl n-butyl ketone	ND	0.0595		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Chlorobenzene	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,1,1,2-Tetrachloroethane	ND	0.0198		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Ethylbenzene	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
m,p-Xylene	ND	0.0496		mg/Kg-dry	1	5/12/2021 4:04:21 AM
o-Xylene	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Styrene	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Isopropylbenzene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Bromoform	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,1,2,2-Tetrachloroethane	ND	0.0149		mg/Kg-dry	1	5/12/2021 4:04:21 AM
n-Propylbenzene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Bromobenzene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,3,5-Trimethylbenzene	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
2-Chlorotoluene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
4-Chlorotoluene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
tert-Butylbenzene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,2,3-Trichloropropane	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,2,4-Trichlorobenzene	ND	0.0397		mg/Kg-dry	1	5/12/2021 4:04:21 AM
sec-Butylbenzene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
4-Isopropyltoluene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,3-Dichlorobenzene	ND	0.0347		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,4-Dichlorobenzene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
n-Butylbenzene	ND	0.0397		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,2-Dichlorobenzene	ND	0.0298		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,2-Dibromo-3-chloropropane	ND	0.0595		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,2,4-Trimethylbenzene	ND	0.0248		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Hexachloro-1,3-butadiene	ND	0.0496		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Naphthalene	ND	0.0992		mg/Kg-dry	1	5/12/2021 4:04:21 AM
1,2,3-Trichlorobenzene	ND	0.0496		mg/Kg-dry	1	5/12/2021 4:04:21 AM
Surr: Dibromofluoromethane	92.4	81.9 - 113		%Rec	1	5/12/2021 4:04:21 AM
Surr: Toluene-d8	102	82.7 - 115		%Rec	1	5/12/2021 4:04:21 AM



Client: Aspect Consulting

Collection Date: 5/11/2021 11:40:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-001

Matrix: Soil

Client Sample ID: T8-S39-E23-165

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

Batch ID: 32265 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	96.5	87.9 - 109		%Rec	1	5/12/2021 4:04:21 AM
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Sample Moisture (Percent Moisture)

Batch ID: R67187 Analyst: KJ

Percent Moisture	7.57	0.500		wt%	1	5/12/2021 10:53:35 AM
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Client: Aspect Consulting

Collection Date: 5/11/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-002

Matrix: Soil

Client Sample ID: T8-S37-E21-165

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

Batch ID: 32275

Analyst: MM

Diesel (Fuel Oil)	ND	53.8		mg/Kg-dry	1	5/12/2021 12:18:26 PM
Heavy Oil	ND	108		mg/Kg-dry	1	5/12/2021 12:18:26 PM
Total Petroleum Hydrocarbons	ND	161		mg/Kg-dry	1	5/12/2021 12:18:26 PM
Surr: 2-Fluorobiphenyl	92.5	50 - 150		%Rec	1	5/12/2021 12:18:26 PM
Surr: o-Terphenyl	102	50 - 150		%Rec	1	5/12/2021 12:18:26 PM

Gasoline by NWTPH-Gx

Batch ID: 32265

Analyst: CR

Gasoline	ND	6.28		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/12/2021 4:34:43 AM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	5/12/2021 4:34:43 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32265

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0628		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Chloromethane	ND	0.101		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Vinyl chloride	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Bromomethane	ND	0.188		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Trichlorofluoromethane (CFC-11)	ND	0.0628		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Chloroethane	ND	0.151		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,1-Dichloroethene	ND	0.126		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Acetone	ND	0.628		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Methylene chloride	ND	0.0188		mg/Kg-dry	1	5/12/2021 4:34:43 AM
trans-1,2-Dichloroethene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Methyl tert-butyl ether (MTBE)	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,1-Dichloroethane	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
cis-1,2-Dichloroethene	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
(MEK) 2-Butanone	ND	0.565		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Chloroform	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,1,1-Trichloroethane (TCA)	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,1-Dichloropropene	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Carbon tetrachloride	ND	0.0942		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,2-Dichloroethane (EDC)	ND	0.0289		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Benzene	ND	0.0251		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Trichloroethene (TCE)	ND	0.0251		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,2-Dichloropropane	ND	0.0251		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Bromodichloromethane	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Dibromomethane	ND	0.0251		mg/Kg-dry	1	5/12/2021 4:34:43 AM
cis-1,3-Dichloropropene	ND	0.101		mg/Kg-dry	1	5/12/2021 4:34:43 AM



Client: Aspect Consulting

Collection Date: 5/11/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-002

Matrix: Soil

Client Sample ID: T8-S37-E21-165

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

Batch ID: 32265

Analyst: CR

Toluene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
trans-1,3-Dichloropropylene	ND	0.0628		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0942		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,1,2-Trichloroethane	ND	0.0214		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,3-Dichloropropane	ND	0.0251		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Tetrachloroethene (PCE)	ND	0.0503		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Dibromochloromethane	ND	0.0251		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,2-Dibromoethane (EDB)	ND	0.0126		mg/Kg-dry	1	5/12/2021 4:34:43 AM
methyl n-butyl ketone	ND	0.0754		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Chlorobenzene	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,1,1,2-Tetrachloroethane	ND	0.0251		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Ethylbenzene	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
m,p-Xylene	ND	0.0628		mg/Kg-dry	1	5/12/2021 4:34:43 AM
o-Xylene	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Styrene	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Isopropylbenzene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Bromoform	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,1,2,2-Tetrachloroethane	ND	0.0188		mg/Kg-dry	1	5/12/2021 4:34:43 AM
n-Propylbenzene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Bromobenzene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,3,5-Trimethylbenzene	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
2-Chlorotoluene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
4-Chlorotoluene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
tert-Butylbenzene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,2,3-Trichloropropane	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,2,4-Trichlorobenzene	ND	0.0503		mg/Kg-dry	1	5/12/2021 4:34:43 AM
sec-Butylbenzene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
4-Isopropyltoluene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,3-Dichlorobenzene	ND	0.0440		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,4-Dichlorobenzene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
n-Butylbenzene	ND	0.0503		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,2-Dichlorobenzene	ND	0.0377		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,2-Dibromo-3-chloropropane	ND	0.0754		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,2,4-Trimethylbenzene	ND	0.0314		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Hexachloro-1,3-butadiene	ND	0.0628		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Naphthalene	ND	0.126		mg/Kg-dry	1	5/12/2021 4:34:43 AM
1,2,3-Trichlorobenzene	ND	0.0628		mg/Kg-dry	1	5/12/2021 4:34:43 AM
Surr: Dibromofluoromethane	92.2	81.9 - 113		%Rec	1	5/12/2021 4:34:43 AM
Surr: Toluene-d8	102	82.7 - 115		%Rec	1	5/12/2021 4:34:43 AM



Client: Aspect Consulting

Collection Date: 5/11/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-002

Matrix: Soil

Client Sample ID: T8-S37-E21-165

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

Batch ID: 32265 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	98.1	87.9 - 109		%Rec	1	5/12/2021 4:34:43 AM
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Sample Moisture (Percent Moisture)

Batch ID: R67187 Analyst: KJ

Percent Moisture	11.3	0.500		wt%	1	5/12/2021 10:53:35 AM
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Client: Aspect Consulting

Collection Date: 5/11/2021 1:45:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-003

Matrix: Soil

Client Sample ID: T8-S23-E04-171

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32275	Analyst: MM
Diesel (Fuel Oil)	ND	53.4		mg/Kg-dry	1	5/12/2021 12:31:21 PM
Heavy Oil	ND	107		mg/Kg-dry	1	5/12/2021 12:31:21 PM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	5/12/2021 12:31:21 PM
Surr: 2-Fluorobiphenyl	86.2	50 - 150		%Rec	1	5/12/2021 12:31:21 PM
Surr: o-Terphenyl	97.2	50 - 150		%Rec	1	5/12/2021 12:31:21 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32265	Analyst: CR
Gasoline	ND	4.87		mg/Kg-dry	1	5/12/2021 5:35:21 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/12/2021 5:35:21 AM
Surr: 4-Bromofluorobenzene	99.1	65 - 135		%Rec	1	5/12/2021 5:35:21 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67187	Analyst: KJ
Percent Moisture	9.70	0.500		wt%	1	5/12/2021 10:53:35 AM



Client: Aspect Consulting

Collection Date: 5/11/2021 2:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-004

Matrix: Soil

Client Sample ID: T8-S21-E04-171

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

Batch ID: 32275 Analyst: MM

Diesel (Fuel Oil)	ND	49.4		mg/Kg-dry	1	5/12/2021 1:09:50 PM
Heavy Oil	ND	98.7		mg/Kg-dry	1	5/12/2021 1:09:50 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	5/12/2021 1:09:50 PM
Surr: 2-Fluorobiphenyl	86.6	50 - 150		%Rec	1	5/12/2021 1:09:50 PM
Surr: o-Terphenyl	98.7	50 - 150		%Rec	1	5/12/2021 1:09:50 PM

Gasoline by NWTPH-Gx

Batch ID: 32265 Analyst: CR

Gasoline	ND	4.19		mg/Kg-dry	1	5/12/2021 6:05:41 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/12/2021 6:05:41 AM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	5/12/2021 6:05:41 AM

Sample Moisture (Percent Moisture)

Batch ID: R67187 Analyst: KJ

Percent Moisture	9.22	0.500		wt%	1	5/12/2021 10:53:35 AM
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Client: Aspect Consulting

Collection Date: 5/11/2021 2:10:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-005

Matrix: Soil

Client Sample ID: T8-S19-E04-171

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

Batch ID: 32275 Analyst: MM

Diesel (Fuel Oil)	ND	48.3		mg/Kg-dry	1	5/12/2021 1:22:51 PM
Heavy Oil	ND	96.5		mg/Kg-dry	1	5/12/2021 1:22:51 PM
Total Petroleum Hydrocarbons	ND	145		mg/Kg-dry	1	5/12/2021 1:22:51 PM
Surr: 2-Fluorobiphenyl	85.3	50 - 150		%Rec	1	5/12/2021 1:22:51 PM
Surr: o-Terphenyl	95.9	50 - 150		%Rec	1	5/12/2021 1:22:51 PM

Gasoline by NWTPH-Gx

Batch ID: 32265 Analyst: CR

Gasoline	ND	5.05		mg/Kg-dry	1	5/12/2021 6:36:00 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/12/2021 6:36:00 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	5/12/2021 6:36:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R67187 Analyst: KJ

Percent Moisture	8.05	0.500		wt%	1	5/12/2021 10:53:35 AM
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Client: Aspect Consulting

Collection Date: 5/11/2021 2:25:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-006

Matrix: Soil

Client Sample ID: T8-S17-E05-171

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

Batch ID: 32275

Analyst: MM

Diesel (Fuel Oil)	ND	53.2		mg/Kg-dry	1	5/12/2021 1:35:48 PM
Heavy Oil	ND	106		mg/Kg-dry	1	5/12/2021 1:35:48 PM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	5/12/2021 1:35:48 PM
Surr: 2-Fluorobiphenyl	79.7	50 - 150		%Rec	1	5/12/2021 1:35:48 PM
Surr: o-Terphenyl	91.5	50 - 150		%Rec	1	5/12/2021 1:35:48 PM

Gasoline by NWTPH-Gx

Batch ID: 32265

Analyst: CR

Gasoline	ND	5.10		mg/Kg-dry	1	5/12/2021 7:06:15 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/12/2021 7:06:15 AM
Surr: 4-Bromofluorobenzene	97.7	65 - 135		%Rec	1	5/12/2021 7:06:15 AM

Sample Moisture (Percent Moisture)

Batch ID: R67187

Analyst: KJ

Percent Moisture	8.49	0.500		wt%	1	5/12/2021 10:53:35 AM
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Client: Aspect Consulting

Collection Date: 5/11/2021 2:40:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-007

Matrix: Soil

Client Sample ID: T8-S18-E07-171

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32275	Analyst: MM
Diesel (Fuel Oil)	ND	48.6		mg/Kg-dry	1	5/12/2021 1:48:35 PM
Heavy Oil	ND	97.2		mg/Kg-dry	1	5/12/2021 1:48:35 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	5/12/2021 1:48:35 PM
Surr: 2-Fluorobiphenyl	82.8	50 - 150		%Rec	1	5/12/2021 1:48:35 PM
Surr: o-Terphenyl	94.4	50 - 150		%Rec	1	5/12/2021 1:48:35 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32265	Analyst: CR
Gasoline	ND	5.40		mg/Kg-dry	1	5/12/2021 7:36:27 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/12/2021 7:36:27 AM
Surr: 4-Bromofluorobenzene	99.2	65 - 135		%Rec	1	5/12/2021 7:36:27 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67187	Analyst: KJ
Percent Moisture	8.73	0.500		wt%	1	5/12/2021 10:53:35 AM



Client: Aspect Consulting

Collection Date: 5/11/2021 2:50:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-008

Matrix: Soil

Client Sample ID: T8-S19-E08-171

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32275	Analyst: MM
Diesel (Fuel Oil)	288	48.7		mg/Kg-dry	1	5/12/2021 2:01:44 PM
Heavy Oil	ND	97.4		mg/Kg-dry	1	5/12/2021 2:01:44 PM
Total Petroleum Hydrocarbons	288	146		mg/Kg-dry	1	5/12/2021 2:01:44 PM
Surr: 2-Fluorobiphenyl	83.0	50 - 150		%Rec	1	5/12/2021 2:01:44 PM
Surr: o-Terphenyl	93.5	50 - 150		%Rec	1	5/12/2021 2:01:44 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32265	Analyst: CR
Gasoline	ND	4.39		mg/Kg-dry	1	5/12/2021 8:06:44 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/12/2021 8:06:44 AM
Surr: 4-Bromofluorobenzene	98.7	65 - 135		%Rec	1	5/12/2021 8:06:44 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67187	Analyst: KJ
Percent Moisture	10.1	0.500		wt%	1	5/12/2021 10:53:35 AM



Client: Aspect Consulting

Collection Date: 5/11/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-009

Matrix: Soil

Client Sample ID: T8-S90-E90-171

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32275	Analyst: MM
Diesel (Fuel Oil)	586	54.5		mg/Kg-dry	1	5/12/2021 2:14:33 PM
Heavy Oil	ND	109		mg/Kg-dry	1	5/12/2021 2:14:33 PM
Total Petroleum Hydrocarbons	586	163		mg/Kg-dry	1	5/12/2021 2:14:33 PM
Surr: 2-Fluorobiphenyl	69.8	50 - 150		%Rec	1	5/12/2021 2:14:33 PM
Surr: o-Terphenyl	98.5	50 - 150		%Rec	1	5/12/2021 2:14:33 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32265	Analyst: CR
Gasoline	ND	4.98		mg/Kg-dry	1	5/12/2021 8:37:05 AM
Surr: Toluene-d8	103	65 - 135		%Rec	1	5/12/2021 8:37:05 AM
Surr: 4-Bromofluorobenzene	99.6	65 - 135		%Rec	1	5/12/2021 8:37:05 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67187	Analyst: KJ
Percent Moisture	10.2	0.500		wt%	1	5/12/2021 10:53:35 AM



Client: Aspect Consulting

Collection Date:

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-010

Matrix: Soil

Client Sample ID: T8-TB-02

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

Batch ID: 32265

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	5/12/2021 3:34:00 AM
Chloromethane	ND	0.0800		mg/Kg	1	5/12/2021 3:34:00 AM
Vinyl chloride	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
Bromomethane	ND	0.150		mg/Kg	1	5/12/2021 3:34:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	5/12/2021 3:34:00 AM
Chloroethane	ND	0.120		mg/Kg	1	5/12/2021 3:34:00 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	5/12/2021 3:34:00 AM
Acetone	ND	0.500		mg/Kg	1	5/12/2021 3:34:00 AM
Methylene chloride	ND	0.0150		mg/Kg	1	5/12/2021 3:34:00 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	5/12/2021 3:34:00 AM
Chloroform	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	5/12/2021 3:34:00 AM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	5/12/2021 3:34:00 AM
Benzene	ND	0.0200		mg/Kg	1	5/12/2021 3:34:00 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	5/12/2021 3:34:00 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	5/12/2021 3:34:00 AM
Bromodichloromethane	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
Dibromomethane	ND	0.0200		mg/Kg	1	5/12/2021 3:34:00 AM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	5/12/2021 3:34:00 AM
Toluene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	5/12/2021 3:34:00 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	5/12/2021 3:34:00 AM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	5/12/2021 3:34:00 AM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	5/12/2021 3:34:00 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	5/12/2021 3:34:00 AM
Dibromochloromethane	ND	0.0200		mg/Kg	1	5/12/2021 3:34:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	5/12/2021 3:34:00 AM
methyl n-butyl ketone	ND	0.0600		mg/Kg	1	5/12/2021 3:34:00 AM
Chlorobenzene	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	5/12/2021 3:34:00 AM
Ethylbenzene	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
m,p-Xylene	ND	0.0500		mg/Kg	1	5/12/2021 3:34:00 AM
o-Xylene	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM



Client: Aspect Consulting

Collection Date:

Project: Skanska The Eight Redevelopment

Lab ID: 2105157-010

Matrix: Soil

Client Sample ID: T8-TB-02

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

Batch ID: 32265

Analyst: CR

Styrene	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
Isopropylbenzene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
Bromoform	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	5/12/2021 3:34:00 AM
n-Propylbenzene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
Bromobenzene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	5/12/2021 3:34:00 AM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	5/12/2021 3:34:00 AM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
n-Butylbenzene	ND	0.0400		mg/Kg	1	5/12/2021 3:34:00 AM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	5/12/2021 3:34:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	5/12/2021 3:34:00 AM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	5/12/2021 3:34:00 AM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	5/12/2021 3:34:00 AM
Naphthalene	ND	0.100		mg/Kg	1	5/12/2021 3:34:00 AM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	5/12/2021 3:34:00 AM
Surr: Dibromofluoromethane	91.3	81.9 - 113		%Rec	1	5/12/2021 3:34:00 AM
Surr: Toluene-d8	100	82.7 - 115		%Rec	1	5/12/2021 3:34:00 AM
Surr: 1-Bromo-4-fluorobenzene	96.6	87.9 - 109		%Rec	1	5/12/2021 3:34:00 AM

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32275	SampType: MBLK	Units: mg/Kg			Prep Date: 5/12/2021	RunNo: 67195					
Client ID: MBLKS	Batch ID: 32275				Analysis Date: 5/12/2021	SeqNo: 1354097					
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	9.06		10.00		90.6	50	150				
Surr: o-Terphenyl	9.62		10.00		96.2	50	150				

Sample ID: LCS-32275	SampType: LCS	Units: mg/Kg			Prep Date: 5/12/2021	RunNo: 67195					
Client ID: LCSS	Batch ID: 32275				Analysis Date: 5/12/2021	SeqNo: 1354098					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	497	50.0	500.0	0	99.4	75.7	116				
Surr: 2-Fluorobiphenyl	8.65		10.00		86.5	50	150				
Surr: o-Terphenyl	11.0		10.00		110	50	150				

Sample ID: 2105157-003AMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 5/12/2021	RunNo: 67195					
Client ID: T8-S23-E04-171	Batch ID: 32275				Analysis Date: 5/12/2021	SeqNo: 1354102					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	587	55.1	551.5	0	106	59.6	134				
Surr: 2-Fluorobiphenyl	8.43		11.03		76.4	50	150				
Surr: o-Terphenyl	12.0		11.03		109	50	150				

Sample ID: 2105157-003AMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 5/12/2021	RunNo: 67195					
Client ID: T8-S23-E04-171	Batch ID: 32275				Analysis Date: 5/12/2021	SeqNo: 1354103					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	531	53.0	530.4	0	100	59.6	134	587.1	10.1	30	
Surr: 2-Fluorobiphenyl	7.76		10.61		73.2	50	150		0		
Surr: o-Terphenyl	11.1		10.61		105	50	150		0		

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2105157-003AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/12/2021	RunNo: 67195							
Client ID: T8-S23-E04-171	Batch ID: 32275		Analysis Date: 5/12/2021	SeqNo: 1354103							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32265	SampType: LCS	Units: mg/Kg			Prep Date: 5/11/2021	RunNo: 67182					
Client ID: LCSS	Batch ID: 32265				Analysis Date: 5/11/2021	SeqNo: 1353749					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	24.3	5.00	25.00	0	97.1	65	135				
Surr: Toluene-d8	1.23		1.250		98.8	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID: MB-32265	SampType: MBLK	Units: mg/Kg			Prep Date: 5/11/2021	RunNo: 67182					
Client ID: MBLKS	Batch ID: 32265				Analysis Date: 5/11/2021	SeqNo: 1353750					
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		98.9	65	135				

Sample ID: 2105084-007BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 5/11/2021	RunNo: 67182					
Client ID: BATCH	Batch ID: 32265				Analysis Date: 5/11/2021	SeqNo: 1353752					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.18						0		30	
Surr: Toluene-d8	0.796		0.7944		100	65	135		0		
Surr: 4-Bromofluorobenzene	0.803		0.7944		101	65	135		0		

Sample ID: 2105157-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 5/11/2021	RunNo: 67182					
Client ID: T8-S37-E21-165	Batch ID: 32265				Analysis Date: 5/12/2021	SeqNo: 1353756					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.28						0		30	
Surr: Toluene-d8	1.59		1.571		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.57		1.571		99.8	65	135		0		

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2105157-009BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67182							
Client ID: T8-S90-E90-171	Batch ID: 32265	Analysis Date: 5/12/2021	SeqNo: 1353764								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	19.8	4.98	24.91	0	79.4	65	135				
Surr: Toluene-d8	1.25		1.246		101	65	135				
Surr: 4-Bromofluorobenzene	1.32		1.246		106	65	135				

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32265	SampType: LCS	Units: µg/L	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: LCSS	Batch ID: 32265		Analysis Date: 5/11/2021	SeqNo: 1353697							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.994	0.0500	1.000	0	99.4	80	120				
Chloromethane	0.999	0.0800	1.000	0	99.9	80	120				
Vinyl chloride	1.02	0.0250	1.000	0	102	80	120				
Bromomethane	1.04	0.150	1.000	0	104	80	120				
Trichlorofluoromethane (CFC-11)	1.05	0.0500	1.000	0	105	80	120				
Chloroethane	1.01	0.120	1.000	0	101	80	120				
1,1-Dichloroethene	1.02	0.100	1.000	0	102	80	120				
Acetone	2.97	0.500	2.500	0	119	80	120				
Methylene chloride	1.02	0.0150	1.000	0	102	80	120				
trans-1,2-Dichloroethene	1.03	0.0300	1.000	0	103	80	120				
Methyl tert-butyl ether (MTBE)	1.00	0.0300	1.000	0	100	80	120				
1,1-Dichloroethane	1.03	0.0250	1.000	0	103	80	120				
cis-1,2-Dichloroethene	1.03	0.0250	1.000	0	103	80	120				
(MEK) 2-Butanone	2.56	0.450	2.500	0	103	80	120				
Chloroform	1.03	0.0250	1.000	0	103	80	120				
1,1,1-Trichloroethane (TCA)	1.04	0.0250	1.000	0	104	80	120				
1,1-Dichloropropene	1.04	0.0250	1.000	0	104	80	120				
Carbon tetrachloride	1.08	0.0750	1.000	0	108	80	120				
1,2-Dichloroethane (EDC)	1.02	0.0230	1.000	0	102	80	120				
Benzene	1.04	0.0200	1.000	0	104	80	120				
Trichloroethene (TCE)	1.06	0.0200	1.000	0	106	80	120				
1,2-Dichloropropane	1.04	0.0200	1.000	0	104	80	120				
Bromodichloromethane	1.04	0.0250	1.000	0	104	80	120				
Dibromomethane	1.02	0.0200	1.000	0	102	80	120				
cis-1,3-Dichloropropene	1.03	0.0800	1.000	0	103	80	120				
Toluene	1.07	0.0300	1.000	0	107	80	120				
trans-1,3-Dichloropropylene	1.05	0.0500	1.000	0	105	80	120				
Methyl Isobutyl Ketone (MIBK)	2.49	0.0750	2.500	0	99.6	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: 2105157
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32265	SampType: LCS	Units: µg/L	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: LCSS	Batch ID: 32265		Analysis Date: 5/11/2021	SeqNo: 1353697							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.12	0.0400	1.000	0	112	80	120				
Dibromochloromethane	1.07	0.0200	1.000	0	107	80	120				
1,2-Dibromoethane (EDB)	1.04	0.0100	1.000	0	104	80	120				
methyl n-butyl ketone	2.60	0.0600	2.500	0	104	80	120				
Chlorobenzene	1.03	0.0250	1.000	0	103	80	120				
1,1,1,2-Tetrachloroethane	1.04	0.0200	1.000	0	104	80	120				
Ethylbenzene	1.07	0.0250	1.000	0	107	80	120				
m,p-Xylene	2.08	0.0500	2.000	0	104	80	120				
o-Xylene	1.02	0.0250	1.000	0	102	80	120				
Styrene	1.04	0.0250	1.000	0	104	80	120				
Isopropylbenzene	1.08	0.0300	1.000	0	108	80	120				
Bromoform	1.06	0.0250	1.000	0	106	80	120				
1,1,1,2,2-Tetrachloroethane	0.983	0.0150	1.000	0	98.3	80	120				
n-Propylbenzene	1.14	0.0300	1.000	0	114	80	120				
Bromobenzene	1.01	0.0300	1.000	0	101	80	120				
1,3,5-Trimethylbenzene	1.10	0.0250	1.000	0	110	80	120				
2-Chlorotoluene	1.04	0.0300	1.000	0	104	80	120				
4-Chlorotoluene	1.05	0.0300	1.000	0	105	80	120				
tert-Butylbenzene	1.05	0.0300	1.000	0	105	80	120				
1,2,3-Trichloropropane	1.01	0.0250	1.000	0	101	80	120				
1,2,4-Trichlorobenzene	1.05	0.0400	1.000	0	105	80	120				
sec-Butylbenzene	1.13	0.0300	1.000	0	113	80	120				
4-Isopropyltoluene	1.13	0.0300	1.000	0	113	80	120				
1,3-Dichlorobenzene	1.07	0.0350	1.000	0	107	80	120				
1,4-Dichlorobenzene	1.04	0.0300	1.000	0	104	80	120				
n-Butylbenzene	1.09	0.0400	1.000	0	109	80	120				
1,2-Dichlorobenzene	1.04	0.0300	1.000	0	104	80	120				
1,2-Dibromo-3-chloropropane	1.04	0.0600	1.000	0	104	80	120				
1,2,4-Trimethylbenzene	1.07	0.0250	1.000	0	107	80	120				
Hexachloro-1,3-butadiene	1.06	0.0500	1.000	0	106	80	120				

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32265	SampType: LCS	Units: µg/L	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: LCSS	Batch ID: 32265		Analysis Date: 5/11/2021	SeqNo: 1353697							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.981	0.100	1.000	0	98.1	80	120				
1,2,3-Trichlorobenzene	0.966	0.0500	1.000	0	96.6	80	120				
Surr: Dibromofluoromethane	1.43		1.250		114	81.9	113				S
Surr: Toluene-d8	1.31		1.250		104	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	87.9	109				

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample ID: MB-32265	SampType: MBLK	Units: mg/Kg	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: MBLKS	Batch ID: 32265		Analysis Date: 5/11/2021	SeqNo: 1353678							
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: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32265	SampType: MBLK	Units: mg/Kg	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: MBLKS	Batch ID: 32265		Analysis Date: 5/11/2021	SeqNo: 1353678							
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									
methyl n-butyl ketone	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: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32265	SampType: MBLK	Units: mg/Kg	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: MBLKS	Batch ID: 32265		Analysis Date: 5/11/2021	SeqNo: 1353678							
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		99.3	81.9	113				
Surr: Toluene-d8	1.28		1.250		102	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250		96.4	87.9	109				

Sample ID: 2105084-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: BATCH	Batch ID: 32265		Analysis Date: 5/11/2021	SeqNo: 1353682							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0318						0		30	
Chloromethane	ND	0.0508						0		30	
Vinyl chloride	ND	0.0159						0		30	
Bromomethane	ND	0.0953						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0318						0		30	
Chloroethane	ND	0.0763						0		30	
1,1-Dichloroethene	ND	0.0636						0		30	
Acetone	ND	0.318						0		30	
Methylene chloride	ND	0.00953						0		30	

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105084-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: BATCH	Batch ID: 32265		Analysis Date: 5/11/2021	SeqNo: 1353682							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0191						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0191						0		30	
1,1-Dichloroethane	ND	0.0159						0		30	
cis-1,2-Dichloroethene	ND	0.0159						0		30	
(MEK) 2-Butanone	ND	0.286						0		30	
Chloroform	ND	0.0159						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0159						0		30	
1,1-Dichloropropene	ND	0.0159						0		30	
Carbon tetrachloride	ND	0.0477						0		30	
1,2-Dichloroethane (EDC)	ND	0.0146						0		30	
Benzene	ND	0.0127						0		30	
Trichloroethene (TCE)	ND	0.0127						0		30	
1,2-Dichloropropane	ND	0.0127						0		30	
Bromodichloromethane	ND	0.0159						0		30	
Dibromomethane	ND	0.0127						0		30	
cis-1,3-Dichloropropene	ND	0.0508						0		30	
Toluene	ND	0.0191						0		30	
trans-1,3-Dichloropropylene	ND	0.0318						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0477						0		30	
1,1,2-Trichloroethane	ND	0.0108						0		30	
1,3-Dichloropropane	ND	0.0127						0		30	
Tetrachloroethene (PCE)	ND	0.0254						0		30	
Dibromochloromethane	ND	0.0127						0		30	
1,2-Dibromoethane (EDB)	ND	0.00636						0		30	
methyl n-butyl ketone	ND	0.0381						0		30	
Chlorobenzene	ND	0.0159						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0127						0		30	
Ethylbenzene	ND	0.0159						0		30	
m,p-Xylene	ND	0.0318						0		30	
o-Xylene	ND	0.0159						0		30	

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105084-007BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 5/11/2021		RunNo: 67181			
Client ID: BATCH		Batch ID: 32265				Analysis Date: 5/11/2021		SeqNo: 1353682			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	ND	0.0159						0		30	
Isopropylbenzene	ND	0.0191						0		30	
Bromoform	ND	0.0159						0		30	
1,1,2,2-Tetrachloroethane	ND	0.00953						0		30	
n-Propylbenzene	ND	0.0191						0		30	
Bromobenzene	ND	0.0191						0		30	
1,3,5-Trimethylbenzene	ND	0.0159						0		30	
2-Chlorotoluene	ND	0.0191						0		30	
4-Chlorotoluene	ND	0.0191						0		30	
tert-Butylbenzene	ND	0.0191						0		30	
1,2,3-Trichloropropane	ND	0.0159						0		30	
1,2,4-Trichlorobenzene	ND	0.0254						0		30	
sec-Butylbenzene	ND	0.0191						0		30	
4-Isopropyltoluene	ND	0.0191						0		30	
1,3-Dichlorobenzene	ND	0.0222						0		30	
1,4-Dichlorobenzene	ND	0.0191						0		30	
n-Butylbenzene	ND	0.0254						0		30	
1,2-Dichlorobenzene	ND	0.0191						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0381						0		30	
1,2,4-Trimethylbenzene	ND	0.0159						0		30	
Hexachloro-1,3-butadiene	ND	0.0318						0		30	
Naphthalene	ND	0.0636						0		30	
1,2,3-Trichlorobenzene	ND	0.0318						0		30	
Surr: Dibromofluoromethane	0.760		0.7944		95.7	81.9	113		0		
Surr: Toluene-d8	0.815		0.7944		103	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.783		0.7944		98.5	87.9	109		0		

Work Order: 2105157
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105085-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: BATCH	Batch ID: 32265		Analysis Date: 5/12/2021	SeqNo: 1353690							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.182	0.0211	0.4215	0	43.1	5.08	187				
Chloromethane	0.311	0.0337	0.4215	0	73.8	41.2	147				
Vinyl chloride	0.331	0.0105	0.4215	0	78.5	49.9	147				
Bromomethane	0.397	0.0632	0.4215	0	94.2	47.1	182				
Trichlorofluoromethane (CFC-11)	0.397	0.0211	0.4215	0	94.3	51.7	151				
Chloroethane	0.386	0.0506	0.4215	0	91.6	47.5	166				
1,1-Dichloroethane	0.400	0.0422	0.4215	0	94.9	61.3	144				
Acetone	1.38	0.211	1.054	0	131	50.2	174				
Methylene chloride	0.446	0.00632	0.4215	0	106	75.3	130				
trans-1,2-Dichloroethene	0.424	0.0126	0.4215	0	101	73.5	130				
Methyl tert-butyl ether (MTBE)	0.408	0.0126	0.4215	0	96.8	73	126				
1,1-Dichloroethane	0.438	0.0105	0.4215	0	104	71.8	135				
cis-1,2-Dichloroethene	0.437	0.0105	0.4215	0	104	77.5	127				
(MEK) 2-Butanone	1.11	0.190	1.054	0	105	48.6	166				
Chloroform	0.446	0.0105	0.4215	0	106	77.3	127				
1,1,1-Trichloroethane (TCA)	0.438	0.0105	0.4215	0	104	71.3	131				
1,1-Dichloropropene	0.428	0.0105	0.4215	0	102	69.8	134				
Carbon tetrachloride	0.435	0.0316	0.4215	0	103	66.1	133				
1,2-Dichloroethane (EDC)	0.434	0.00970	0.4215	0	103	73.5	128				
Benzene	0.439	0.00843	0.4215	0	104	76.8	129				
Trichloroethene (TCE)	0.463	0.00843	0.4215	0	110	70.5	140				
1,2-Dichloropropane	0.445	0.00843	0.4215	0	105	74.6	130				
Bromodichloromethane	0.446	0.0105	0.4215	0	106	76.2	121				
Dibromomethane	0.433	0.00843	0.4215	0	103	78	124				
cis-1,3-Dichloropropene	0.420	0.0337	0.4215	0	99.6	76	120				
Toluene	0.466	0.0126	0.4215	0	111	77.8	127				
trans-1,3-Dichloropropylene	0.422	0.0211	0.4215	0	100	73.5	121				
Methyl Isobutyl Ketone (MIBK)	1.04	0.0316	1.054	0	98.9	61	139				
1,1,2-Trichloroethane	0.449	0.00717	0.4215	0	106	77.7	123				
1,3-Dichloropropane	0.445	0.00843	0.4215	0	106	77.4	123				

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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105085-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: BATCH	Batch ID: 32265		Analysis Date: 5/12/2021	SeqNo: 1353690							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.456	0.0169	0.4215	0	108	70.7	131				
Dibromochloromethane	0.449	0.00843	0.4215	0	106	74.7	120				
1,2-Dibromoethane (EDB)	0.440	0.00422	0.4215	0	104	76.1	124				
methyl n-butyl ketone	1.09	0.0253	1.054	0	104	50.9	162				
Chlorobenzene	0.441	0.0105	0.4215	0	105	80.4	123				
1,1,1,2-Tetrachloroethane	0.430	0.00843	0.4215	0	102	79.5	121				
Ethylbenzene	0.461	0.0105	0.4215	0	109	78.7	130				
m,p-Xylene	0.887	0.0211	0.8431	0	105	79.3	127				
o-Xylene	0.441	0.0105	0.4215	0	105	80.7	124				
Styrene	0.446	0.0105	0.4215	0	106	81.9	122				
Isopropylbenzene	0.467	0.0126	0.4215	0	111	75.7	132				
Bromoform	0.435	0.0105	0.4215	0	103	74.3	121				
1,1,1,2,2-Tetrachloroethane	0.390	0.00632	0.4215	0	92.6	60.2	136				
n-Propylbenzene	0.511	0.0126	0.4215	0	121	76.4	134				
Bromobenzene	0.440	0.0126	0.4215	0	104	80.3	122				
1,3,5-Trimethylbenzene	0.480	0.0105	0.4215	0	114	79.5	127				
2-Chlorotoluene	0.470	0.0126	0.4215	0	111	77.6	131				
4-Chlorotoluene	0.467	0.0126	0.4215	0	111	80.2	126				
tert-Butylbenzene	0.471	0.0126	0.4215	0	112	75.5	132				
1,2,3-Trichloropropane	0.447	0.0105	0.4215	0	106	70.2	126				
1,2,4-Trichlorobenzene	0.421	0.0169	0.4215	0	99.8	64.2	142				
sec-Butylbenzene	0.501	0.0126	0.4215	0	119	75	133				
4-Isopropyltoluene	0.495	0.0126	0.4215	0	117	74.4	133				
1,3-Dichlorobenzene	0.445	0.0148	0.4215	0	106	80.7	127				
1,4-Dichlorobenzene	0.439	0.0126	0.4215	0	104	81.9	124				
n-Butylbenzene	0.451	0.0169	0.4215	0	107	71.5	140				
1,2-Dichlorobenzene	0.425	0.0126	0.4215	0	101	83.7	122				
1,2-Dibromo-3-chloropropane	0.390	0.0253	0.4215	0	92.4	64.9	130				
1,2,4-Trimethylbenzene	0.484	0.0105	0.4215	0	115	79.3	127				
Hexachloro-1,3-butadiene	0.430	0.0211	0.4215	0	102	59.2	149				

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105085-007BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: BATCH	Batch ID: 32265		Analysis Date: 5/12/2021	SeqNo: 1353690							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.399	0.0422	0.4215	0	94.8	44.6	171				
1,2,3-Trichlorobenzene	0.394	0.0211	0.4215	0	93.5	52.6	156				
Surr: Dibromofluoromethane	0.559		0.5269		106	81.9	113				
Surr: Toluene-d8	0.560		0.5269		106	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	0.551		0.5269		105	87.9	109				

Sample ID: 2105157-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: T8-S37-E21-165	Batch ID: 32265		Analysis Date: 5/12/2021	SeqNo: 1353695							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0628						0		30	
Chloromethane	ND	0.101						0		30	
Vinyl chloride	ND	0.0314						0		30	
Bromomethane	ND	0.188						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0628						0		30	
Chloroethane	ND	0.151						0		30	
1,1-Dichloroethene	ND	0.126						0		30	
Acetone	ND	0.628						0		30	
Methylene chloride	ND	0.0188						0		30	
trans-1,2-Dichloroethene	ND	0.0377						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0377						0		30	
1,1-Dichloroethane	ND	0.0314						0		30	
cis-1,2-Dichloroethene	ND	0.0314						0		30	
(MEK) 2-Butanone	ND	0.565						0		30	
Chloroform	ND	0.0314						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0314						0		30	
1,1-Dichloropropene	ND	0.0314						0		30	
Carbon tetrachloride	ND	0.0942						0		30	
1,2-Dichloroethane (EDC)	ND	0.0289						0		30	
Benzene	ND	0.0251						0		30	

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105157-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/11/2021	RunNo: 67181							
Client ID: T8-S37-E21-165	Batch ID: 32265		Analysis Date: 5/12/2021	SeqNo: 1353695							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	ND	0.0251						0		30	
1,2-Dichloropropane	ND	0.0251						0		30	
Bromodichloromethane	ND	0.0314						0		30	
Dibromomethane	ND	0.0251						0		30	
cis-1,3-Dichloropropene	ND	0.101						0		30	
Toluene	ND	0.0377						0		30	
trans-1,3-Dichloropropylene	ND	0.0628						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0942						0		30	
1,1,2-Trichloroethane	ND	0.0214						0		30	
1,3-Dichloropropane	ND	0.0251						0		30	
Tetrachloroethene (PCE)	ND	0.0503						0		30	
Dibromochloromethane	ND	0.0251						0		30	
1,2-Dibromoethane (EDB)	ND	0.0126						0		30	
methyl n-butyl ketone	ND	0.0754						0		30	
Chlorobenzene	ND	0.0314						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0251						0		30	
Ethylbenzene	ND	0.0314						0		30	
m,p-Xylene	ND	0.0628						0		30	
o-Xylene	ND	0.0314						0		30	
Styrene	ND	0.0314						0		30	
Isopropylbenzene	ND	0.0377						0		30	
Bromoform	ND	0.0314						0		30	
1,1,1,2,2-Tetrachloroethane	ND	0.0188						0		30	
n-Propylbenzene	ND	0.0377						0		30	
Bromobenzene	ND	0.0377						0		30	
1,3,5-Trimethylbenzene	ND	0.0314						0		30	
2-Chlorotoluene	ND	0.0377						0		30	
4-Chlorotoluene	ND	0.0377						0		30	
tert-Butylbenzene	ND	0.0377						0		30	
1,2,3-Trichloropropane	ND	0.0314						0		30	

Work Order: 2105157
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.0503						0		30	
sec-Butylbenzene	ND	0.0377						0		30	
4-Isopropyltoluene	ND	0.0377						0		30	
1,3-Dichlorobenzene	ND	0.0440						0		30	
1,4-Dichlorobenzene	ND	0.0377						0		30	
n-Butylbenzene	ND	0.0503						0		30	
1,2-Dichlorobenzene	ND	0.0377						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0754						0		30	
1,2,4-Trimethylbenzene	ND	0.0314						0		30	
Hexachloro-1,3-butadiene	ND	0.0628						0		30	
Naphthalene	ND	0.126						0		30	
1,2,3-Trichlorobenzene	ND	0.0628						0		30	
Surr: Dibromofluoromethane	1.51		1.571		96.4	81.9	113		0		
Surr: Toluene-d8	1.61		1.571		102	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.53		1.571		97.3	87.9	109		0		

Client Name: **AC**

 Work Order Number: **2105157**

 Logged by: **Gabrielle Coeuille**

 Date Received: **5/11/2021 4:40:21 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	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: 5/11/21 Page: 1 of 1 Laboratory Project No (Internal): 2105157

Project Name: Skanska Fire Eight Redoubt PM
Project No: 180587
Collected by: Baxter Call

Client: Aspect Consulting
Address: 710 2nd Ave, Ste 556
City, State, Zip: Seattle, WA, 98104
Telephone:
Fax:

Location:
Report To (PM): Al Cochran, Amelia Dales
PM Email: acochrane@aspectconsulting.com aodes@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 (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 TB-S39-E23-165	5/11/21	1140	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
2 TB-S37-E21-165		1200	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
3 TB-S23-E04-171		1345	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
4 TB-S21-E04-171		1400	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
5 TB-S19-E04-171		1410	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
6 TB-S17-E05-171		1425	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
7 TB-S18-E07-171		1446	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
8 TB-S19-E08-171		1450	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
9 TB-S90-E90-171		1200	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
10 TB-TB-02		1200	S	3	X	X	X	X	X	X	X	X	X	X	X	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 RCRAB8 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 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 Call* Print Name *Baxter Call* Date/Time *5/11/21 1645*
 Relinquished (Signature) *[Signature]* Print Name *[Name]* Date/Time *5/11/21 1645*



Aspect Consulting

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

RE: Skanska the Eight Redevelopment
Work Order Number: 2105167

May 13, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 5/12/2021 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:

Amelia Oates



Date: 05/13/2021

CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment
Work Order: 2105167

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105167-001	T8-S20-E10-171	05/12/2021 7:35 AM	05/12/2021 9:51 AM
2105167-002	T8-S22-E10-171	05/12/2021 7:45 AM	05/12/2021 9:51 AM
2105167-003	T8-S23-E08-171	05/12/2021 8:00 AM	05/12/2021 9:51 AM
2105167-004	T8-S18-E08-171	05/12/2021 8:15 AM	05/12/2021 9:51 AM

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

Original

CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

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: 5/12/2021 7:35:00 AM

Project: Skanska the Eight Redevelopment

Lab ID: 2105167-001

Matrix: Soil

Client Sample ID: T8-S20-E10-171

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

Batch ID: 32275 Analyst: MM

Diesel (Fuel Oil)	ND	51.5		mg/Kg-dry	1	5/12/2021 3:44:53 PM
Heavy Oil	ND	103		mg/Kg-dry	1	5/12/2021 3:44:53 PM
Total Petroleum Hydrocarbons	ND	154		mg/Kg-dry	1	5/12/2021 3:44:53 PM
Surr: 2-Fluorobiphenyl	84.0	50 - 150		%Rec	1	5/12/2021 3:44:53 PM
Surr: o-Terphenyl	92.6	50 - 150		%Rec	1	5/12/2021 3:44:53 PM

Gasoline by NWTPH-Gx

Batch ID: 32281 Analyst: KT

Gasoline	ND	6.52		mg/Kg-dry	1	5/12/2021 4:36:31 PM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/12/2021 4:36:31 PM
Surr: 4-Bromofluorobenzene	98.9	65 - 135		%Rec	1	5/12/2021 4:36:31 PM

Sample Moisture (Percent Moisture)

Batch ID: R67187 Analyst: KJ

Percent Moisture	9.97	0.500		wt%	1	5/12/2021 10:53:35 AM
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Client: Aspect Consulting

Collection Date: 5/12/2021 7:45:00 AM

Project: Skanska the Eight Redevelopment

Lab ID: 2105167-002

Matrix: Soil

Client Sample ID: T8-S22-E10-171

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

Batch ID: 32275 Analyst: MM

Diesel (Fuel Oil)	ND	50.3		mg/Kg-dry	1	5/12/2021 4:10:52 PM
Heavy Oil	ND	101		mg/Kg-dry	1	5/12/2021 4:10:52 PM
Total Petroleum Hydrocarbons	ND	151		mg/Kg-dry	1	5/12/2021 4:10:52 PM
Surr: 2-Fluorobiphenyl	81.5	50 - 150		%Rec	1	5/12/2021 4:10:52 PM
Surr: o-Terphenyl	92.1	50 - 150		%Rec	1	5/12/2021 4:10:52 PM

Gasoline by NWTPH-Gx

Batch ID: 32281 Analyst: KT

Gasoline	ND	5.08		mg/Kg-dry	1	5/12/2021 5:06:54 PM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/12/2021 5:06:54 PM
Surr: 4-Bromofluorobenzene	99.3	65 - 135		%Rec	1	5/12/2021 5:06:54 PM

Sample Moisture (Percent Moisture)

Batch ID: R67187 Analyst: KJ

Percent Moisture	10.1	0.500		wt%	1	5/12/2021 10:53:35 AM
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Client: Aspect Consulting

Collection Date: 5/12/2021 8:00:00 AM

Project: Skanska the Eight Redevelopment

Lab ID: 2105167-003

Matrix: Soil

Client Sample ID: T8-S23-E08-171

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

Batch ID: 32275 Analyst: MM

Diesel (Fuel Oil)	ND	54.7		mg/Kg-dry	1	5/12/2021 4:23:42 PM
Heavy Oil	ND	109		mg/Kg-dry	1	5/12/2021 4:23:42 PM
Total Petroleum Hydrocarbons	ND	164		mg/Kg-dry	1	5/12/2021 4:23:42 PM
Surr: 2-Fluorobiphenyl	86.7	50 - 150		%Rec	1	5/12/2021 4:23:42 PM
Surr: o-Terphenyl	94.0	50 - 150		%Rec	1	5/12/2021 4:23:42 PM

Gasoline by NWTPH-Gx

Batch ID: 32281 Analyst: KT

Gasoline	ND	5.30		mg/Kg-dry	1	5/12/2021 5:37:16 PM
Surr: Toluene-d8	103	65 - 135		%Rec	1	5/12/2021 5:37:16 PM
Surr: 4-Bromofluorobenzene	98.1	65 - 135		%Rec	1	5/12/2021 5:37:16 PM

Sample Moisture (Percent Moisture)

Batch ID: R67187 Analyst: KJ

Percent Moisture	9.18	0.500		wt%	1	5/12/2021 10:53:35 AM
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Client: Aspect Consulting

Collection Date: 5/12/2021 8:15:00 AM

Project: Skanska the Eight Redevelopment

Lab ID: 2105167-004

Matrix: Soil

Client Sample ID: T8-S18-E08-171

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32275	Analyst: MM
Diesel (Fuel Oil)	ND	47.1		mg/Kg-dry	1	5/12/2021 4:36:30 PM
Heavy Oil	ND	94.2		mg/Kg-dry	1	5/12/2021 4:36:30 PM
Total Petroleum Hydrocarbons	ND	141		mg/Kg-dry	1	5/12/2021 4:36:30 PM
Surr: 2-Fluorobiphenyl	67.0	50 - 150		%Rec	1	5/12/2021 4:36:30 PM
Surr: o-Terphenyl	84.2	50 - 150		%Rec	1	5/12/2021 4:36:30 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32281	Analyst: KT
Gasoline	ND	5.73		mg/Kg-dry	1	5/12/2021 6:07:32 PM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/12/2021 6:07:32 PM
Surr: 4-Bromofluorobenzene	98.6	65 - 135		%Rec	1	5/12/2021 6:07:32 PM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67187	Analyst: KJ
Percent Moisture	10.4	0.500		wt%	1	5/12/2021 10:53:35 AM

Work Order: 2105167
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

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

Sample ID: MB-32275	SampType: MBLK	Units: mg/Kg				Prep Date: 5/12/2021	RunNo: 67195				
Client ID: MBLKS	Batch ID: 32275					Analysis Date: 5/12/2021	SeqNo: 1354097				
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	9.06		10.00		90.6	50	150				
Surr: o-Terphenyl	9.62		10.00		96.2	50	150				

Sample ID: LCS-32275	SampType: LCS	Units: mg/Kg				Prep Date: 5/12/2021	RunNo: 67195				
Client ID: LCSS	Batch ID: 32275					Analysis Date: 5/12/2021	SeqNo: 1354098				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	497	50.0	500.0	0	99.4	75.7	116				
Surr: 2-Fluorobiphenyl	8.65		10.00		86.5	50	150				
Surr: o-Terphenyl	11.0		10.00		110	50	150				

Sample ID: 2105157-003AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 5/12/2021	RunNo: 67195				
Client ID: BATCH	Batch ID: 32275					Analysis Date: 5/12/2021	SeqNo: 1354102				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	587	55.1	551.5	0	106	59.6	134				
Surr: 2-Fluorobiphenyl	8.43		11.03		76.4	50	150				
Surr: o-Terphenyl	12.0		11.03		109	50	150				

Sample ID: 2105157-003AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 5/12/2021	RunNo: 67195				
Client ID: BATCH	Batch ID: 32275					Analysis Date: 5/12/2021	SeqNo: 1354103				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	531	53.0	530.4	0	100	59.6	134	587.1	10.1	30	
Surr: 2-Fluorobiphenyl	7.76		10.61		73.2	50	150		0		
Surr: o-Terphenyl	11.1		10.61		105	50	150		0		

Work Order: 2105167
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

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

Sample ID: 2105157-003AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/12/2021	RunNo: 67195							
Client ID: BATCH	Batch ID: 32275	Analysis Date: 5/12/2021	SeqNo: 1354103								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2105167-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/12/2021	RunNo: 67195							
Client ID: T8-S20-E10-171	Batch ID: 32275	Analysis Date: 5/12/2021	SeqNo: 1354280								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	55.4						0		30	
Heavy Oil	ND	111						0		30	
Total Petroleum Hydrocarbons	ND	166						0		30	
Surr: 2-Fluorobiphenyl	8.46		11.09		76.3	50	150		0		
Surr: o-Terphenyl	9.33		11.09		84.2	50	150		0		

Work Order: 2105167
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32281	SampType: LCS	Units: mg/Kg			Prep Date: 5/12/2021	RunNo: 67203					
Client ID: LCSS	Batch ID: 32281				Analysis Date: 5/12/2021	SeqNo: 1354287					
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	83.9	65	135				
Surr: Toluene-d8	1.25		1.250		100	65	135				
Surr: 4-Bromofluorobenzene	1.33		1.250		106	65	135				

Sample ID: MB-32281	SampType: MBLK	Units: mg/Kg			Prep Date: 5/12/2021	RunNo: 67203					
Client ID: MBLKS	Batch ID: 32281				Analysis Date: 5/12/2021	SeqNo: 1354288					
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	1.23		1.250		98.1	65	135				

Sample ID: 2105105-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 5/12/2021	RunNo: 67203					
Client ID: BATCH	Batch ID: 32281				Analysis Date: 5/12/2021	SeqNo: 1354290					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.59						0		30	
Surr: Toluene-d8	1.42		1.397		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.41		1.397		101	65	135		0		

Sample ID: 2105167-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 5/12/2021	RunNo: 67203					
Client ID: T8-S20-E10-171	Batch ID: 32281				Analysis Date: 5/12/2021	SeqNo: 1354296					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	32.9	6.52	32.61	0	101	65	135				
Surr: Toluene-d8	1.63		1.630		99.8	65	135				
Surr: 4-Bromofluorobenzene	1.71		1.630		105	65	135				

Client Name: **AC**

 Work Order Number: **2105167**

 Logged by: **Gabrielle Coeuille**

 Date Received: **5/12/2021 9:51:00 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 1	0.9

* 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: 5/12/21 Page: 1 of 1
Project Name: Skanska The Eight Redevelopment
Project No: 180587
Special Remarks: 2105107

Client: Aspet Consulting
Address: 710 2nd Ave Ste 550
City, State, Zip: Seattle, WA 98104
Location:
Report To (PM): Ali Courme, Amelia Bates
PM Email: accurate.aspetconsulting.com notes.aspetconsulting.com

Collected by: Baxter Call
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 (HID)	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)***	EDs (8011)	Comments
1 TB-520-E10-171	5/12/21	0735	S	5	X	X	X	X	X	X	X	X	X	X	X	X	
2 TB-522-E10-171		0745	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
3 TB-523-E08-171		0800	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
4 TB-518-E08-171		0815	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
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) *Baxter Call* Print Name Baxter Call Date/Time 5/12/21 0900
 Received (Signature) *Amelia Bates* Print Name Amelia Bates Date/Time 5/12/21 9:01
 Relinquished (Signature) *Amelia Bates* Print Name Amelia Bates Date/Time 5/12/21 9:51
 www.fremontanalytical.com



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: Skanska the Eight Redevelopment
Work Order Number: 2105211**

May 14, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 5/13/2021 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)
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:
Amelia Oates

*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: Skanska the Eight Redevelopment
Work Order: 2105211

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105211-001	T8-S25-E09-166	05/13/2021 9:00 AM	05/13/2021 3:06 PM
2105211-002	T8-S24-E11-166	05/13/2021 8:50 AM	05/13/2021 3:06 PM
2105211-003	T8-S33-E21-165	05/13/2021 12:10 PM	05/13/2021 3:06 PM
2105211-004	T8-TB-03	05/13/2021 12:00 AM	05/13/2021 3:06 PM

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

CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

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: 5/13/2021 9:00:00 AM

Project: Skanska the Eight Redevelopment

Lab ID: 2105211-001

Matrix: Soil

Client Sample ID: T8-S25-E09-166

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

Batch ID: 32289

Analyst: MM

Diesel (Fuel Oil)	ND	51.9		mg/Kg-dry	1	5/14/2021 8:58:49 AM
Heavy Oil	ND	104		mg/Kg-dry	1	5/14/2021 8:58:49 AM
Total Petroleum Hydrocarbons	ND	156		mg/Kg-dry	1	5/14/2021 8:58:49 AM
Surr: 2-Fluorobiphenyl	92.5	50 - 150		%Rec	1	5/14/2021 8:58:49 AM
Surr: o-Terphenyl	97.6	50 - 150		%Rec	1	5/14/2021 8:58:49 AM

Gasoline by NWTPH-Gx

Batch ID: 32299

Analyst: CR

Gasoline	ND	7.04		mg/Kg-dry	1	5/13/2021 7:51:33 PM
Gasoline Range Organics (C6-C12)	14.4	7.04		mg/Kg-dry	1	5/13/2021 7:51:33 PM
Surr: Toluene-d8	98.7	65 - 135		%Rec	1	5/13/2021 7:51:33 PM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	5/13/2021 7:51:33 PM

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12). Pattern is not consistent with gasoline.

Sample Moisture (Percent Moisture)

Batch ID: R67222

Analyst: KJ

Percent Moisture	9.93	0.500		wt%	1	5/13/2021 3:49:30 PM
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Client: Aspect Consulting

Collection Date: 5/13/2021 8:50:00 AM

Project: Skanska the Eight Redevelopment

Lab ID: 2105211-002

Matrix: Soil

Client Sample ID: T8-S24-E11-166

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

Batch ID: 32289 Analyst: MM

Diesel (Fuel Oil)	ND	53.7		mg/Kg-dry	1	5/13/2021 5:51:18 PM
Heavy Oil	ND	107		mg/Kg-dry	1	5/13/2021 5:51:18 PM
Total Petroleum Hydrocarbons	ND	161		mg/Kg-dry	1	5/13/2021 5:51:18 PM
Surr: 2-Fluorobiphenyl	99.2	50 - 150		%Rec	1	5/13/2021 5:51:18 PM
Surr: o-Terphenyl	99.9	50 - 150		%Rec	1	5/13/2021 5:51:18 PM

Gasoline by NWTPH-Gx

Batch ID: 32299 Analyst: CR

Gasoline	ND	5.55		mg/Kg-dry	1	5/13/2021 8:21:53 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/13/2021 8:21:53 PM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	5/13/2021 8:21:53 PM

Sample Moisture (Percent Moisture)

Batch ID: R67222 Analyst: KJ

Percent Moisture	9.15	0.500		wt%	1	5/13/2021 3:49:30 PM
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Client: Aspect Consulting
Project: Skanska the Eight Redevelopment
Lab ID: 2105211-003
Client Sample ID: T8-S33-E21-165

Collection Date: 5/13/2021 12:10:00 PM
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: 32289 Analyst: MM

Diesel (Fuel Oil)	ND	53.1		mg/Kg-dry	1	5/13/2021 6:04:08 PM
Heavy Oil	ND	106		mg/Kg-dry	1	5/13/2021 6:04:08 PM
Total Petroleum Hydrocarbons	ND	159		mg/Kg-dry	1	5/13/2021 6:04:08 PM
Surr: 2-Fluorobiphenyl	121	50 - 150		%Rec	1	5/13/2021 6:04:08 PM
Surr: o-Terphenyl	122	50 - 150		%Rec	1	5/13/2021 6:04:08 PM

Gasoline by NWTPH-Gx

Batch ID: 32299 Analyst: CR

Gasoline	ND	5.74		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	5/13/2021 8:52:19 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	5/13/2021 8:52:19 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32299 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0574		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Chloromethane	ND	0.0919		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Vinyl chloride	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Bromomethane	ND	0.172		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Trichlorofluoromethane (CFC-11)	ND	0.0574		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Chloroethane	ND	0.138		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,1-Dichloroethane	ND	0.115		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Acetone	ND	0.574		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Methylene chloride	ND	0.0172		mg/Kg-dry	1	5/13/2021 8:52:19 PM
trans-1,2-Dichloroethene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Methyl tert-butyl ether (MTBE)	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,1-Dichloroethane	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
cis-1,2-Dichloroethene	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
(MEK) 2-Butanone	ND	0.517		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Chloroform	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,1,1-Trichloroethane (TCA)	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,1-Dichloropropene	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Carbon tetrachloride	ND	0.0861		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,2-Dichloroethane (EDC)	ND	0.0264		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Benzene	ND	0.0230		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Trichloroethene (TCE)	ND	0.0230		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,2-Dichloropropane	ND	0.0230		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Bromodichloromethane	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Dibromomethane	ND	0.0230		mg/Kg-dry	1	5/13/2021 8:52:19 PM
cis-1,3-Dichloropropene	ND	0.0919		mg/Kg-dry	1	5/13/2021 8:52:19 PM



Client: Aspect Consulting
Project: Skanska the Eight Redevelopment
Lab ID: 2105211-003
Client Sample ID: T8-S33-E21-165

Collection Date: 5/13/2021 12:10:00 PM
Matrix: Soil

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

Batch ID: 32299 Analyst: CR

Toluene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
trans-1,3-Dichloropropylene	ND	0.0574		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0861		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,1,2-Trichloroethane	ND	0.0195		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,3-Dichloropropane	ND	0.0230		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Tetrachloroethene (PCE)	ND	0.0459		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Dibromochloromethane	ND	0.0230		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,2-Dibromoethane (EDB)	ND	0.0115		mg/Kg-dry	1	5/13/2021 8:52:19 PM
methyl n-butyl ketone	ND	0.0689		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Chlorobenzene	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,1,1,2-Tetrachloroethane	ND	0.0230		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Ethylbenzene	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
m,p-Xylene	ND	0.0574		mg/Kg-dry	1	5/13/2021 8:52:19 PM
o-Xylene	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Styrene	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Isopropylbenzene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Bromoform	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,1,2,2-Tetrachloroethane	ND	0.0172		mg/Kg-dry	1	5/13/2021 8:52:19 PM
n-Propylbenzene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Bromobenzene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,3,5-Trimethylbenzene	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
2-Chlorotoluene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
4-Chlorotoluene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
tert-Butylbenzene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,2,3-Trichloropropane	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,2,4-Trichlorobenzene	ND	0.0459		mg/Kg-dry	1	5/13/2021 8:52:19 PM
sec-Butylbenzene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
4-Isopropyltoluene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,3-Dichlorobenzene	ND	0.0402		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,4-Dichlorobenzene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
n-Butylbenzene	ND	0.0459		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,2-Dichlorobenzene	ND	0.0344		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,2-Dibromo-3-chloropropane	ND	0.0689		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,2,4-Trimethylbenzene	ND	0.0287		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Hexachloro-1,3-butadiene	ND	0.0574		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Naphthalene	ND	0.115		mg/Kg-dry	1	5/13/2021 8:52:19 PM
1,2,3-Trichlorobenzene	ND	0.0574		mg/Kg-dry	1	5/13/2021 8:52:19 PM
Surr: Dibromofluoromethane	98.9	81.9 - 113		%Rec	1	5/13/2021 8:52:19 PM
Surr: Toluene-d8	103	82.7 - 115		%Rec	1	5/13/2021 8:52:19 PM



Client: Aspect Consulting

Collection Date: 5/13/2021 12:10:00 PM

Project: Skanska the Eight Redevelopment

Lab ID: 2105211-003

Matrix: Soil

Client Sample ID: T8-S33-E21-165

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

Batch ID: 32299 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	97.6	87.9 - 109		%Rec	1	5/13/2021 8:52:19 PM
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Sample Moisture (Percent Moisture)

Batch ID: R67222 Analyst: KJ

Percent Moisture	9.93	0.500		wt%	1	5/13/2021 3:49:30 PM
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Client: Aspect Consulting
Project: Skanska the Eight Redevelopment
Lab ID: 2105211-004
Client Sample ID: T8-TB-03

Collection Date: 5/13/2021
Matrix: Soil

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

Batch ID: 32299 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	5/14/2021 10:27:38 AM
Chloromethane	ND	0.0800		mg/Kg	1	5/14/2021 10:27:38 AM
Vinyl chloride	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
Bromomethane	ND	0.150		mg/Kg	1	5/14/2021 10:27:38 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	5/14/2021 10:27:38 AM
Chloroethane	ND	0.120		mg/Kg	1	5/14/2021 10:27:38 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	5/14/2021 10:27:38 AM
Acetone	ND	0.500		mg/Kg	1	5/14/2021 10:27:38 AM
Methylene chloride	ND	0.0150		mg/Kg	1	5/14/2021 10:27:38 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	5/14/2021 10:27:38 AM
Chloroform	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	5/14/2021 10:27:38 AM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	5/14/2021 10:27:38 AM
Benzene	ND	0.0200		mg/Kg	1	5/14/2021 10:27:38 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	5/14/2021 10:27:38 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	5/14/2021 10:27:38 AM
Bromodichloromethane	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
Dibromomethane	ND	0.0200		mg/Kg	1	5/14/2021 10:27:38 AM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	5/14/2021 10:27:38 AM
Toluene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	5/14/2021 10:27:38 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	5/14/2021 10:27:38 AM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	5/14/2021 10:27:38 AM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	5/14/2021 10:27:38 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	5/14/2021 10:27:38 AM
Dibromochloromethane	ND	0.0200		mg/Kg	1	5/14/2021 10:27:38 AM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	5/14/2021 10:27:38 AM
methyl n-butyl ketone	ND	0.0600		mg/Kg	1	5/14/2021 10:27:38 AM
Chlorobenzene	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	5/14/2021 10:27:38 AM
Ethylbenzene	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
m,p-Xylene	ND	0.0500		mg/Kg	1	5/14/2021 10:27:38 AM
o-Xylene	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM



Client: Aspect Consulting

Collection Date: 5/13/2021

Project: Skanska the Eight Redevelopment

Lab ID: 2105211-004

Matrix: Soil

Client Sample ID: T8-TB-03

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

Batch ID: 32299

Analyst: CR

Styrene	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
Isopropylbenzene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
Bromoform	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	5/14/2021 10:27:38 AM
n-Propylbenzene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
Bromobenzene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	5/14/2021 10:27:38 AM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	5/14/2021 10:27:38 AM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
n-Butylbenzene	ND	0.0400		mg/Kg	1	5/14/2021 10:27:38 AM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	5/14/2021 10:27:38 AM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	5/14/2021 10:27:38 AM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	5/14/2021 10:27:38 AM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	5/14/2021 10:27:38 AM
Naphthalene	ND	0.100		mg/Kg	1	5/14/2021 10:27:38 AM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	5/14/2021 10:27:38 AM
Surr: Dibromofluoromethane	98.4	81.9 - 113		%Rec	1	5/14/2021 10:27:38 AM
Surr: Toluene-d8	103	82.7 - 115		%Rec	1	5/14/2021 10:27:38 AM
Surr: 1-Bromo-4-fluorobenzene	97.1	87.9 - 109		%Rec	1	5/14/2021 10:27:38 AM

Work Order: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

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

Sample ID: MB-32289	SampType: MBLK	Units: mg/Kg				Prep Date: 5/13/2021	RunNo: 67255				
Client ID: MBLKS	Batch ID: 32289					Analysis Date: 5/13/2021	SeqNo: 1355410				
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	9.56		10.00		95.6	50	150				
Surr: o-Terphenyl	9.59		10.00		95.9	50	150				

Sample ID: LCS-32289	SampType: LCS	Units: mg/Kg				Prep Date: 5/13/2021	RunNo: 67255				
Client ID: LCSS	Batch ID: 32289					Analysis Date: 5/13/2021	SeqNo: 1355411				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	525	50.0	500.0	0	105	75.7	116				
Surr: 2-Fluorobiphenyl	9.79		10.00		97.9	50	150				
Surr: o-Terphenyl	11.9		10.00		119	50	150				

Sample ID: 2105183-001ADUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 5/13/2021	RunNo: 67255				
Client ID: BATCH	Batch ID: 32289					Analysis Date: 5/13/2021	SeqNo: 1355413				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	51.6						106.2	22.6	30	
Heavy Oil	878	103						2,511	96.4	30	R
Surr: 2-Fluorobiphenyl	10.3		10.32		99.9	50	150		0		
Surr: o-Terphenyl	10.4		10.32		101	50	150		0		

NOTES:

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

Sample ID: 2105161-003AMS	SampType: MS	Units: mg/Kg				Prep Date: 5/13/2021	RunNo: 67255				
Client ID: BATCH	Batch ID: 32289					Analysis Date: 5/13/2021	SeqNo: 1355416				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	481	45.9	459.1	10.21	102	59.6	134				

Work Order: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

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

Sample ID: 2105161-003AMS	SampType: MS	Units: mg/Kg	Prep Date: 5/13/2021	RunNo: 67255							
Client ID: BATCH	Batch ID: 32289		Analysis Date: 5/13/2021	SeqNo: 1355416							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2-Fluorobiphenyl	6.32		9.183		68.8	50	150			
Surr: o-Terphenyl	7.69		9.183		83.7	50	150			

Sample ID: 2105161-003AMSD	SampType: DUP	Units: mg/Kg	Prep Date: 5/13/2021	RunNo: 67255							
Client ID: BATCH	Batch ID: 32289		Analysis Date: 5/13/2021	SeqNo: 1355417							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	47.9						0		30
Heavy Oil	ND	95.9						0		30
Total Petroleum Hydrocarbons	ND	144						0		30
Surr: 2-Fluorobiphenyl	5.53		9.588		57.7	50	150		0	
Surr: o-Terphenyl	6.78		9.588		70.7	50	150		0	

Work Order: 2105211
CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32299	SampType: LCS	Units: mg/Kg				Prep Date: 5/13/2021	RunNo: 67239				
Client ID: LCSS	Batch ID: 32299					Analysis Date: 5/13/2021	SeqNo: 1355181				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	21.8	5.00	25.00	0	87.3	65	135				
Surr: Toluene-d8	1.25		1.250		99.7	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.250		105	65	135				

Sample ID: MB-32299	SampType: MBLK	Units: mg/Kg				Prep Date: 5/13/2021	RunNo: 67239				
Client ID: MBLKS	Batch ID: 32299					Analysis Date: 5/13/2021	SeqNo: 1355182				
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		101	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		100	65	135				

Sample ID: 2105161-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 5/13/2021	RunNo: 67239				
Client ID: BATCH	Batch ID: 32299					Analysis Date: 5/13/2021	SeqNo: 1355184				
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	1.46		1.452		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.45		1.452		100	65	135		0		

Sample ID: 2105211-003BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 5/13/2021	RunNo: 67239				
Client ID: T8-S33-E21-165	Batch ID: 32299					Analysis Date: 5/13/2021	SeqNo: 1355188				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	27.7	5.74	28.70	0	96.5	65	135				
Surr: Toluene-d8	1.44		1.435		100	65	135				
Surr: 4-Bromofluorobenzene	1.49		1.435		104	65	135				

Work Order: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32299	SampType: LCS	Units: µg/L				Prep Date: 5/13/2021	RunNo: 67238				
Client ID: LCSS	Batch ID: 32299					Analysis Date: 5/13/2021	SeqNo: 1355166				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.30	0.0500	1.000	0	130	80	120				S
Chloromethane	1.06	0.0800	1.000	0	106	80	120				
Vinyl chloride	1.11	0.0250	1.000	0	111	80	120				
Bromomethane	1.09	0.150	1.000	0	109	80	120				
Trichlorofluoromethane (CFC-11)	1.03	0.0500	1.000	0	103	80	120				
Chloroethane	1.04	0.120	1.000	0	104	80	120				
1,1-Dichloroethene	1.01	0.100	1.000	0	101	80	120				
Acetone	2.98	0.500	2.500	0	119	80	120				
Methylene chloride	0.989	0.0150	1.000	0	98.9	80	120				
trans-1,2-Dichloroethene	0.987	0.0300	1.000	0	98.7	80	120				
Methyl tert-butyl ether (MTBE)	0.950	0.0300	1.000	0	95.0	80	120				
1,1-Dichloroethane	0.999	0.0250	1.000	0	99.9	80	120				
cis-1,2-Dichloroethene	0.991	0.0250	1.000	0	99.1	80	120				
(MEK) 2-Butanone	2.37	0.450	2.500	0	94.7	80	120				
Chloroform	0.996	0.0250	1.000	0	99.6	80	120				
1,1,1-Trichloroethane (TCA)	1.01	0.0250	1.000	0	101	80	120				
1,1-Dichloropropene	1.01	0.0250	1.000	0	101	80	120				
Carbon tetrachloride	1.03	0.0750	1.000	0	103	80	120				
1,2-Dichloroethane (EDC)	0.989	0.0230	1.000	0	98.9	80	120				
Benzene	1.01	0.0200	1.000	0	101	80	120				
Trichloroethene (TCE)	1.02	0.0200	1.000	0	102	80	120				
1,2-Dichloropropane	0.997	0.0200	1.000	0	99.7	80	120				
Bromodichloromethane	1.02	0.0250	1.000	0	102	80	120				
Dibromomethane	0.971	0.0200	1.000	0	97.1	80	120				
cis-1,3-Dichloropropene	1.01	0.0800	1.000	0	101	80	120				
Toluene	1.04	0.0300	1.000	0	104	80	120				
trans-1,3-Dichloropropylene	1.01	0.0500	1.000	0	101	80	120				
Methyl Isobutyl Ketone (MIBK)	2.35	0.0750	2.500	0	93.8	80	120				
1,1,2-Trichloroethane	1.01	0.0170	1.000	0	101	80	120				
1,3-Dichloropropane	1.00	0.0200	1.000	0	100	80	120				

Work Order: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32299	SampType: LCS	Units: µg/L	Prep Date: 5/13/2021	RunNo: 67238
Client ID: LCSS	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355166

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				
Dibromochloromethane	1.04	0.0200	1.000	0	104	80	120				
1,2-Dibromoethane (EDB)	0.995	0.0100	1.000	0	99.5	80	120				
methyl n-butyl ketone	2.41	0.0600	2.500	0	96.5	80	120				
Chlorobenzene	1.01	0.0250	1.000	0	101	80	120				
1,1,1,2-Tetrachloroethane	1.03	0.0200	1.000	0	103	80	120				
Ethylbenzene	1.05	0.0250	1.000	0	105	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	1.03	0.0250	1.000	0	103	80	120				
Isopropylbenzene	1.08	0.0300	1.000	0	108	80	120				
Bromoform	1.07	0.0250	1.000	0	107	80	120				
1,1,1,2,2-Tetrachloroethane	0.965	0.0150	1.000	0	96.5	80	120				
n-Propylbenzene	1.14	0.0300	1.000	0	114	80	120				
Bromobenzene	1.02	0.0300	1.000	0	102	80	120				
1,3,5-Trimethylbenzene	1.09	0.0250	1.000	0	109	80	120				
2-Chlorotoluene	1.06	0.0300	1.000	0	106	80	120				
4-Chlorotoluene	1.07	0.0300	1.000	0	107	80	120				
tert-Butylbenzene	1.07	0.0300	1.000	0	107	80	120				
1,2,3-Trichloropropane	0.998	0.0250	1.000	0	99.8	80	120				
1,2,4-Trichlorobenzene	0.949	0.0400	1.000	0	94.9	80	120				
sec-Butylbenzene	1.16	0.0300	1.000	0	116	80	120				
4-Isopropyltoluene	1.14	0.0300	1.000	0	114	80	120				
1,3-Dichlorobenzene	1.04	0.0350	1.000	0	104	80	120				
1,4-Dichlorobenzene	1.03	0.0300	1.000	0	103	80	120				
n-Butylbenzene	1.07	0.0400	1.000	0	107	80	120				
1,2-Dichlorobenzene	1.01	0.0300	1.000	0	101	80	120				
1,2-Dibromo-3-chloropropane	0.967	0.0600	1.000	0	96.7	80	120				
1,2,4-Trimethylbenzene	1.10	0.0250	1.000	0	110	80	120				
Hexachloro-1,3-butadiene	1.02	0.0500	1.000	0	102	80	120				

Work Order: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32299	SampType: LCS	Units: µg/L	Prep Date: 5/13/2021	RunNo: 67238							
Client ID: LCSS	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355166							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.905	0.100	1.000	0	90.5	80	120				
1,2,3-Trichlorobenzene	0.914	0.0500	1.000	0	91.4	80	120				
Surr: Dibromofluoromethane	1.40		1.250		112	81.9	113				
Surr: Toluene-d8	1.26		1.250		101	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.250		104	87.9	109				

NOTES:

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

Sample ID: MB-32299	SampType: MBLK	Units: mg/Kg	Prep Date: 5/13/2021	RunNo: 67238							
Client ID: MBLKS	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355167							
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: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32299	SampType: MBLK	Units: mg/Kg	Prep Date: 5/13/2021	RunNo: 67238							
Client ID: MBLKS	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355167							
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									
methyl n-butyl ketone	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: 2105211
 CLIENT: Aspect Consulting
 Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32299	SampType: MBLK	Units: mg/Kg	Prep Date: 5/13/2021	RunNo: 67238							
Client ID: MBLKS	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355167							
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	1.23		1.250		98.1	81.9	113				
Surr: Toluene-d8	1.28		1.250		103	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.5	87.9	109				

Sample ID: 2105161-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/13/2021	RunNo: 67238							
Client ID: BATCH	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355169							
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	
Chloromethane	ND	0.0929						0		30	
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: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105161-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/13/2021	RunNo: 67238
Client ID: BATCH	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355169

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0349						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0349						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	
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	0.0349						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	0.0198						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	
methyl n-butyl ketone	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: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105161-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 5/13/2021	RunNo: 67238					
Client ID: BATCH	Batch ID: 32299				Analysis Date: 5/13/2021	SeqNo: 1355169					
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	0.0349						0		30	
Bromoform	ND	0.0290						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0174						0		30	
n-Propylbenzene	ND	0.0349						0		30	
Bromobenzene	ND	0.0349						0		30	
1,3,5-Trimethylbenzene	ND	0.0290						0		30	
2-Chlorotoluene	ND	0.0349						0		30	
4-Chlorotoluene	ND	0.0349						0		30	
tert-Butylbenzene	ND	0.0349						0		30	
1,2,3-Trichloropropane	ND	0.0290						0		30	
1,2,4-Trichlorobenzene	ND	0.0465						0		30	
sec-Butylbenzene	ND	0.0349						0		30	
4-Isopropyltoluene	ND	0.0349						0		30	
1,3-Dichlorobenzene	ND	0.0407						0		30	
1,4-Dichlorobenzene	ND	0.0349						0		30	
n-Butylbenzene	ND	0.0465						0		30	
1,2-Dichlorobenzene	ND	0.0349						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	1.37		1.452		94.2	81.9	113		0		
Surr: Toluene-d8	1.49		1.452		102	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.42		1.452		97.7	87.9	109		0		

Work Order: 2105211
 CLIENT: Aspect Consulting
 Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105161-003BMS	SampType: MS	Units: mg/Kg	Prep Date: 5/13/2021	RunNo: 67238							
Client ID: BATCH	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355175							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.496	0.0498	0.9963	0	49.7	5.08	187				
Chloromethane	0.768	0.0797	0.9963	0	77.1	41.2	147				
Vinyl chloride	0.798	0.0249	0.9963	0	80.1	49.9	147				
Bromomethane	0.920	0.149	0.9963	0	92.4	47.1	182				
Trichlorofluoromethane (CFC-11)	0.876	0.0498	0.9963	0	87.9	51.7	151				
Chloroethane	0.910	0.120	0.9963	0	91.4	47.5	166				
1,1-Dichloroethene	0.926	0.0996	0.9963	0	93.0	61.3	144				
Acetone	2.91	0.498	2.491	0	117	50.2	174				
Methylene chloride	1.04	0.0149	0.9963	0	105	75.3	130				
trans-1,2-Dichloroethene	0.986	0.0299	0.9963	0	99.0	73.5	130				
Methyl tert-butyl ether (MTBE)	1.01	0.0299	0.9963	0	102	73	126				
1,1-Dichloroethane	1.04	0.0249	0.9963	0	105	71.8	135				
cis-1,2-Dichloroethene	1.04	0.0249	0.9963	0	105	77.5	127				
(MEK) 2-Butanone	2.64	0.448	2.491	0	106	48.6	166				
Chloroform	1.07	0.0249	0.9963	0	107	77.3	127				
1,1,1-Trichloroethane (TCA)	1.03	0.0249	0.9963	0	103	71.3	131				
1,1-Dichloropropene	0.991	0.0249	0.9963	0	99.5	69.8	134				
Carbon tetrachloride	1.00	0.0747	0.9963	0	101	66.1	133				
1,2-Dichloroethane (EDC)	1.05	0.0229	0.9963	0	106	73.5	128				
Benzene	1.05	0.0199	0.9963	0	106	76.8	129				
Trichloroethene (TCE)	1.06	0.0199	0.9963	0	107	70.5	140				
1,2-Dichloropropane	1.07	0.0199	0.9963	0	108	74.6	130				
Bromodichloromethane	1.09	0.0249	0.9963	0	109	76.2	121				
Dibromomethane	1.05	0.0199	0.9963	0	105	78	124				
cis-1,3-Dichloropropene	1.03	0.0797	0.9963	0	104	76	120				
Toluene	1.12	0.0299	0.9963	0	113	77.8	127				
trans-1,3-Dichloropropylene	1.07	0.0498	0.9963	0	107	73.5	121				
Methyl Isobutyl Ketone (MIBK)	2.61	0.0747	2.491	0	105	61	139				
1,1,2-Trichloroethane	1.10	0.0169	0.9963	0	111	77.7	123				
1,3-Dichloropropane	1.09	0.0199	0.9963	0	109	77.4	123				

Work Order: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105161-003BMS	SampType: MS	Units: mg/Kg	Prep Date: 5/13/2021	RunNo: 67238
Client ID: BATCH	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355175

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.06	0.0399	0.9963	0	107	70.7	131				
Dibromochloromethane	1.10	0.0199	0.9963	0	110	74.7	120				
1,2-Dibromoethane (EDB)	1.08	0.00996	0.9963	0	108	76.1	124				
methyl n-butyl ketone	2.73	0.0598	2.491	0	110	50.9	162				
Chlorobenzene	1.03	0.0249	0.9963	0	104	80.4	123				
1,1,1,2-Tetrachloroethane	1.04	0.0199	0.9963	0	105	79.5	121				
Ethylbenzene	1.08	0.0249	0.9963	0	108	78.7	130				
m,p-Xylene	2.08	0.0498	1.993	0	104	79.3	127				
o-Xylene	1.05	0.0249	0.9963	0	106	80.7	124				
Styrene	1.06	0.0249	0.9963	0	106	81.9	122				
Isopropylbenzene	1.10	0.0299	0.9963	0	110	75.7	132				
Bromoform	1.07	0.0249	0.9963	0	107	74.3	121				
1,1,2,2-Tetrachloroethane	1.01	0.0149	0.9963	0	102	60.2	136				
n-Propylbenzene	1.14	0.0299	0.9963	0	115	76.4	134				
Bromobenzene	1.04	0.0299	0.9963	0	104	80.3	122				
1,3,5-Trimethylbenzene	1.09	0.0249	0.9963	0	110	79.5	127				
2-Chlorotoluene	1.08	0.0299	0.9963	0	108	77.6	131				
4-Chlorotoluene	1.08	0.0299	0.9963	0	108	80.2	126				
tert-Butylbenzene	1.07	0.0299	0.9963	0	107	75.5	132				
1,2,3-Trichloropropane	1.02	0.0249	0.9963	0	103	70.2	126				
1,2,4-Trichlorobenzene	1.01	0.0399	0.9963	0	101	64.2	142				
sec-Butylbenzene	1.14	0.0299	0.9963	0	114	75	133				
4-Isopropyltoluene	1.14	0.0299	0.9963	0	114	74.4	133				
1,3-Dichlorobenzene	1.06	0.0349	0.9963	0	106	80.7	127				
1,4-Dichlorobenzene	1.05	0.0299	0.9963	0	106	81.9	124				
n-Butylbenzene	1.07	0.0399	0.9963	0	107	71.5	140				
1,2-Dichlorobenzene	1.03	0.0299	0.9963	0	103	83.7	122				
1,2-Dibromo-3-chloropropane	1.00	0.0598	0.9963	0	101	64.9	130				
1,2,4-Trimethylbenzene	1.11	0.0249	0.9963	0	111	79.3	127				
Hexachloro-1,3-butadiene	0.986	0.0498	0.9963	0	99.0	59.2	149				

Work Order: 2105211
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2105161-003BMS	SampType: MS	Units: mg/Kg	Prep Date: 5/13/2021	RunNo: 67238							
Client ID: BATCH	Batch ID: 32299		Analysis Date: 5/13/2021	SeqNo: 1355175							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Naphthalene	0.996	0.0996	0.9963	0	100	44.6	171				
1,2,3-Trichlorobenzene	0.973	0.0498	0.9963	0	97.7	52.6	156				
Surr: Dibromofluoromethane	1.43		1.245		115	81.9	113				S
Surr: Toluene-d8	1.34		1.245		108	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.245		104	87.9	109				

NOTES:

S - Outlying surrogate recovery(ies) observed.

Client Name: AC	Work Order Number: 2105211
Logged by: Clare Griggs	Date Received: 5/13/2021 3:06:00 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	2.0

* 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: 5/13/21 Page: 1 of 1 Laboratory Project No (Internal): 21052-11

Client: Aspect Consulting
Address: 710 2nd Ave, Ste. 555
City, State, Zip: Seattle, WA, 98104

Project Name: Skanska - The Eight Redevelopment
Project No: 180597
Collected by: Parker Call

Location: PM Email: account@aspectconsulting.com; orders@aspectconsulting.com

Report To (PM): AIP Cochrane, Amelia Oates
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 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 TB-S25-E09-166	5/13/21	0900	S	3	X		X									
2 TB-S24-E11-166		0850														
3 TB-S33-E21-165		1210			X											
4 TB-TB-03					X											
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 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) Print Name Date/Time
 x Baker Call 5/13/21 14:30
 Received (Signature) Print Name Date/Time
 x Gabrielle Cougle 5/13/21 14:31
 Requisitioned (Signature) Print Name Date/Time
 x Gabrielle Cougle 5/13/21 15:01
 Received (Signature) Print Name Date/Time
 x Diverthou 5/13/21 15:06



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: Skanska The Eight Redevelopment
Work Order Number: 2105243

May 18, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 5/17/2021 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:
Amelia Oates

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: 05/18/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2105243

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105243-001	T8-S26-E08-164	05/17/2021 11:30 AM	05/17/2021 1:35 PM

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

Original

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 5/17/2021 11:30:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2105243-001

Matrix: Soil

Client Sample ID: T8-S26-E08-164

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32330	Analyst: MM
Diesel (Fuel Oil)	ND	50.4		mg/Kg-dry	1	5/17/2021 10:02:39 PM
Heavy Oil	ND	101		mg/Kg-dry	1	5/17/2021 10:02:39 PM
Total Petroleum Hydrocarbons	ND	151		mg/Kg-dry	1	5/17/2021 10:02:39 PM
Surr: 2-Fluorobiphenyl	94.5	50 - 150		%Rec	1	5/17/2021 10:02:39 PM
Surr: o-Terphenyl	90.1	50 - 150		%Rec	1	5/17/2021 10:02:39 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32332	Analyst: CR
Gasoline	ND	4.78		mg/Kg-dry	1	5/18/2021 1:35:16 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	5/18/2021 1:35:16 AM
Surr: 4-Bromofluorobenzene	97.6	65 - 135		%Rec	1	5/18/2021 1:35:16 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67280	Analyst: KJ
Percent Moisture	8.65	0.500		wt%	1	5/17/2021 2:16:35 PM

Work Order: 2105243
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32330	SampType: MBLK	Units: mg/Kg			Prep Date: 5/17/2021	RunNo: 67300					
Client ID: MBLKS	Batch ID: 32330				Analysis Date: 5/17/2021	SeqNo: 1356852					
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	9.50		10.00		95.0	50	150				
Surr: o-Terphenyl	9.39		10.00		93.9	50	150				

Sample ID: LCS-32330	SampType: LCS	Units: mg/Kg			Prep Date: 5/17/2021	RunNo: 67300					
Client ID: LCSS	Batch ID: 32330				Analysis Date: 5/17/2021	SeqNo: 1356853					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	419	50.0	500.0	0	83.7	75.7	116				
Surr: 2-Fluorobiphenyl	9.66		10.00		96.6	50	150				
Surr: o-Terphenyl	11.2		10.00		112	50	150				

Sample ID: 2105160-002AMS	SampType: MS	Units: mg/Kg			Prep Date: 5/17/2021	RunNo: 67300					
Client ID: BATCH	Batch ID: 32330				Analysis Date: 5/17/2021	SeqNo: 1356856					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	526	47.9	479.4	54.57	98.3	59.6	134				
Surr: 2-Fluorobiphenyl	8.68		9.588		90.5	50	150				
Surr: o-Terphenyl	10.2		9.588		106	50	150				

Sample ID: 2105160-002AMSD	SampType: MSD	Units: mg/Kg			Prep Date: 5/17/2021	RunNo: 67300					
Client ID: BATCH	Batch ID: 32330				Analysis Date: 5/17/2021	SeqNo: 1356857					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	475	42.2	422.3	54.57	99.6	59.6	134	525.6	10.1	30	
Surr: 2-Fluorobiphenyl	6.84		8.446		81.0	50	150		0		
Surr: o-Terphenyl	7.92		8.446		93.8	50	150		0		

Work Order: 2105243
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2105160-002AMSD	SampType: MSD	Units: mg/Kg	Prep Date: 5/17/2021	RunNo: 67300							
Client ID: BATCH	Batch ID: 32330		Analysis Date: 5/17/2021	SeqNo: 1356857							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2105234-005ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/17/2021	RunNo: 67300							
Client ID: BATCH	Batch ID: 32330		Analysis Date: 5/17/2021	SeqNo: 1356867							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	49.6						0		30	
Heavy Oil	ND	99.1						0		30	
Total Petroleum Hydrocarbons	ND	149						0		30	
Surr: 2-Fluorobiphenyl	9.12		9.914		92.0	50	150		0		
Surr: o-Terphenyl	9.16		9.914		92.4	50	150		0		

Work Order: 2105243
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32332	SampType: LCS	Units: mg/Kg			Prep Date: 5/17/2021	RunNo: 67303					
Client ID: LCSS	Batch ID: 32332				Analysis Date: 5/17/2021	SeqNo: 1356898					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	24.0	5.00	25.00	0	96.1	65	135				
Surr: Toluene-d8	1.25		1.250		99.8	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.250		104	65	135				

Sample ID: MB-32332	SampType: MBLK	Units: mg/Kg			Prep Date: 5/17/2021	RunNo: 67303					
Client ID: MBLKS	Batch ID: 32332				Analysis Date: 5/17/2021	SeqNo: 1356899					
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		99.2	65	135				

Sample ID: 2105243-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 5/17/2021	RunNo: 67303					
Client ID: T8-S26-E08-164	Batch ID: 32332				Analysis Date: 5/18/2021	SeqNo: 1356906					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.78						0		30	
Surr: Toluene-d8	1.21		1.195		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.18		1.195		98.6	65	135		0		

Sample ID: 2105160-001BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 5/17/2021	RunNo: 67303					
Client ID: BATCH	Batch ID: 32332				Analysis Date: 5/18/2021	SeqNo: 1356908					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.36						0		30	
Stoddard Solvent/Mineral Spirits	26.4	4.36						21.54	20.5	30	R
Surr: Toluene-d8	1.08		1.090		99.1	65	135		0		
Surr: 4-Bromofluorobenzene	1.16		1.090		106	65	135		0		

Work Order: 2105243
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2105160-001BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 5/17/2021	RunNo: 67303							
Client ID: BATCH	Batch ID: 32332	Analysis Date: 5/18/2021	SeqNo: 1356908								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:

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

Sample ID: 2105210-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/17/2021	RunNo: 67303							
Client ID: BATCH	Batch ID: 32332	Analysis Date: 5/18/2021	SeqNo: 1356909								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	28.0	5.25	26.27	0	107	65	135				
Surr: Toluene-d8	1.31		1.314		100	65	135				
Surr: 4-Bromofluorobenzene	1.36		1.314		103	65	135				

Client Name: **AC**

 Work Order Number: **2105243**

 Logged by: **Clare Griggs**

 Date Received: **5/17/2021 1:35:00 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



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: 5/17/21 Page: 1 of 1

Project Name: Skanska The Eight Pedersen Terminal

Project No: 180587

Collected by: Baxter Call

Location:

Report To (PM): Ali Coltrane, Amelia Ortes

PM Email: a.coltrane@aspectconsulting.com a.ortes@aspectconsulting.com

Laboratory Project No (Internal): 2105243

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)	BTX	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 TB-526-EOB-164	5/17/21	1130	S	3		X											
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

*Matrix: A = Air, AO = 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 RCAAS 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 _____
 Relinquished (Signature) _____ Print Name _____ 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: Skanska The Eight Redevelopment
Work Order Number: 2105265**

May 19, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 6 sample(s) on 5/18/2021 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:
Amelia Oates

*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*

Revision v1

www.fremontanalytical.com

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2105265

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105265-001	T8-S25-E05-164	05/18/2021 10:25 AM	05/18/2021 3:09 PM
2105265-002	T8-S18-E07-161	05/18/2021 12:30 PM	05/18/2021 3:09 PM
2105265-003	T8-S18-E08-161	05/18/2021 12:40 PM	05/18/2021 3:09 PM
2105265-004	T8-S17-E05-161	05/18/2021 1:00 PM	05/18/2021 3:09 PM
2105265-005	T8-S20-E12-164	05/18/2021 1:10 PM	05/18/2021 3:09 PM
2105265-006	T8-S22-E12-164	05/18/2021 1:20 PM	05/18/2021 3:09 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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.

5/20/2021: Revision 1 includes correction to a sample ID.

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: 5/18/2021 10:25:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2105265-001

Matrix: Soil

Client Sample ID: T8-S25-E05-164

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32345	Analyst: MM
Diesel (Fuel Oil)	ND	53.5		mg/Kg-dry	1	5/18/2021 10:25:20 PM
Heavy Oil	ND	107		mg/Kg-dry	1	5/18/2021 10:25:20 PM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	5/18/2021 10:25:20 PM
Surr: 2-Fluorobiphenyl	78.2	50 - 150		%Rec	1	5/18/2021 10:25:20 PM
Surr: o-Terphenyl	88.3	50 - 150		%Rec	1	5/18/2021 10:25:20 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32338	Analyst: KT
Gasoline	ND	5.19		mg/Kg-dry	1	5/19/2021 3:31:07 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/19/2021 3:31:07 AM
Surr: 4-Bromofluorobenzene	98.6	65 - 135		%Rec	1	5/19/2021 3:31:07 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67326	Analyst: KJ
Percent Moisture	9.06	0.500		wt%	1	5/19/2021 9:59:11 AM



Client: Aspect Consulting

Collection Date: 5/18/2021 12:30:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105265-002

Matrix: Soil

Client Sample ID: T8-S18-E07-161

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

Batch ID: 32345 Analyst: MM

Diesel (Fuel Oil)	ND	47.2		mg/Kg-dry	1	5/18/2021 11:03:02 PM
Heavy Oil	ND	94.5		mg/Kg-dry	1	5/18/2021 11:03:02 PM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	5/18/2021 11:03:02 PM
Surr: 2-Fluorobiphenyl	77.3	50 - 150		%Rec	1	5/18/2021 11:03:02 PM
Surr: o-Terphenyl	83.8	50 - 150		%Rec	1	5/18/2021 11:03:02 PM

Gasoline by NWTPH-Gx

Batch ID: 32338 Analyst: KT

Gasoline	ND	6.13		mg/Kg-dry	1	5/19/2021 4:01:28 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/19/2021 4:01:28 AM
Surr: 4-Bromofluorobenzene	97.9	65 - 135		%Rec	1	5/19/2021 4:01:28 AM

Sample Moisture (Percent Moisture)

Batch ID: R67319 Analyst: KJ

Percent Moisture	8.81	0.500		wt%	1	5/18/2021 4:46:52 PM
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Client: Aspect Consulting

Collection Date: 5/18/2021 12:40:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105265-003

Matrix: Soil

Client Sample ID: T8-S18-E08-161

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 32345		Analyst: MM
Diesel (Fuel Oil)	ND	46.0		mg/Kg-dry	1	5/18/2021 11:15:45 PM
Heavy Oil	ND	92.0		mg/Kg-dry	1	5/18/2021 11:15:45 PM
Total Petroleum Hydrocarbons	ND	138		mg/Kg-dry	1	5/18/2021 11:15:45 PM
Surr: 2-Fluorobiphenyl	90.3	50 - 150		%Rec	1	5/18/2021 11:15:45 PM
Surr: o-Terphenyl	97.0	50 - 150		%Rec	1	5/18/2021 11:15:45 PM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 32338		Analyst: KT
Gasoline	ND	5.81		mg/Kg-dry	1	5/19/2021 4:31:47 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/19/2021 4:31:47 AM
Surr: 4-Bromofluorobenzene	98.3	65 - 135		%Rec	1	5/19/2021 4:31:47 AM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R67319		Analyst: KJ
Percent Moisture	2.20	0.500		wt%	1	5/18/2021 4:46:52 PM



Client: Aspect Consulting

Collection Date: 5/18/2021 1:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105265-004

Matrix: Soil

Client Sample ID: T8-S17-E05-161

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32345	Analyst: MM
Diesel (Fuel Oil)	ND	50.4		mg/Kg-dry	1	5/18/2021 11:28:17 PM
Heavy Oil	ND	101		mg/Kg-dry	1	5/18/2021 11:28:17 PM
Total Petroleum Hydrocarbons	ND	151		mg/Kg-dry	1	5/18/2021 11:28:17 PM
Surr: 2-Fluorobiphenyl	88.0	50 - 150		%Rec	1	5/18/2021 11:28:17 PM
Surr: o-Terphenyl	97.4	50 - 150		%Rec	1	5/18/2021 11:28:17 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32338	Analyst: KT
Gasoline	ND	8.86		mg/Kg-dry	1	5/19/2021 5:02:09 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/19/2021 5:02:09 AM
Surr: 4-Bromofluorobenzene	98.9	65 - 135		%Rec	1	5/19/2021 5:02:09 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67319	Analyst: KJ
Percent Moisture	7.88	0.500		wt%	1	5/18/2021 4:46:52 PM



Client: Aspect Consulting

Collection Date: 5/18/2021 1:10:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105265-005

Matrix: Soil

Client Sample ID: T8-S20-E12-164

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

Batch ID: 32345 Analyst: MM

Diesel (Fuel Oil)	ND	52.1		mg/Kg-dry	1	5/18/2021 11:40:52 PM
Heavy Oil	ND	104		mg/Kg-dry	1	5/18/2021 11:40:52 PM
Total Petroleum Hydrocarbons	ND	156		mg/Kg-dry	1	5/18/2021 11:40:52 PM
Surr: 2-Fluorobiphenyl	81.7	50 - 150		%Rec	1	5/18/2021 11:40:52 PM
Surr: o-Terphenyl	88.3	50 - 150		%Rec	1	5/18/2021 11:40:52 PM

Gasoline by NWTPH-Gx

Batch ID: 32338 Analyst: KT

Gasoline	ND	5.71		mg/Kg-dry	1	5/19/2021 6:02:47 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	5/19/2021 6:02:47 AM
Surr: 4-Bromofluorobenzene	98.0	65 - 135		%Rec	1	5/19/2021 6:02:47 AM

Sample Moisture (Percent Moisture)

Batch ID: R67319 Analyst: KJ

Percent Moisture	11.4	0.500		wt%	1	5/18/2021 4:46:52 PM
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Client: Aspect Consulting

Collection Date: 5/18/2021 1:20:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105265-006

Matrix: Soil

Client Sample ID: T8-S22-E12-164

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32345	Analyst: MM
Diesel (Fuel Oil)	ND	49.2		mg/Kg-dry	1	5/18/2021 11:53:26 PM
Heavy Oil	ND	98.3		mg/Kg-dry	1	5/18/2021 11:53:26 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	5/18/2021 11:53:26 PM
Surr: 2-Fluorobiphenyl	88.5	50 - 150		%Rec	1	5/18/2021 11:53:26 PM
Surr: o-Terphenyl	92.6	50 - 150		%Rec	1	5/18/2021 11:53:26 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32338	Analyst: KT
Gasoline	ND	5.54		mg/Kg-dry	1	5/19/2021 6:33:06 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/19/2021 6:33:06 AM
Surr: 4-Bromofluorobenzene	98.8	65 - 135		%Rec	1	5/19/2021 6:33:06 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67319	Analyst: KJ
Percent Moisture	11.0	0.500		wt%	1	5/18/2021 4:46:52 PM

Work Order: 2105265
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32345	SampType: MBLK	Units: mg/Kg				Prep Date: 5/18/2021	RunNo: 67331				
Client ID: MBLKS	Batch ID: 32345					Analysis Date: 5/18/2021	SeqNo: 1357481				
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	7.48		10.00		74.8	50	150				
Surr: o-Terphenyl	8.19		10.00		81.9	50	150				

Sample ID: LCS-32345	SampType: LCS	Units: mg/Kg				Prep Date: 5/18/2021	RunNo: 67331				
Client ID: LCSS	Batch ID: 32345					Analysis Date: 5/18/2021	SeqNo: 1357482				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	511	50.0	500.0	0	102	75.7	116				
Surr: 2-Fluorobiphenyl	7.84		10.00		78.4	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Sample ID: 2105265-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 5/18/2021	RunNo: 67331				
Client ID: T8-S25-E05-164	Batch ID: 32345					Analysis Date: 5/18/2021	SeqNo: 1357468				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	486	47.9	479.4	0	101	59.6	134				
Surr: 2-Fluorobiphenyl	7.98		9.587		83.2	50	150				
Surr: o-Terphenyl	10.4		9.587		109	50	150				

Sample ID: 2105265-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 5/18/2021	RunNo: 67331				
Client ID: T8-S25-E05-164	Batch ID: 32345					Analysis Date: 5/18/2021	SeqNo: 1357469				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	491	48.8	487.9	0	101	59.6	134	486.1	1.04	30	
Surr: 2-Fluorobiphenyl	7.77		9.758		79.6	50	150		0		
Surr: o-Terphenyl	10.0		9.758		103	50	150		0		

Work Order: 2105265
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2105265-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/18/2021	RunNo: 67331							
Client ID: T8-S25-E05-164	Batch ID: 32345	Analysis Date: 5/18/2021	SeqNo: 1357469								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2105272-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 5/18/2021	RunNo: 67331							
Client ID: BATCH	Batch ID: 32345	Analysis Date: 5/19/2021	SeqNo: 1357476								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	49.4						0		30	
Heavy Oil	ND	98.7						0		30	
Total Petroleum Hydrocarbons	ND	148						0		30	
Surr: 2-Fluorobiphenyl	8.14		9.871		82.5	50	150		0		
Surr: o-Terphenyl	8.27		9.871		83.8	50	150		0		

Work Order: 2105265
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32338	SampType: LCS	Units: mg/Kg			Prep Date: 5/18/2021	RunNo: 67322					
Client ID: LCSS	Batch ID: 32338				Analysis Date: 5/18/2021	SeqNo: 1357355					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.9	5.00	25.00	0	95.4	65	135				
Surr: Toluene-d8	1.24		1.250		99.2	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.250		103	65	135				

Sample ID: MB-32338	SampType: MBLK	Units: mg/Kg			Prep Date: 5/18/2021	RunNo: 67322					
Client ID: MBLKS	Batch ID: 32338				Analysis Date: 5/18/2021	SeqNo: 1357356					
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		100	65	135				
Surr: 4-Bromofluorobenzene	1.24		1.250		99.5	65	135				

Sample ID: 2105245-007BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 5/18/2021	RunNo: 67322					
Client ID: BATCH	Batch ID: 32338				Analysis Date: 5/18/2021	SeqNo: 1357360					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	2.50						0		30	
Surr: Toluene-d8	0.627		0.6261		100	65	135		0		
Surr: 4-Bromofluorobenzene	0.627		0.6261		100	65	135		0		

Sample ID: 2105265-004BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 5/18/2021	RunNo: 67322					
Client ID: T8-S17-E05-161	Batch ID: 32338				Analysis Date: 5/19/2021	SeqNo: 1357372					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	8.86						0		30	
Surr: Toluene-d8	2.23		2.215		101	65	135		0		
Surr: 4-Bromofluorobenzene	2.15		2.215		97.0	65	135		0		

Work Order: 2105265
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2105272-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 5/18/2021	RunNo: 67322							
Client ID: BATCH	Batch ID: 32338	Analysis Date: 5/19/2021	SeqNo: 1357376								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	23.6	5.81	29.03	0	81.3	65	135				
Surr: Toluene-d8	1.45		1.452		99.8	65	135				
Surr: 4-Bromofluorobenzene	1.54		1.452		106	65	135				

Client Name: **AC**

 Work Order Number: **2105265**

 Logged by: **Clare Griggs**

 Date Received: **5/18/2021 3:09:00 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	1.3

* 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: 5/18/21 Page: 1 of 1

Project Name: Skanska The Edge Redevelopment

Project No: 180897

Collected by: Baxter Call

Location: Seattle, WA, 98107

Report To (PM): Ali Cochrane, Amelia Oates

PM Email: aacochrane@skanska.com, amelia.oates@skanska.com

Laboratory Project No (Internal): 21052405

Special Remarks:

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)	BTX	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)									
1 TB-S25-E05-16Y	5/18/21	1025	S	3	X		X																		
2 TA-S18-E07-161		1230																							
3 TB-S18-E08-161		1240																							
4 TB-S17-E05-161		1300																							
5 TB-S20-E12-16Y		1310																							
6 TB-S22-E12-16Y		1320																							
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 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) *Baxter Call* Print Name **Baxter Call** Date/Time **5/18/21 14:31**

Relinquished (Signature) *Ali Cochrane* Print Name **Ali Cochrane** Date/Time **5/18/21 15:09**

Relinquished (Signature) *Amelia Oates* Print Name **Amelia Oates** Date/Time **5/18/21 14:31**

Relinquished (Signature) *Carla Johnson* Print Name **Carla Johnson** Date/Time **5/18/21 @ 15:09**

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: Skanska The Eight Redevelopment
Work Order Number: 2105369**

May 25, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 5/24/2021 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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2105369

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105369-001	T8-S24-E14-155	05/24/2021 12:05 PM	05/24/2021 3:35 PM
2105369-002	T8-S22-E14-155	05/24/2021 12:40 PM	05/24/2021 3:35 PM
2105369-003	T8-S26-E14-155	05/24/2021 1:15 PM	05/24/2021 3:35 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2105369-001

Collection Date: 5/24/2021 12:05:00 PM

Client Sample ID: T8-S24-E14-155

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: 32417

Analyst: IH

Diesel (Fuel Oil)	ND	52.2		mg/Kg-dry	1	5/25/2021 9:29:14 AM
Heavy Oil	ND	104		mg/Kg-dry	1	5/25/2021 9:29:14 AM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	5/25/2021 9:29:14 AM
Surr: 2-Fluorobiphenyl	99.7	50 - 150		%Rec	1	5/25/2021 9:29:14 AM
Surr: o-Terphenyl	98.3	50 - 150		%Rec	1	5/25/2021 9:29:14 AM

Gasoline by NWTPH-Gx

Batch ID: 32418

Analyst: CR

Gasoline	ND	5.67		mg/Kg-dry	1	5/25/2021 6:05:22 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/25/2021 6:05:22 AM
Surr: 4-Bromofluorobenzene	97.9	65 - 135		%Rec	1	5/25/2021 6:05:22 AM

Sample Moisture (Percent Moisture)

Batch ID: R67444

Analyst: KJ

Percent Moisture	9.12	0.500		wt%	1	5/24/2021 3:59:42 PM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2105369-002

Collection Date: 5/24/2021 12:40:00 PM

Client Sample ID: T8-S22-E14-155

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32417	Analyst: IH
Diesel (Fuel Oil)	ND	53.9		mg/Kg-dry	1	5/24/2021 11:11:40 PM
Heavy Oil	ND	108		mg/Kg-dry	1	5/24/2021 11:11:40 PM
Total Petroleum Hydrocarbons	ND	162		mg/Kg-dry	1	5/24/2021 11:11:40 PM
Surr: 2-Fluorobiphenyl	95.8	50 - 150		%Rec	1	5/24/2021 11:11:40 PM
Surr: o-Terphenyl	94.2	50 - 150		%Rec	1	5/24/2021 11:11:40 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32418	Analyst: CR
Gasoline	ND	6.13		mg/Kg-dry	1	5/25/2021 6:35:40 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/25/2021 6:35:40 AM
Surr: 4-Bromofluorobenzene	98.9	65 - 135		%Rec	1	5/25/2021 6:35:40 AM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67444	Analyst: KJ
Percent Moisture	11.1	0.500		wt%	1	5/24/2021 3:59:42 PM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2105369-003

Collection Date: 5/24/2021 1:15:00 PM

Client Sample ID: T8-S26-E14-155

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32417	Analyst: IH
Diesel (Fuel Oil)	ND	50.5		mg/Kg-dry	1	5/24/2021 11:24:14 PM
Heavy Oil	ND	101		mg/Kg-dry	1	5/24/2021 11:24:14 PM
Total Petroleum Hydrocarbons	ND	151		mg/Kg-dry	1	5/24/2021 11:24:14 PM
Surr: 2-Fluorobiphenyl	97.7	50 - 150		%Rec	1	5/24/2021 11:24:14 PM
Surr: o-Terphenyl	95.7	50 - 150		%Rec	1	5/24/2021 11:24:14 PM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32418	Analyst: CR
Gasoline	ND	4.94		mg/Kg-dry	1	5/25/2021 7:36:04 AM
Surr: Toluene-d8	103	65 - 135		%Rec	1	5/25/2021 7:36:04 AM
Surr: 4-Bromofluorobenzene	98.6	65 - 135		%Rec	1	5/25/2021 7:36:04 AM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67444	Analyst: KJ
Percent Moisture	7.62	0.500		wt%	1	5/24/2021 3:59:42 PM

Work Order: 2105369
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32417	SampType: MBLK	Units: mg/Kg				Prep Date: 5/24/2021	RunNo: 67466				
Client ID: MBLKS	Batch ID: 32417					Analysis Date: 5/24/2021	SeqNo: 1360443				
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	10.6		10.00		106	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Sample ID: LCS-32417	SampType: LCS	Units: mg/Kg				Prep Date: 5/24/2021	RunNo: 67466				
Client ID: LCSS	Batch ID: 32417					Analysis Date: 5/24/2021	SeqNo: 1360444				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	503	50.0	500.0	0	101	75.7	116				
Surr: 2-Fluorobiphenyl	10.0		10.00		100	50	150				
Surr: o-Terphenyl	12.0		10.00		120	50	150				

Sample ID: 2105369-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 5/24/2021	RunNo: 67466				
Client ID: T8-S24-E14-155	Batch ID: 32417					Analysis Date: 5/24/2021	SeqNo: 1360446				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	465	47.1	471.0	0	98.7	59.6	134				
Surr: 2-Fluorobiphenyl	9.42		9.421		100	50	150				
Surr: o-Terphenyl	10.0		9.421		107	50	150				

Sample ID: 2105369-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 5/24/2021	RunNo: 67466				
Client ID: T8-S24-E14-155	Batch ID: 32417					Analysis Date: 5/24/2021	SeqNo: 1360447				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	490	51.7	516.6	0	94.8	59.6	134	464.8	5.26	30	
Surr: 2-Fluorobiphenyl	10.5		10.33		102	50	150		0		
Surr: o-Terphenyl	12.2		10.33		118	50	150		0		



Date: 5/25/2021

Work Order: 2105369
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2105369-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/24/2021	RunNo: 67466							
Client ID: T8-S24-E14-155	Batch ID: 32417	Analysis Date: 5/24/2021	SeqNo: 1360447								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2105369
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32418	SampType: LCS	Units: mg/Kg			Prep Date: 5/24/2021	RunNo: 67463					
Client ID: LCSS	Batch ID: 32418				Analysis Date: 5/25/2021	SeqNo: 1360556					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.9	5.00	25.00	0	95.7	65	135				
Surr: Toluene-d8	1.26		1.250		100	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.250		105	65	135				

Sample ID: MB-32418	SampType: MBLK	Units: mg/Kg			Prep Date: 5/24/2021	RunNo: 67463					
Client ID: MBLKS	Batch ID: 32418				Analysis Date: 5/25/2021	SeqNo: 1360557					
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	1.23		1.250		98.2	65	135				

Sample ID: 2105369-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 5/24/2021	RunNo: 67463					
Client ID: T8-S22-E14-155	Batch ID: 32418				Analysis Date: 5/25/2021	SeqNo: 1360560					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.13						0		30	
Surr: Toluene-d8	1.56		1.531		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.50		1.531		97.9	65	135		0		

Sample ID: 2105369-003BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 5/24/2021	RunNo: 67463					
Client ID: T8-S26-E14-155	Batch ID: 32418				Analysis Date: 5/25/2021	SeqNo: 1360562					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	19.8	4.94	24.70	0	80.0	65	135				
Surr: Toluene-d8	1.24		1.235		100	65	135				
Surr: 4-Bromofluorobenzene	1.32		1.235		107	65	135				

Client Name: AC	Work Order Number: 2105369
Logged by: Gabrielle Coeuille	Date Received: 5/24/2021 3:35:00 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: 5/24/21 Page: () of ()

Project Name: Skanska The Edge + Redevelopment

Project No: 180587

Collected by: Baxter Gill

Location:

Report To (PM): Ali Cochran, Amlic Ores

PM Email: acochrane@skanska.com
aoc@skanska.com

Laboratory Project No (Internal): 21053109

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)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 - SIM)	Metals** (EPA 6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (801)	Comments
1 TB-524-E14-155	5/24/21	1205	S	3		X		X									
2 TB-522-E14-155		1240															
3 TB-526-E14-155		1315															
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.

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

Relinquished (Signature) *Baxter Gill* Print Name *Baxter Gill* Date/Time *5/24/21 1530*

Relinquished (Signature) *[Signature]* Print Name *Matthew [Signature]* Date/Time *5/24/21 1530*



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: Skanska The Eight Redevelopment
Work Order Number: 2105383

May 26, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 5/25/2021 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)

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:
Amelia Oates

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



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2105383

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105383-001	T8-S17-E11-150	05/25/2021 8:30 AM	05/25/2021 10:04 AM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 5/25/2021 8:30:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2105383-001

Matrix: Soil

Client Sample ID: T8-S17-E11-150

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

Batch ID: 32431

Analyst: MM

Diesel (Fuel Oil)	ND	48.7		mg/Kg-dry	1	5/25/2021 12:48:52 PM
Heavy Oil	ND	97.4		mg/Kg-dry	1	5/25/2021 12:48:52 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	5/25/2021 12:48:52 PM
Surr: 2-Fluorobiphenyl	90.3	50 - 150		%Rec	1	5/25/2021 12:48:52 PM
Surr: o-Terphenyl	93.0	50 - 150		%Rec	1	5/25/2021 12:48:52 PM

Gasoline by NWTPH-Gx

Batch ID: 32434

Analyst: KT

Gasoline	ND	5.36		mg/Kg-dry	1	5/26/2021 7:41:33 AM
Surr: Toluene-d8	96.4	65 - 135		%Rec	1	5/26/2021 7:41:33 AM
Surr: 4-Bromofluorobenzene	105	65 - 135		%Rec	1	5/26/2021 7:41:33 AM

Sample Moisture (Percent Moisture)

Batch ID: R67467

Analyst: CJ

Percent Moisture	8.41	0.500		wt%	1	5/25/2021 11:18:12 AM
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Work Order: 2105383
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32431	SampType: MBLK	Units: mg/Kg				Prep Date: 5/25/2021	RunNo: 67487				
Client ID: MBLKS	Batch ID: 32431					Analysis Date: 5/25/2021	SeqNo: 1360892				
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	9.34		10.00		93.4	50	150				
Surr: o-Terphenyl	9.61		10.00		96.1	50	150				

Sample ID: LCS-32431	SampType: LCS	Units: mg/Kg				Prep Date: 5/25/2021	RunNo: 67487				
Client ID: LCSS	Batch ID: 32431					Analysis Date: 5/25/2021	SeqNo: 1360893				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	489	50.0	500.0	0	97.7	75.7	116				
Surr: 2-Fluorobiphenyl	9.74		10.00		97.4	50	150				
Surr: o-Terphenyl	11.7		10.00		117	50	150				

Sample ID: 2105383-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 5/25/2021	RunNo: 67487				
Client ID: T8-S17-E11-150	Batch ID: 32431					Analysis Date: 5/25/2021	SeqNo: 1360895				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	450	48.7	487.0	0	92.4	59.6	134				
Surr: 2-Fluorobiphenyl	7.82		9.740		80.3	50	150				
Surr: o-Terphenyl	9.97		9.740		102	50	150				

Sample ID: 2105383-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 5/25/2021	RunNo: 67487				
Client ID: T8-S17-E11-150	Batch ID: 32431					Analysis Date: 5/25/2021	SeqNo: 1360896				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	479	50.0	500.4	0	95.7	59.6	134	449.8	6.28	30	
Surr: 2-Fluorobiphenyl	8.09		10.01		80.8	50	150		0		
Surr: o-Terphenyl	10.2		10.01		102	50	150		0		



Date: 5/26/2021

Work Order: 2105383
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2105383-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/25/2021	RunNo: 67487							
Client ID: T8-S17-E11-150	Batch ID: 32431	Analysis Date: 5/25/2021	SeqNo: 1360896								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2105383
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32434	SampType: LCS	Units: mg/Kg			Prep Date: 5/25/2021	RunNo: 67496					
Client ID: LCSS	Batch ID: 32434				Analysis Date: 5/25/2021	SeqNo: 1361203					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	22.3	5.00	25.00	0	89.2	65	135				
Surr: Toluene-d8	1.24		1.250		98.8	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.250		105	65	135				

Sample ID: MB-32434	SampType: MBLK	Units: mg/Kg			Prep Date: 5/25/2021	RunNo: 67496					
Client ID: MBLKS	Batch ID: 32434				Analysis Date: 5/25/2021	SeqNo: 1361204					
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		100	65	135				
Surr: 4-Bromofluorobenzene	1.20		1.250		95.6	65	135				

Sample ID: 2105245-002BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 5/25/2021	RunNo: 67496					
Client ID: BATCH	Batch ID: 32434				Analysis Date: 5/25/2021	SeqNo: 1361206					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.13						0		30	
Gasoline Range Organics (C6-C12)	14.1	5.13						13.00	8.20	30	Q
Surr: Toluene-d8	1.30		1.281		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.26		1.281		98.7	65	135		0		

NOTES:

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

Sample ID: 2105343-003BMS	SampType: MS	Units: mg/Kg			Prep Date: 5/25/2021	RunNo: 67496					
Client ID: BATCH	Batch ID: 32434				Analysis Date: 5/25/2021	SeqNo: 1361212					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	281	2.01	10.07	242.7	378	65	135				SE
Surr: Toluene-d8	0.496		0.5033		98.5	65	135				
Surr: 4-Bromofluorobenzene	0.593		0.5033		118	65	135				

Work Order: 2105383
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2105343-003BMS	SampType: MS	Units: mg/Kg	Prep Date: 5/25/2021	RunNo: 67496							
Client ID: BATCH	Batch ID: 32434	Analysis Date: 5/25/2021	SeqNo: 1361212								
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).
- E - Estimated value. The amount exceeds the linear working range of the instrument.

Client Name: **AC**

 Work Order Number: **2105383**

 Logged by: **Clare Griggs**

 Date Received: **5/25/2021 10:04:00 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	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: 5/25/21 Page: 1 of 1

Project Name: Sierra T & T - Eight Residential

Project No: 180887

Collected by: Baxter Gill

Location:

Report To (PM): AP: Coahoma, Pamela Oates

PM Email: oatpam@aspectconsulting.com

Laboratory Project No (Internal): 2105383

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 (DY)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 / 625)	Metals** (EPA 8082 / 608)	Total (T) Dissolved (D)	Anions (C)***	EDB (801)	Comments
1 TB-517-E11-150	5/25/21	0830	S	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 Sp 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) Baxter Gill Print Name Baxter Gill Date/Time 5/25/21 0930

Relinquished (Signature) [Signature] Print Name [Signature] Date/Time 5/25/21 10:04

Relinquished (Signature) [Signature] Print Name [Signature] Date/Time 5/25/21 9:31



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Skanska The Eight Redevelopment

Work Order Number: 2105397

May 26, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 5/25/2021 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)

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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2105397

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105397-001	T8-S17-E08-150	05/25/2021 1:35 PM	05/25/2021 3:31 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 5/25/2021 1:35:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2105397-001

Matrix: Soil

Client Sample ID: T8-S17-E08-150

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

Batch ID: 32431

Analyst: MM

Diesel (Fuel Oil)	ND	53.1		mg/Kg-dry	1	5/25/2021 7:48:46 PM
Heavy Oil	ND	106		mg/Kg-dry	1	5/25/2021 7:48:46 PM
Total Petroleum Hydrocarbons	ND	159		mg/Kg-dry	1	5/25/2021 7:48:46 PM
Surr: 2-Fluorobiphenyl	74.8	50 - 150		%Rec	1	5/25/2021 7:48:46 PM
Surr: o-Terphenyl	79.0	50 - 150		%Rec	1	5/25/2021 7:48:46 PM

Gasoline by NWTPH-Gx

Batch ID: 32434

Analyst: KT

Gasoline	ND	5.80		mg/Kg-dry	1	5/26/2021 8:11:45 AM
Surr: Toluene-d8	96.1	65 - 135		%Rec	1	5/26/2021 8:11:45 AM
Surr: 4-Bromofluorobenzene	105	65 - 135		%Rec	1	5/26/2021 8:11:45 AM

Sample Moisture (Percent Moisture)

Batch ID: R67494

Analyst: KJ

Percent Moisture	8.14	0.500		wt%	1	5/25/2021 4:20:30 PM
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Work Order: 2105397
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32431	SampType: MBLK	Units: mg/Kg				Prep Date: 5/25/2021	RunNo: 67487				
Client ID: MBLKS	Batch ID: 32431					Analysis Date: 5/25/2021	SeqNo: 1360892				
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	9.34		10.00		93.4	50	150				
Surr: o-Terphenyl	9.61		10.00		96.1	50	150				

Sample ID: LCS-32431	SampType: LCS	Units: mg/Kg				Prep Date: 5/25/2021	RunNo: 67487				
Client ID: LCSS	Batch ID: 32431					Analysis Date: 5/25/2021	SeqNo: 1360893				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	489	50.0	500.0	0	97.7	75.7	116				
Surr: 2-Fluorobiphenyl	9.74		10.00		97.4	50	150				
Surr: o-Terphenyl	11.7		10.00		117	50	150				

Sample ID: 2105383-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 5/25/2021	RunNo: 67487				
Client ID: BATCH	Batch ID: 32431					Analysis Date: 5/25/2021	SeqNo: 1360895				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	450	48.7	487.0	0	92.4	59.6	134				
Surr: 2-Fluorobiphenyl	7.82		9.740		80.3	50	150				
Surr: o-Terphenyl	9.97		9.740		102	50	150				

Sample ID: 2105383-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 5/25/2021	RunNo: 67487				
Client ID: BATCH	Batch ID: 32431					Analysis Date: 5/25/2021	SeqNo: 1360896				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	479	50.0	500.4	0	95.7	59.6	134	449.8	6.28	30	
Surr: 2-Fluorobiphenyl	8.09		10.01		80.8	50	150		0		
Surr: o-Terphenyl	10.2		10.01		102	50	150		0		

Work Order: 2105397
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2105383-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 5/25/2021	RunNo: 67487							
Client ID: BATCH	Batch ID: 32431		Analysis Date: 5/25/2021	SeqNo: 1360896							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2105397
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32434	SampType: LCS	Units: mg/Kg	Prep Date: 5/25/2021	RunNo: 67496							
Client ID: LCSS	Batch ID: 32434		Analysis Date: 5/25/2021	SeqNo: 1361203							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	22.3	5.00	25.00	0	89.2	65	135				
Surr: Toluene-d8	1.24		1.250		98.8	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.250		105	65	135				

Sample ID: MB-32434	SampType: MBLK	Units: mg/Kg	Prep Date: 5/25/2021	RunNo: 67496							
Client ID: MBLKS	Batch ID: 32434		Analysis Date: 5/25/2021	SeqNo: 1361204							
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		100	65	135				
Surr: 4-Bromofluorobenzene	1.20		1.250		95.6	65	135				

Sample ID: 2105245-002BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 5/25/2021	RunNo: 67496							
Client ID: BATCH	Batch ID: 32434		Analysis Date: 5/25/2021	SeqNo: 1361206							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.13						0		30	
Gasoline Range Organics (C6-C12)	14.1	5.13						13.00	8.20	30	Q
Surr: Toluene-d8	1.30		1.281		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.26		1.281		98.7	65	135		0		

NOTES:

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

Sample ID: 2105343-003BMS	SampType: MS	Units: mg/Kg	Prep Date: 5/25/2021	RunNo: 67496							
Client ID: BATCH	Batch ID: 32434		Analysis Date: 5/25/2021	SeqNo: 1361212							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	281	2.01	10.07	242.7	378	65	135				SE
Surr: Toluene-d8	0.496		0.5033		98.5	65	135				
Surr: 4-Bromofluorobenzene	0.593		0.5033		118	65	135				

Work Order: 2105397
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2105343-003BMS	SampType: MS	Units: mg/Kg	Prep Date: 5/25/2021	RunNo: 67496							
Client ID: BATCH	Batch ID: 32434	Analysis Date: 5/25/2021	SeqNo: 1361212								
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).
- E - Estimated value. The amount exceeds the linear working range of the instrument.

Client Name: **AC**

 Work Order Number: **2105397**

 Logged by: **Gabrielle Coeuille**

 Date Received: **5/25/2021 3:07:28 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	2.9

* 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: 5/25/21 Page: 1 of 1

Project Name: Skanska The Eighth Redevelopment

Project No: 18058-1

Collected by: Baxter Call

Location:

Report To (PM): Ali Godarone Amelie Oakes

PM Email: aalichrome@aspect-analytical.com aalichrome@aspect-analytical.com

Laboratory Project No (Internal): 2105397

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 (C)***	EDB (8011)	Comments
1 TB-517-EGE-150	5/25/21	1335	S	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): 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 _____

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 (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: Skanska The Eight Redevelopment
Work Order Number: 2106058**

June 08, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 6/3/2021 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
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
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:
Amelia Oates

*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: 06/08/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2106058

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106058-001	T8-TB-03	06/03/2021 12:00 PM	06/03/2021 3:09 PM
2106058-002	T8-S29-E21-165	06/03/2021 9:35 AM	06/03/2021 3:09 PM
2106058-003	T8-S25-E21-165	06/03/2021 1:40 PM	06/03/2021 3:09 PM

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

Original

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment
Lab ID: 2106058-001
Client Sample ID: T8-TB-03

Collection Date: 6/3/2021 12:00:00 PM
Matrix: Soil

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

Batch ID: 32573 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0539		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Chloromethane	ND	0.0862		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Vinyl chloride	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Bromomethane	ND	0.162	Q	mg/Kg-dry	1	6/7/2021 5:09:29 PM
Trichlorofluoromethane (CFC-11)	ND	0.0539		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Chloroethane	ND	0.129		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,1-Dichloroethene	ND	0.108		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Acetone	ND	0.539		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Methylene chloride	ND	0.0162		mg/Kg-dry	1	6/7/2021 5:09:29 PM
trans-1,2-Dichloroethene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Methyl tert-butyl ether (MTBE)	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,1-Dichloroethane	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
cis-1,2-Dichloroethene	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
(MEK) 2-Butanone	ND	0.485		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Chloroform	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,1,1-Trichloroethane (TCA)	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,1-Dichloropropene	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Carbon tetrachloride	ND	0.0808		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,2-Dichloroethane (EDC)	ND	0.0248		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Benzene	ND	0.0215		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Trichloroethene (TCE)	ND	0.0215		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,2-Dichloropropane	ND	0.0215		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Bromodichloromethane	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Dibromomethane	ND	0.0215		mg/Kg-dry	1	6/7/2021 5:09:29 PM
cis-1,3-Dichloropropene	ND	0.0862		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Toluene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Trans-1,3-Dichloropropylene	ND	0.0539		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0808		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,1,2-Trichloroethane	ND	0.0183		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,3-Dichloropropane	ND	0.0215		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Tetrachloroethene (PCE)	ND	0.0431		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Dibromochloromethane	ND	0.0215		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,2-Dibromoethane (EDB)	ND	0.0108		mg/Kg-dry	1	6/7/2021 5:09:29 PM
2-Hexanone (MBK)	ND	0.0646		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Chlorobenzene	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,1,1,2-Tetrachloroethane	ND	0.0215		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Ethylbenzene	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
m,p-Xylene	ND	0.0539		mg/Kg-dry	1	6/7/2021 5:09:29 PM
o-Xylene	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM



Client: Aspect Consulting

Collection Date: 6/3/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2106058-001

Matrix: Soil

Client Sample ID: T8-TB-03

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

Batch ID: 32573

Analyst: KT

Styrene	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Isopropylbenzene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Bromoform	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,1,2,2-Tetrachloroethane	ND	0.0162		mg/Kg-dry	1	6/7/2021 5:09:29 PM
n-Propylbenzene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Bromobenzene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,3,5-Trimethylbenzene	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
2-Chlorotoluene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
4-Chlorotoluene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
tert-Butylbenzene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,2,3-Trichloropropane	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,2,4-Trichlorobenzene	ND	0.0431		mg/Kg-dry	1	6/7/2021 5:09:29 PM
sec-Butylbenzene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
4-Isopropyltoluene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,3-Dichlorobenzene	ND	0.0377		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,4-Dichlorobenzene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
n-Butylbenzene	ND	0.0431		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,2-Dichlorobenzene	ND	0.0323		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,2-Dibromo-3-chloropropane	ND	0.0646		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,2,4-Trimethylbenzene	ND	0.0269		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Hexachloro-1,3-butadiene	ND	0.0539		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Naphthalene	ND	0.108		mg/Kg-dry	1	6/7/2021 5:09:29 PM
1,2,3-Trichlorobenzene	ND	0.0539		mg/Kg-dry	1	6/7/2021 5:09:29 PM
Surr: Dibromofluoromethane	100	81.9 - 113		%Rec	1	6/7/2021 5:09:29 PM
Surr: Toluene-d8	101	82.7 - 115		%Rec	1	6/7/2021 5:09:29 PM
Surr: 1-Bromo-4-fluorobenzene	94.5	87.9 - 109		%Rec	1	6/7/2021 5:09:29 PM

NOTES:

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



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106058-002
Client Sample ID: T8-S29-E21-165

Collection Date: 6/3/2021 9:35:00 AM
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: 32536 Analyst: MM

Diesel (Fuel Oil)	ND	48.0		mg/Kg-dry	1	6/3/2021 9:06:04 PM
Heavy Oil	ND	96.1		mg/Kg-dry	1	6/3/2021 9:06:04 PM
Total Petroleum Hydrocarbons	ND	144		mg/Kg-dry	1	6/3/2021 9:06:04 PM
Surr: 2-Fluorobiphenyl	90.5	50 - 150		%Rec	1	6/3/2021 9:06:04 PM
Surr: o-Terphenyl	88.6	50 - 150		%Rec	1	6/3/2021 9:06:04 PM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32554 Analyst: SB

Naphthalene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
2-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
1-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Acenaphthylene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Acenaphthene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Fluorene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Phenanthrene	ND	40.5		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Anthracene	ND	40.5		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Fluoranthene	ND	40.5		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Pyrene	ND	40.5		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Benz(a)anthracene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Chrysene	ND	40.5		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Benzo(b)fluoranthene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Benzo(k)fluoranthene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Benzo(a)pyrene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Indeno(1,2,3-cd)pyrene	ND	40.5		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Dibenz(a,h)anthracene	ND	40.5		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Benzo(g,h,i)perylene	ND	20.3		µg/Kg-dry	1	6/4/2021 5:25:11 PM
Surr: 2-Fluorobiphenyl	95.9	19 - 135		%Rec	1	6/4/2021 5:25:11 PM
Surr: Terphenyl-d14 (surr)	112	42.9 - 156		%Rec	1	6/4/2021 5:25:11 PM

Gasoline by NWTPH-Gx

Batch ID: 32527 Analyst: CR

Gasoline	ND	6.12		mg/Kg-dry	1	6/3/2021 9:39:55 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	6/3/2021 9:39:55 PM
Surr: 4-Bromofluorobenzene	95.6	65 - 135		%Rec	1	6/3/2021 9:39:55 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32573 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0612		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Chloromethane	ND	0.0979		mg/Kg-dry	1	6/7/2021 5:39:35 PM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106058-002
Client Sample ID: T8-S29-E21-165

Collection Date: 6/3/2021 9:35:00 AM
Matrix: Soil

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

Batch ID: 32573

Analyst: KT

Vinyl chloride	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Bromomethane	ND	0.183	Q	mg/Kg-dry	1	6/7/2021 5:39:35 PM
Trichlorofluoromethane (CFC-11)	ND	0.0612		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Chloroethane	ND	0.147		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,1-Dichloroethene	ND	0.122		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Acetone	ND	0.612		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Methylene chloride	ND	0.0183		mg/Kg-dry	1	6/7/2021 5:39:35 PM
trans-1,2-Dichloroethene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Methyl tert-butyl ether (MTBE)	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,1-Dichloroethane	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
cis-1,2-Dichloroethene	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
(MEK) 2-Butanone	ND	0.550		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Chloroform	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,1,1-Trichloroethane (TCA)	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,1-Dichloropropene	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Carbon tetrachloride	ND	0.0917		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,2-Dichloroethane (EDC)	ND	0.0281		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Benzene	ND	0.0245		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Trichloroethene (TCE)	ND	0.0245		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,2-Dichloropropane	ND	0.0245		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Bromodichloromethane	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Dibromomethane	ND	0.0245		mg/Kg-dry	1	6/7/2021 5:39:35 PM
cis-1,3-Dichloropropene	ND	0.0979		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Toluene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Trans-1,3-Dichloropropylene	ND	0.0612		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0917		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,1,2-Trichloroethane	ND	0.0208		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,3-Dichloropropane	ND	0.0245		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Tetrachloroethene (PCE)	ND	0.0489		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Dibromochloromethane	ND	0.0245		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,2-Dibromoethane (EDB)	ND	0.0122		mg/Kg-dry	1	6/7/2021 5:39:35 PM
2-Hexanone (MBK)	ND	0.0734		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Chlorobenzene	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,1,1,2-Tetrachloroethane	ND	0.0245		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Ethylbenzene	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
m,p-Xylene	ND	0.0612		mg/Kg-dry	1	6/7/2021 5:39:35 PM
o-Xylene	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Styrene	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Isopropylbenzene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106058-002
Client Sample ID: T8-S29-E21-165

Collection Date: 6/3/2021 9:35:00 AM
Matrix: Soil

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

Batch ID: 32573 Analyst: KT

Bromoform	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,1,2,2-Tetrachloroethane	ND	0.0183		mg/Kg-dry	1	6/7/2021 5:39:35 PM
n-Propylbenzene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Bromobenzene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,3,5-Trimethylbenzene	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
2-Chlorotoluene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
4-Chlorotoluene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
tert-Butylbenzene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,2,3-Trichloropropane	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,2,4-Trichlorobenzene	ND	0.0489		mg/Kg-dry	1	6/7/2021 5:39:35 PM
sec-Butylbenzene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
4-Isopropyltoluene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,3-Dichlorobenzene	ND	0.0428		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,4-Dichlorobenzene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
n-Butylbenzene	ND	0.0489		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,2-Dichlorobenzene	ND	0.0367		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,2-Dibromo-3-chloropropane	ND	0.0734		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,2,4-Trimethylbenzene	ND	0.0306		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Hexachloro-1,3-butadiene	ND	0.0612		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Naphthalene	ND	0.122		mg/Kg-dry	1	6/7/2021 5:39:35 PM
1,2,3-Trichlorobenzene	ND	0.0612		mg/Kg-dry	1	6/7/2021 5:39:35 PM
Surr: Dibromofluoromethane	99.8	81.9 - 113		%Rec	1	6/7/2021 5:39:35 PM
Surr: Toluene-d8	101	82.7 - 115		%Rec	1	6/7/2021 5:39:35 PM
Surr: 1-Bromo-4-fluorobenzene	95.6	87.9 - 109		%Rec	1	6/7/2021 5:39:35 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32549 Analyst: LB

Mercury	ND	0.270		mg/Kg-dry	1	6/4/2021 12:30:18 PM
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Total Metals by EPA Method 6020B

Batch ID: 32553 Analyst: EH

Arsenic	3.65	0.104		mg/Kg-dry	1	6/4/2021 2:05:21 PM
Barium	67.8	0.520		mg/Kg-dry	1	6/4/2021 2:05:21 PM
Cadmium	ND	0.173		mg/Kg-dry	1	6/4/2021 2:05:21 PM
Chromium	28.4	0.347		mg/Kg-dry	1	6/4/2021 2:05:21 PM
Lead	6.49	0.173		mg/Kg-dry	1	6/4/2021 2:05:21 PM
Selenium	0.970	0.173		mg/Kg-dry	1	6/4/2021 2:05:21 PM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106058-002
Client Sample ID: T8-S29-E21-165

Collection Date: 6/3/2021 9:35:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Total Metals by EPA Method 6020B</u>				Batch ID: 32553		Analyst: EH
Silver	ND	0.130		mg/Kg-dry	1	6/4/2021 2:05:21 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R67700		Analyst: OK
Percent Moisture	12.6			wt%	1	6/3/2021 4:15:00 PM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106058-003
Client Sample ID: T8-S25-E21-165

Collection Date: 6/3/2021 1:40:00 PM
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: 32536 Analyst: MM

Diesel (Fuel Oil)	ND	48.6		mg/Kg-dry	1	6/3/2021 9:18:49 PM
Heavy Oil	ND	97.1		mg/Kg-dry	1	6/3/2021 9:18:49 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	6/3/2021 9:18:49 PM
Surr: 2-Fluorobiphenyl	90.2	50 - 150		%Rec	1	6/3/2021 9:18:49 PM
Surr: o-Terphenyl	89.2	50 - 150		%Rec	1	6/3/2021 9:18:49 PM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32554 Analyst: SB

Naphthalene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
2-Methylnaphthalene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
1-Methylnaphthalene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Acenaphthylene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Acenaphthene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Fluorene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Phenanthrene	ND	40.1		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Anthracene	ND	40.1		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Fluoranthene	ND	40.1		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Pyrene	ND	40.1		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Benz(a)anthracene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Chrysene	ND	40.1		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Benzo(b)fluoranthene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Benzo(k)fluoranthene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Benzo(a)pyrene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Indeno(1,2,3-cd)pyrene	ND	40.1		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Dibenz(a,h)anthracene	ND	40.1		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Benzo(g,h,i)perylene	ND	20.0		µg/Kg-dry	1	6/4/2021 6:29:52 PM
Surr: 2-Fluorobiphenyl	95.7	19 - 135		%Rec	1	6/4/2021 6:29:52 PM
Surr: Terphenyl-d14 (surr)	110	42.9 - 156		%Rec	1	6/4/2021 6:29:52 PM

Gasoline by NWTPH-Gx

Batch ID: 32527 Analyst: CR

Gasoline	ND	6.49		mg/Kg-dry	1	6/3/2021 10:10:02 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	6/3/2021 10:10:02 PM
Surr: 4-Bromofluorobenzene	94.9	65 - 135		%Rec	1	6/3/2021 10:10:02 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32573 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0649		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Chloromethane	ND	0.104		mg/Kg-dry	1	6/7/2021 6:09:42 PM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106058-003
Client Sample ID: T8-S25-E21-165

Collection Date: 6/3/2021 1:40:00 PM
Matrix: Soil

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

Batch ID: 32573 Analyst: KT

Vinyl chloride	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Bromomethane	ND	0.195	Q	mg/Kg-dry	1	6/7/2021 6:09:42 PM
Trichlorofluoromethane (CFC-11)	ND	0.0649		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Chloroethane	ND	0.156		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,1-Dichloroethene	ND	0.130		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Acetone	ND	0.649		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Methylene chloride	ND	0.0195		mg/Kg-dry	1	6/7/2021 6:09:42 PM
trans-1,2-Dichloroethene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Methyl tert-butyl ether (MTBE)	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,1-Dichloroethane	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
cis-1,2-Dichloroethene	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
(MEK) 2-Butanone	ND	0.584		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Chloroform	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,1,1-Trichloroethane (TCA)	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,1-Dichloropropene	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Carbon tetrachloride	ND	0.0974		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,2-Dichloroethane (EDC)	ND	0.0299		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Benzene	ND	0.0260		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Trichloroethene (TCE)	ND	0.0260		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,2-Dichloropropane	ND	0.0260		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Bromodichloromethane	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Dibromomethane	ND	0.0260		mg/Kg-dry	1	6/7/2021 6:09:42 PM
cis-1,3-Dichloropropene	ND	0.104		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Toluene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Trans-1,3-Dichloropropylene	ND	0.0649		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0974		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,1,2-Trichloroethane	ND	0.0221		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,3-Dichloropropane	ND	0.0260		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Tetrachloroethene (PCE)	ND	0.0519		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Dibromochloromethane	ND	0.0260		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,2-Dibromoethane (EDB)	ND	0.0130		mg/Kg-dry	1	6/7/2021 6:09:42 PM
2-Hexanone (MBK)	ND	0.0779		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Chlorobenzene	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,1,1,2-Tetrachloroethane	ND	0.0260		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Ethylbenzene	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
m,p-Xylene	ND	0.0649		mg/Kg-dry	1	6/7/2021 6:09:42 PM
o-Xylene	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Styrene	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Isopropylbenzene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106058-003
Client Sample ID: T8-S25-E21-165

Collection Date: 6/3/2021 1:40:00 PM
Matrix: Soil

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

Batch ID: 32573 Analyst: KT

Bromoform	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,1,2,2-Tetrachloroethane	ND	0.0195		mg/Kg-dry	1	6/7/2021 6:09:42 PM
n-Propylbenzene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Bromobenzene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,3,5-Trimethylbenzene	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
2-Chlorotoluene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
4-Chlorotoluene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
tert-Butylbenzene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,2,3-Trichloropropane	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,2,4-Trichlorobenzene	ND	0.0519		mg/Kg-dry	1	6/7/2021 6:09:42 PM
sec-Butylbenzene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
4-Isopropyltoluene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,3-Dichlorobenzene	ND	0.0454		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,4-Dichlorobenzene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
n-Butylbenzene	ND	0.0519		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,2-Dichlorobenzene	ND	0.0389		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,2-Dibromo-3-chloropropane	ND	0.0779		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,2,4-Trimethylbenzene	ND	0.0325		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Hexachloro-1,3-butadiene	ND	0.0649		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Naphthalene	ND	0.130		mg/Kg-dry	1	6/7/2021 6:09:42 PM
1,2,3-Trichlorobenzene	ND	0.0649		mg/Kg-dry	1	6/7/2021 6:09:42 PM
Surr: Dibromofluoromethane	101	81.9 - 113		%Rec	1	6/7/2021 6:09:42 PM
Surr: Toluene-d8	102	82.7 - 115		%Rec	1	6/7/2021 6:09:42 PM
Surr: 1-Bromo-4-fluorobenzene	95.8	87.9 - 109		%Rec	1	6/7/2021 6:09:42 PM

NOTES:

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

Mercury by EPA Method 7471

Batch ID: 32549 Analyst: LB

Mercury	ND	0.272		mg/Kg-dry	1	6/4/2021 12:31:54 PM
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Total Metals by EPA Method 6020B

Batch ID: 32553 Analyst: EH

Arsenic	2.87	0.0964		mg/Kg-dry	1	6/4/2021 2:33:08 PM
Barium	59.9	0.482		mg/Kg-dry	1	6/4/2021 2:33:08 PM
Cadmium	ND	0.161		mg/Kg-dry	1	6/4/2021 2:33:08 PM
Chromium	28.3	0.321		mg/Kg-dry	1	6/4/2021 2:33:08 PM
Lead	2.10	0.161		mg/Kg-dry	1	6/4/2021 2:33:08 PM
Selenium	1.34	0.161		mg/Kg-dry	1	6/4/2021 2:33:08 PM



Client: Aspect Consulting

Collection Date: 6/3/2021 1:40:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2106058-003

Matrix: Soil

Client Sample ID: T8-S25-E21-165

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32553 Analyst: EH

Silver	ND	0.120		mg/Kg-dry	1	6/4/2021 2:33:08 PM
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Sample Moisture (Percent Moisture)

Batch ID: R67700 Analyst: OK

Percent Moisture	9.78			wt%	1	6/3/2021 4:15:00 PM
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Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-32553	SampType: MBLK	Units: mg/Kg	Prep Date: 6/4/2021	RunNo: 67714							
Client ID: MBLKS	Batch ID: 32553		Analysis Date: 6/4/2021	SeqNo: 1366016							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0968									
Barium	ND	0.484									
Cadmium	ND	0.161									
Chromium	ND	0.323									
Lead	ND	0.161									
Selenium	ND	0.161									
Silver	ND	0.121									

Sample ID: LCS-32553	SampType: LCS	Units: mg/Kg	Prep Date: 6/4/2021	RunNo: 67714							
Client ID: LCSS	Batch ID: 32553		Analysis Date: 6/4/2021	SeqNo: 1366017							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	36.2	0.0902	37.59	0	96.4	80	120				
Barium	36.7	0.451	37.59	0	97.6	80	120				
Cadmium	2.05	0.150	1.880	0	109	80	120				
Chromium	39.9	0.301	37.59	0	106	80	120				
Lead	18.4	0.150	18.80	0	97.7	80	120				
Selenium	3.46	0.150	3.759	0	92.1	80	120				
Silver	2.02	0.113	1.880	0	107	80	120				

Sample ID: 2106058-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/4/2021	RunNo: 67714							
Client ID: T8-S29-E21-165	Batch ID: 32553		Analysis Date: 6/4/2021	SeqNo: 1366020							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	50.4	0.106	44.34	3.651	105	75	125				
Barium	114	0.532	44.34	67.84	105	75	125				
Cadmium	2.42	0.177	2.217	0.08446	105	75	125				
Chromium	82.0	0.355	44.34	28.37	121	75	125				
Lead	28.5	0.177	22.17	6.487	99.2	75	125				

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2106058-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/4/2021	RunNo: 67714							
Client ID: T8-S29-E21-165	Batch ID: 32553	Analysis Date: 6/4/2021	SeqNo: 1366020								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	5.53	0.177	4.434	0.9696	103	75	125				
Silver	2.28	0.133	2.217	0.06435	99.7	75	125				

Sample ID: 2106058-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/4/2021	RunNo: 67714							
Client ID: T8-S29-E21-165	Batch ID: 32553	Analysis Date: 6/4/2021	SeqNo: 1366021								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	52.3	0.106	44.34	3.651	110	75	125	50.41	3.60	20	
Barium	113	0.532	44.34	67.84	102	75	125	114.2	0.963	20	
Cadmium	2.43	0.177	2.217	0.08446	106	75	125	2.423	0.112	20	
Chromium	83.6	0.355	44.34	28.37	125	75	125	82.02	1.89	20	
Lead	29.7	0.177	22.17	6.487	105	75	125	28.48	4.17	20	
Selenium	5.47	0.177	4.434	0.9696	101	75	125	5.530	1.15	20	
Silver	2.21	0.133	2.217	0.06435	96.6	75	125	2.275	3.12	20	

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-32549	SampType: MBLK	Units: mg/Kg	Prep Date: 6/4/2021	RunNo: 67713							
Client ID: MBLKS	Batch ID: 32549	Analysis Date: 6/4/2021	SeqNo: 1365931								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-32549	SampType: LCS	Units: mg/Kg	Prep Date: 6/4/2021	RunNo: 67713							
Client ID: LCSS	Batch ID: 32549	Analysis Date: 6/4/2021	SeqNo: 1365932								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.482 0.250 0.5000 0 96.4 80 120

Sample ID: 2105503-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/4/2021	RunNo: 67713							
Client ID: BATCH	Batch ID: 32549	Analysis Date: 6/4/2021	SeqNo: 1365934								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.262 0 20

Sample ID: 2105503-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/4/2021	RunNo: 67713							
Client ID: BATCH	Batch ID: 32549	Analysis Date: 6/4/2021	SeqNo: 1365935								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.538 0.272 0.5441 0.01460 96.1 70 130

Sample ID: 2105503-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/4/2021	RunNo: 67713							
Client ID: BATCH	Batch ID: 32549	Analysis Date: 6/4/2021	SeqNo: 1365936								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.500 0.252 0.5045 0.01460 96.3 70 130 0.5376 7.14 20

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32536	SampType: MBLK	Units: mg/Kg				Prep Date: 6/3/2021	RunNo: 67701				
Client ID: MBLKS	Batch ID: 32536					Analysis Date: 6/3/2021	SeqNo: 1365571				
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	9.57		10.00		95.7	50	150				
Surr: o-Terphenyl	9.11		10.00		91.1	50	150				

Sample ID: LCS-32536	SampType: LCS	Units: mg/Kg				Prep Date: 6/3/2021	RunNo: 67701				
Client ID: LCSS	Batch ID: 32536					Analysis Date: 6/3/2021	SeqNo: 1365572				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	507	50.0	500.0	0	101	75.7	116				
Surr: 2-Fluorobiphenyl	9.61		10.00		96.1	50	150				
Surr: o-Terphenyl	11.1		10.00		111	50	150				

Sample ID: 2106039-002AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 6/3/2021	RunNo: 67701				
Client ID: BATCH	Batch ID: 32536					Analysis Date: 6/3/2021	SeqNo: 1365574				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	442	54.6	545.9	14.87	78.3	59.6	134				
Surr: 2-Fluorobiphenyl	9.76		10.92		89.4	50	150				
Surr: o-Terphenyl	11.3		10.92		103	50	150				

Sample ID: 2106039-002AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 6/3/2021	RunNo: 67701				
Client ID: BATCH	Batch ID: 32536					Analysis Date: 6/3/2021	SeqNo: 1365575				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	501	58.0	580.4	14.87	83.7	59.6	134	442.1	12.4	30	
Surr: 2-Fluorobiphenyl	10.7		11.61		92.2	50	150		0		
Surr: o-Terphenyl	12.5		11.61		107	50	150		0		



Date: 6/8/2021

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2106039-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/3/2021	RunNo: 67701							
Client ID: BATCH	Batch ID: 32536	Analysis Date: 6/3/2021	SeqNo: 1365575								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2106058
CLIENT: Aspect Consulting
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QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-32554	SampType: MBLK	Units: µg/Kg	Prep Date: 6/4/2021	RunNo: 67730							
Client ID: MBLKS	Batch ID: 32554		Analysis Date: 6/4/2021	SeqNo: 1366212							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
Acenaphthylene	ND	20.0									
Acenaphthene	ND	20.0									
Fluorene	ND	20.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
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									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2-Fluorobiphenyl	1,040		1,000		104	19	135				
Surr: Terphenyl-d14 (surr)	1,230		1,000		123	42.9	156				

Sample ID: LCS-32554	SampType: LCS	Units: µg/Kg	Prep Date: 6/4/2021	RunNo: 67730							
Client ID: LCSS	Batch ID: 32554		Analysis Date: 6/4/2021	SeqNo: 1366213							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Naphthalene	1,750	20.0	2,000	0	87.6	62.7	127				
2-Methylnaphthalene	1,760	20.0	2,000	0	88.1	62.7	132				
1-Methylnaphthalene	1,790	20.0	2,000	0	89.4	61.4	131				
Acenaphthylene	1,790	20.0	2,000	0	89.4	62	132				
Acenaphthene	1,710	20.0	2,000	0	85.4	59.2	132				

Work Order: 2106058
CLIENT: Aspect Consulting
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QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCS-32554	SampType: LCS	Units: µg/Kg	Prep Date: 6/4/2021	RunNo: 67730							
Client ID: LCSS	Batch ID: 32554		Analysis Date: 6/4/2021	SeqNo: 1366213							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,820	20.0	2,000	0	91.1	59.1	136				
Phenanthrene	1,800	40.0	2,000	0	89.8	54.1	139				
Anthracene	1,830	40.0	2,000	0	91.7	55.5	136				
Fluoranthene	1,850	40.0	2,000	0	92.7	52.8	149				
Pyrene	1,780	40.0	2,000	0	89.0	53.6	146				
Benz(a)anthracene	1,860	20.0	2,000	0	93.2	49.7	153				
Chrysene	1,760	40.0	2,000	0	88.2	52.6	147				
Benzo(b)fluoranthene	1,860	20.0	2,000	0	93.1	50.6	151				
Benzo(k)fluoranthene	1,760	20.0	2,000	0	88.0	47.1	155				
Benzo(a)pyrene	1,970	20.0	2,000	0	98.6	48.3	169				
Indeno(1,2,3-cd)pyrene	1,810	40.0	2,000	0	90.7	52.3	145				
Dibenz(a,h)anthracene	1,860	40.0	2,000	0	92.9	53	144				
Benzo(g,h,i)perylene	1,680	20.0	2,000	0	84.2	49.7	144				
Surr: 2-Fluorobiphenyl	1,070		1,000		107	19	135				
Surr: Terphenyl-d14 (surr)	1,200		1,000		120	42.9	156				

Sample ID: 2106058-002AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 6/4/2021	RunNo: 67730							
Client ID: T8-S29-E21-165	Batch ID: 32554		Analysis Date: 6/4/2021	SeqNo: 1366218							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,550	20.4	2,037	0	76.1	26.5	126				
2-Methylnaphthalene	1,570	20.4	2,037	0	77.2	40.5	117				
1-Methylnaphthalene	1,610	20.4	2,037	0	78.9	37	118				
Acenaphthylene	1,630	20.4	2,037	0	80.2	34.6	121				
Acenaphthene	1,530	20.4	2,037	0	75.2	36.9	114				
Fluorene	1,640	20.4	2,037	0	80.5	36.5	120				
Phenanthrene	1,630	40.7	2,037	0	79.9	29.2	124				
Anthracene	1,650	40.7	2,037	0	81.1	32.9	127				
Fluoranthene	1,690	40.7	2,037	0	82.8	33.2	130				
Pyrene	1,620	40.7	2,037	0	79.3	32	128				

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2106058-002AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 6/4/2021	RunNo: 67730							
Client ID: T8-S29-E21-165	Batch ID: 32554		Analysis Date: 6/4/2021	SeqNo: 1366218							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,680	20.4	2,037	0	82.3	33	134				
Chrysene	1,600	40.7	2,037	0	78.4	33.1	123				
Benzo(b)fluoranthene	1,640	20.4	2,037	0	80.3	36.3	126				
Benzo(k)fluoranthene	1,470	20.4	2,037	0	72.1	33.2	131				
Benzo(a)pyrene	1,630	20.4	2,037	0	80.2	36.2	148				
Indeno(1,2,3-cd)pyrene	1,330	40.7	2,037	0	65.3	32.8	124				
Dibenz(a,h)anthracene	1,400	40.7	2,037	0	68.7	31.4	126				
Benzo(g,h,i)perylene	1,110	20.4	2,037	0	54.7	25.3	122				
Surr: 2-Fluorobiphenyl	954		1,019		93.7	19	135				
Surr: Terphenyl-d14 (surr)	1,090		1,019		107	42.9	156				

Sample ID: 2106058-002AMSD	SampType: MSD	Units: µg/Kg-dry	Prep Date: 6/4/2021	RunNo: 67730							
Client ID: T8-S29-E21-165	Batch ID: 32554		Analysis Date: 6/4/2021	SeqNo: 1366219							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,370	21.5	2,152	0	63.6	26.5	126	1,550	12.4	30	
2-Methylnaphthalene	1,390	21.5	2,152	0	64.4	40.5	117	1,574	12.6	30	
1-Methylnaphthalene	1,430	21.5	2,152	0	66.4	37	118	1,608	11.8	30	
Acenaphthylene	1,440	21.5	2,152	0	66.7	34.6	121	1,634	12.9	30	
Acenaphthene	1,350	21.5	2,152	0	62.8	36.9	114	1,532	12.4	30	
Fluorene	1,450	21.5	2,152	0	67.5	36.5	120	1,640	12.1	30	
Phenanthrene	1,420	43.0	2,152	0	65.8	29.2	124	1,627	13.9	30	
Anthracene	1,450	43.0	2,152	0	67.5	32.9	127	1,652	12.9	30	
Fluoranthene	1,470	43.0	2,152	0	68.5	33.2	130	1,687	13.5	30	
Pyrene	1,410	43.0	2,152	0	65.6	32	128	1,615	13.5	30	
Benzo(a)anthracene	1,480	21.5	2,152	0	68.7	33	134	1,677	12.5	30	
Chrysene	1,400	43.0	2,152	0	64.8	33.1	123	1,596	13.4	30	
Benzo(b)fluoranthene	1,450	21.5	2,152	0	67.3	36.3	126	1,635	12.1	30	
Benzo(k)fluoranthene	1,270	21.5	2,152	0	59.1	33.2	131	1,470	14.4	30	
Benzo(a)pyrene	1,440	21.5	2,152	0	66.7	36.2	148	1,633	12.9	30	

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2106058-002AMSD	SampType: MSD	Units: µg/Kg-dry				Prep Date: 6/4/2021	RunNo: 67730				
Client ID: T8-S29-E21-165	Batch ID: 32554					Analysis Date: 6/4/2021	SeqNo: 1366219				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,210	43.0	2,152	0	56.3	32.8	124	1,330	9.34	30	
Dibenz(a,h)anthracene	1,270	43.0	2,152	0	58.8	31.4	126	1,400	10.0	30	
Benzo(g,h,i)perylene	1,030	21.5	2,152	0	47.9	25.3	122	1,114	7.67	30	
Surr: 2-Fluorobiphenyl	835		1,076		77.6	19	135		0		
Surr: Terphenyl-d14 (surr)	928		1,076		86.3	42.9	156		0		

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32527	SampType: LCS	Units: mg/Kg				Prep Date: 6/3/2021	RunNo: 67693				
Client ID: LCSS	Batch ID: 32527					Analysis Date: 6/3/2021	SeqNo: 1365471				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	22.1	5.00	25.00	0	88.5	65	135				
Surr: Toluene-d8	1.29		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.27		1.250		102	65	135				

Sample ID: MB-32527	SampType: MBLK	Units: mg/Kg				Prep Date: 6/3/2021	RunNo: 67693				
Client ID: MBLKS	Batch ID: 32527					Analysis Date: 6/3/2021	SeqNo: 1365472				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.28		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.20		1.250		95.9	65	135				

Sample ID: 2105501-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 6/3/2021	RunNo: 67693				
Client ID: BATCH	Batch ID: 32527					Analysis Date: 6/3/2021	SeqNo: 1365672				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	6.27						0		30	
Surr: Toluene-d8	1.64		1.567		105	65	135		0		
Surr: 4-Bromofluorobenzene	1.52		1.567		97.0	65	135		0		

Sample ID: 2105502-001BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 6/3/2021	RunNo: 67693				
Client ID: BATCH	Batch ID: 32527					Analysis Date: 6/3/2021	SeqNo: 1365675				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	26.3	4.51	22.54	0	117	65	135				
Surr: Toluene-d8	1.15		1.127		102	65	135				
Surr: 4-Bromofluorobenzene	1.14		1.127		101	65	135				

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2106054-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/3/2021	RunNo: 67693							
Client ID: BATCH	Batch ID: 32527	Analysis Date: 6/3/2021	SeqNo: 1365681								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.01						0		30	
Surr: Toluene-d8	1.28		1.252		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.21		1.252		96.8	65	135		0		

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32573	SampType: LCS	Units: mg/Kg	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: LCSS	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367169							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.876	0.0500	1.000	0	87.6	-3.88	173				
Chloromethane	0.943	0.0800	1.000	0	94.3	39.5	138				
Vinyl chloride	0.991	0.0250	1.000	0	99.1	41.9	145				
Bromomethane	0.778	0.150	1.000	0	77.8	63.4	160				
Trichlorofluoromethane (CFC-11)	0.998	0.0500	1.000	0	99.8	32.4	158				
Chloroethane	0.973	0.120	1.000	0	97.3	40.1	160				
1,1-Dichloroethene	1.02	0.100	1.000	0	102	62.1	135				
Acetone	2.60	0.500	2.500	0	104	45.8	168				
Methylene chloride	1.02	0.0150	1.000	0	102	65.6	137				
trans-1,2-Dichloroethene	1.01	0.0300	1.000	0	101	65.4	137				
Methyl tert-butyl ether (MTBE)	0.988	0.0300	1.000	0	98.8	48.1	157				
1,1-Dichloroethane	1.05	0.0250	1.000	0	105	61.9	142				
cis-1,2-Dichloroethene	1.04	0.0250	1.000	0	104	81.9	124				
(MEK) 2-Butanone	2.62	0.450	2.500	0	105	56	144				
Chloroform	1.04	0.0250	1.000	0	104	79.3	127				
1,1,1-Trichloroethane (TCA)	1.04	0.0250	1.000	0	104	81.4	121				
1,1-Dichloropropene	1.02	0.0250	1.000	0	102	76.4	127				
Carbon tetrachloride	1.04	0.0750	1.000	0	104	68.6	130				
1,2-Dichloroethane (EDC)	1.00	0.0230	1.000	0	100	70.1	137				
Benzene	1.01	0.0200	1.000	0	101	82.4	123				
Trichloroethene (TCE)	1.00	0.0200	1.000	0	100	79	130				
1,2-Dichloropropane	1.02	0.0200	1.000	0	102	80.3	121				
Bromodichloromethane	1.04	0.0250	1.000	0	104	72.8	124				
Dibromomethane	1.01	0.0200	1.000	0	101	77.2	122				
cis-1,3-Dichloropropene	1.01	0.0800	1.000	0	101	75.1	121				
Toluene	1.00	0.0300	1.000	0	100	82.2	125				
Trans-1,3-Dichloropropylene	1.01	0.0500	1.000	0	101	73.9	122				
Methyl Isobutyl Ketone (MIBK)	2.35	0.0750	2.500	0	93.9	47.1	154				
1,1,2-Trichloroethane	0.966	0.0170	1.000	0	96.6	76.2	123				
1,3-Dichloropropane	0.988	0.0200	1.000	0	98.8	67.2	131				

Work Order: 2106058
CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32573	SampType: LCS	Units: mg/Kg	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: LCSS	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367169							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.997	0.0400	1.000	0	99.7	77.2	128				
Dibromochloromethane	1.02	0.0200	1.000	0	102	63.3	129				
1,2-Dibromoethane (EDB)	0.975	0.0100	1.000	0	97.5	75.1	124				
2-Hexanone (MBK)	2.40	0.0600	2.500	0	95.9	40.5	170				
Chlorobenzene	1.01	0.0250	1.000	0	101	88.6	115				
1,1,1,2-Tetrachloroethane	0.970	0.0200	1.000	0	97.0	80.8	120				
Ethylbenzene	1.02	0.0250	1.000	0	102	80.1	133				
m,p-Xylene	2.05	0.0500	2.000	0	102	80	129				
o-Xylene	1.02	0.0250	1.000	0	102	73.4	131				
Styrene	1.01	0.0250	1.000	0	101	77.4	125				
Isopropylbenzene	1.02	0.0300	1.000	0	102	76.7	132				
Bromoform	0.995	0.0250	1.000	0	99.5	69.7	127				
1,1,1,2,2-Tetrachloroethane	0.959	0.0150	1.000	0	95.9	62.8	132				
n-Propylbenzene	1.02	0.0300	1.000	0	102	77.2	134				
Bromobenzene	1.00	0.0300	1.000	0	100	77.2	125				
1,3,5-Trimethylbenzene	1.01	0.0250	1.000	0	101	79.8	125				
2-Chlorotoluene	1.01	0.0300	1.000	0	101	78.3	127				
4-Chlorotoluene	1.01	0.0300	1.000	0	101	79.9	123				
tert-Butylbenzene	1.00	0.0300	1.000	0	100	74.7	132				
1,2,3-Trichloropropane	1.01	0.0250	1.000	0	101	65.9	128				
1,2,4-Trichlorobenzene	0.986	0.0400	1.000	0	98.6	78.5	129				
sec-Butylbenzene	1.00	0.0300	1.000	0	100	73.8	135				
4-Isopropyltoluene	1.01	0.0300	1.000	0	101	73.9	134				
1,3-Dichlorobenzene	1.02	0.0350	1.000	0	102	86.6	123				
1,4-Dichlorobenzene	1.01	0.0300	1.000	0	101	85.7	122				
n-Butylbenzene	1.04	0.0400	1.000	0	104	80.1	130				
1,2-Dichlorobenzene	1.02	0.0300	1.000	0	102	90.3	117				
1,2-Dibromo-3-chloropropane	1.04	0.0600	1.000	0	104	66.1	131				
1,2,4-Trimethylbenzene	1.01	0.0250	1.000	0	101	83	124				
Hexachloro-1,3-butadiene	0.993	0.0500	1.000	0	99.3	70.9	135				

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CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32573	SampType: LCS	Units: mg/Kg	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: LCSS	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367169							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.962	0.100	1.000	0	96.2	53.8	164				
1,2,3-Trichlorobenzene	0.946	0.0500	1.000	0	94.6	75.8	131				
Surr: Dibromofluoromethane	1.32		1.250		105	89.7	114				
Surr: Toluene-d8	1.27		1.250		101	85.2	113				
Surr: 1-Bromo-4-fluorobenzene	1.31		1.250		105	91.6	111				

Sample ID: MB-32573	SampType: MBLK	Units: mg/Kg	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: MBLKS	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367168							
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									
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: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32573	SampType: MBLK	Units: mg/Kg	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: MBLKS	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367168							
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: 2106058
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32573	SampType: MBLK	Units: mg/Kg	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: MBLKS	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367168							
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	1.23		1.250		98.3	81.9	113				
Surr: Toluene-d8	1.27		1.250		102	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.250		94.8	87.9	109				

NOTES:

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

Sample ID: 2106072-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: BATCH	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367158							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0540						0		30	
Chloromethane	ND	0.0864						0		30	
Vinyl chloride	ND	0.0270						0		30	
Bromomethane	ND	0.162						0		30	Q
Trichlorofluoromethane (CFC-11)	ND	0.0540						0		30	
Chloroethane	ND	0.130						0		30	
1,1-Dichloroethene	ND	0.108						0		30	
Acetone	ND	0.540						0		30	
Methylene chloride	ND	0.0162						0		30	



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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106072-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: BATCH	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367158							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0324						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0324						0		30	
1,1-Dichloroethane	ND	0.0270						0		30	
cis-1,2-Dichloroethene	ND	0.0270						0		30	
(MEK) 2-Butanone	ND	0.486						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	0.0810						0		30	
1,2-Dichloroethane (EDC)	ND	0.0248						0		30	
Benzene	ND	0.0216						0		30	
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	0.0864						0		30	
Toluene	ND	0.0324						0		30	
Trans-1,3-Dichloropropylene	ND	0.0540						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0810						0		30	
1,1,2-Trichloroethane	ND	0.0184						0		30	
1,3-Dichloropropane	ND	0.0216						0		30	
Tetrachloroethene (PCE)	ND	0.0432						0		30	
Dibromochloromethane	ND	0.0216						0		30	
1,2-Dibromoethane (EDB)	ND	0.0108						0		30	
2-Hexanone (MBK)	ND	0.0648						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	0.0540						0		30	
o-Xylene	ND	0.0270						0		30	

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Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106072-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: BATCH	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367158							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Styrene	ND	0.0270						0		30	
Isopropylbenzene	ND	0.0324						0		30	
Bromoform	ND	0.0270						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0162						0		30	
n-Propylbenzene	ND	0.0324						0		30	
Bromobenzene	ND	0.0324						0		30	
1,3,5-Trimethylbenzene	ND	0.0270						0		30	
2-Chlorotoluene	ND	0.0324						0		30	
4-Chlorotoluene	ND	0.0324						0		30	
tert-Butylbenzene	ND	0.0324						0		30	
1,2,3-Trichloropropane	ND	0.0270						0		30	
1,2,4-Trichlorobenzene	ND	0.0432						0		30	
sec-Butylbenzene	ND	0.0324						0		30	
4-Isopropyltoluene	ND	0.0324						0		30	
1,3-Dichlorobenzene	ND	0.0378						0		30	
1,4-Dichlorobenzene	ND	0.0324						0		30	
n-Butylbenzene	ND	0.0432						0		30	
1,2-Dichlorobenzene	ND	0.0324						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0648						0		30	
1,2,4-Trimethylbenzene	ND	0.0270						0		30	
Hexachloro-1,3-butadiene	ND	0.0540						0		30	
Naphthalene	ND	0.108						0		30	
1,2,3-Trichlorobenzene	ND	0.0540						0		30	
Surr: Dibromofluoromethane	1.35		1.349		100	81.9	113		0		
Surr: Toluene-d8	1.37		1.349		101	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.31		1.349		96.9	87.9	109		0		

NOTES:

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

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106072-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: BATCH	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367161							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	0.857	0.0573	1.147	0	74.7	-3.88	173				
Chloromethane	0.956	0.0917	1.147	0	83.3	39.5	138				
Vinyl chloride	1.15	0.0287	1.147	0	100	41.9	145				
Bromomethane	1.05	0.172	1.147	0	91.1	63.4	160				
Trichlorofluoromethane (CFC-11)	1.15	0.0573	1.147	0	101	32.4	158				
Chloroethane	1.19	0.138	1.147	0	104	40.1	160				
1,1-Dichloroethene	1.18	0.115	1.147	0	103	62.1	135				
Acetone	3.40	0.573	2.867	0	119	45.8	168				
Methylene chloride	1.22	0.0172	1.147	0	107	65.6	137				
trans-1,2-Dichloroethene	1.21	0.0344	1.147	0	106	65.4	137				
Methyl tert-butyl ether (MTBE)	1.20	0.0344	1.147	0	105	48.1	157				
1,1-Dichloroethane	1.23	0.0287	1.147	0	107	61.9	142				
cis-1,2-Dichloroethene	1.21	0.0287	1.147	0	106	81.9	124				
(MEK) 2-Butanone	3.36	0.516	2.867	0	117	56	144				
Chloroform	1.21	0.0287	1.147	0	105	79.3	127				
1,1,1-Trichloroethane (TCA)	1.20	0.0287	1.147	0	105	81.4	121				
1,1-Dichloropropene	1.25	0.0287	1.147	0	109	76.4	127				
Carbon tetrachloride	1.21	0.0860	1.147	0	105	68.6	130				
1,2-Dichloroethane (EDC)	1.19	0.0264	1.147	0	104	70.1	137				
Benzene	1.22	0.0229	1.147	0	106	82.4	123				
Trichloroethene (TCE)	1.21	0.0229	1.147	0	105	79	130				
1,2-Dichloropropane	1.23	0.0229	1.147	0	107	80.3	121				
Bromodichloromethane	1.20	0.0287	1.147	0	105	72.8	124				
Dibromomethane	1.21	0.0229	1.147	0	106	77.2	122				
cis-1,3-Dichloropropene	1.15	0.0917	1.147	0	101	75.1	121				
Toluene	1.20	0.0344	1.147	0	105	82.2	125				
Trans-1,3-Dichloropropylene	1.16	0.0573	1.147	0	101	73.9	122				
Methyl Isobutyl Ketone (MIBK)	2.95	0.0860	2.867	0	103	47.1	154				
1,1,2-Trichloroethane	1.14	0.0195	1.147	0	99.6	76.2	123				
1,3-Dichloropropane	1.18	0.0229	1.147	0	103	67.2	131				

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Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106072-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: BATCH	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367161							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.19	0.0459	1.147	0	103	77.2	128				
Dibromochloromethane	1.18	0.0229	1.147	0	103	63.3	129				
1,2-Dibromoethane (EDB)	1.17	0.0115	1.147	0	102	75.1	124				
2-Hexanone (MBK)	3.01	0.0688	2.867	0	105	40.5	170				
Chlorobenzene	1.17	0.0287	1.147	0	102	88.6	115				
1,1,1,2-Tetrachloroethane	1.15	0.0229	1.147	0	100	80.8	120				
Ethylbenzene	1.19	0.0287	1.147	0	104	80.1	133				
m,p-Xylene	2.37	0.0573	2.293	0	103	80	129				
o-Xylene	1.18	0.0287	1.147	0	103	73.4	131				
Styrene	1.18	0.0287	1.147	0	103	77.4	125				
Isopropylbenzene	1.18	0.0344	1.147	0	103	76.7	132				
Bromoform	1.16	0.0287	1.147	0	101	69.7	127				
1,1,1,2,2-Tetrachloroethane	1.16	0.0172	1.147	0	101	62.8	132				
n-Propylbenzene	1.19	0.0344	1.147	0	104	77.2	134				
Bromobenzene	1.18	0.0344	1.147	0	103	77.2	125				
1,3,5-Trimethylbenzene	1.18	0.0287	1.147	0	103	79.8	125				
2-Chlorotoluene	1.17	0.0344	1.147	0	102	78.3	127				
4-Chlorotoluene	1.18	0.0344	1.147	0	103	79.9	123				
tert-Butylbenzene	1.17	0.0344	1.147	0	102	74.7	132				
1,2,3-Trichloropropane	1.14	0.0287	1.147	0	99.7	65.9	128				
1,2,4-Trichlorobenzene	1.24	0.0459	1.147	0	108	78.5	129				
sec-Butylbenzene	1.19	0.0344	1.147	0	104	73.8	135				
4-Isopropyltoluene	1.18	0.0344	1.147	0	103	73.9	134				
1,3-Dichlorobenzene	1.19	0.0401	1.147	0	104	86.6	123				
1,4-Dichlorobenzene	1.19	0.0344	1.147	0	104	85.7	122				
n-Butylbenzene	1.22	0.0459	1.147	0	106	80.1	130				
1,2-Dichlorobenzene	1.21	0.0344	1.147	0	106	90.3	117				
1,2-Dibromo-3-chloropropane	1.26	0.0688	1.147	0	110	66.1	131				
1,2,4-Trimethylbenzene	1.17	0.0287	1.147	0	102	83	124				
Hexachloro-1,3-butadiene	1.20	0.0573	1.147	0	104	70.9	135				

Work Order: 2106058
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106072-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/7/2021	RunNo: 67773							
Client ID: BATCH	Batch ID: 32573		Analysis Date: 6/7/2021	SeqNo: 1367161							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.26	0.115	1.147	0	109	53.8	164				
1,2,3-Trichlorobenzene	1.23	0.0573	1.147	0	107	75.8	131				
Surr: Dibromofluoromethane	1.49		1.433		104	81.9	113				
Surr: Toluene-d8	1.46		1.433		102	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.47		1.433		103	87.9	109				

Client Name: **AC**

 Work Order Number: **2106058**

 Logged by: **Gabrielle Coeuille**

 Date Received: **6/3/2021 3:09:00 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	0.8

* 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: 6/3/21 Page: 1 of 1 Laboratory Project No (Internal): 21010058

Project Name: Skanska T- Eight Redevelopment

Project No: 180587

Collected by: Barber Paul

Location: Report To (PM): All Cochrane Annie Gies

PM Email: acocchrane@skanska.com

Special Remarks:
 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 / 824)	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 TB-TB-03	6/3/21	1200	A	1	X														
2 TB-S29-E21-165		0935	S	3	X														
3 TB-S25-E21-165		1340	S	3	X														
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Metals: 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-8 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 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 _____

Relinquished (Signature) _____ Print Name _____ Date/Time _____



3600 Fremont Ave. N.
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info@fremontanalytical.com

Aspect Consulting

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

**RE: Skanska The Eight Redevelopment
Work Order Number: 2106161**

June 10, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 6/10/2021 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

*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: Skanska The Eight Redevelopment
Work Order: 2106161

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106161-001	T8-S29-E13-152	06/10/2021 7:45 AM	06/10/2021 9:36 AM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 6/10/2021 7:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106161-001

Matrix: Soil

Client Sample ID: T8-S29-E13-152

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 32611	Analyst: IH
Diesel (Fuel Oil)	ND	49.6		mg/Kg-dry	1	6/10/2021 12:10:48 PM
Heavy Oil	ND	99.2		mg/Kg-dry	1	6/10/2021 12:10:48 PM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	6/10/2021 12:10:48 PM
Surr: 2-Fluorobiphenyl	81.0	50 - 150		%Rec	1	6/10/2021 12:10:48 PM
Surr: o-Terphenyl	87.7	50 - 150		%Rec	1	6/10/2021 12:10:48 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 32602	Analyst: KT
Gasoline	ND	4.83		mg/Kg-dry	1	6/10/2021 11:35:54 AM
Surr: Toluene-d8	98.6	65 - 135		%Rec	1	6/10/2021 11:35:54 AM
Surr: 4-Bromofluorobenzene	90.5	65 - 135		%Rec	1	6/10/2021 11:35:54 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R67823	Analyst: OK
Percent Moisture	7.53	0.500		wt%	1	6/10/2021 10:24:22 AM

Work Order: 2106161
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32611	SampType: MBLK	Units: mg/Kg				Prep Date: 6/10/2021	RunNo: 67829				
Client ID: MBLKS	Batch ID: 32611					Analysis Date: 6/10/2021	SeqNo: 1368542				
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	8.75		10.00		87.5	50	150				
Surr: o-Terphenyl	9.24		10.00		92.4	50	150				

Sample ID: LCS-32611	SampType: LCS	Units: mg/Kg				Prep Date: 6/10/2021	RunNo: 67829				
Client ID: LCSS	Batch ID: 32611					Analysis Date: 6/10/2021	SeqNo: 1368543				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	503	50.0	500.0	0	101	75.7	116				
Surr: 2-Fluorobiphenyl	9.11		10.00		91.1	50	150				
Surr: o-Terphenyl	11.2		10.00		112	50	150				

Sample ID: 2106151-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 6/10/2021	RunNo: 67829				
Client ID: BATCH	Batch ID: 32611					Analysis Date: 6/10/2021	SeqNo: 1368545				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	473	49.7	497.2	0	95.2	59.6	134				
Surr: 2-Fluorobiphenyl	8.26		9.945		83.1	50	150				
Surr: o-Terphenyl	10.6		9.945		107	50	150				

Sample ID: 2106151-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 6/10/2021	RunNo: 67829				
Client ID: BATCH	Batch ID: 32611					Analysis Date: 6/10/2021	SeqNo: 1368546				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	504	48.9	489.3	0	103	59.6	134	473.4	6.36	30	
Surr: 2-Fluorobiphenyl	8.49		9.787		86.7	50	150		0		
Surr: o-Terphenyl	10.8		9.787		111	50	150		0		



Date: 6/10/2021

Work Order: 2106161
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2106151-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/10/2021	RunNo: 67829							
Client ID: BATCH	Batch ID: 32611	Analysis Date: 6/10/2021	SeqNo: 1368546								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2106161
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: MB-32602	SampType: MBLK	Units: mg/Kg	Prep Date: 6/9/2021	RunNo: 67826							
Client ID: MBLKS	Batch ID: 32602		Analysis Date: 6/9/2021	SeqNo: 1368467							
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		99.9	65	135				
Surr: 4-Bromofluorobenzene	1.13		1.250		90.4	65	135				

Sample ID: 2106124-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/9/2021	RunNo: 67826							
Client ID: BATCH	Batch ID: 32602		Analysis Date: 6/9/2021	SeqNo: 1368454							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	8.88						62.47	7.62	30	
Gasoline Range Organics (C6-C12)	57.9	8.88						62.47	7.62	30	
Surr: Toluene-d8	2.13		2.219		96.1	65	135		0		
Surr: 4-Bromofluorobenzene	2.18		2.219		98.0	65	135		0		

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12).

Sample ID: LCS-32602	SampType: LCS	Units: mg/Kg	Prep Date: 6/9/2021	RunNo: 67826							
Client ID: LCSS	Batch ID: 32602		Analysis Date: 6/10/2021	SeqNo: 1368466							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	20.7	5.00	25.00	0	82.9	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: 2106151-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/9/2021	RunNo: 67826							
Client ID: BATCH	Batch ID: 32602		Analysis Date: 6/10/2021	SeqNo: 1368457							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.40						0		30	
Surr: Toluene-d8	1.58		1.601		98.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.49		1.601		93.3	65	135		0		

Work Order: 2106161
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2106151-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/9/2021	RunNo: 67826							
Client ID: BATCH	Batch ID: 32602	Analysis Date: 6/10/2021	SeqNo: 1368457								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2106151-005BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/9/2021	RunNo: 67826							
Client ID: BATCH	Batch ID: 32602	Analysis Date: 6/10/2021	SeqNo: 1368461								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	24.4	6.60	32.98	0	74.1	65	135				
Surr: Toluene-d8	1.64		1.649		99.2	65	135				
Surr: 4-Bromofluorobenzene	1.61		1.649		97.5	65	135				

Client Name: **AC**

 Work Order Number: **2106161**

 Logged by: **Brianna Barnes**

 Date Received: **6/10/2021 8:37:53 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	4.0

* 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: 6/10/21 Page: 1 of 1

Project Name: Skanska The Eight Redevelopment

Project No: 198587

Collected by: Baxter Gill

Location:

Report To (PM): Ali Cehran, Amelia Oates

Laboratory Project No (Internal): M061101

Special Remarks:

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

PM Email: aco@skanska.com notices & aspect consult@skanska.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 8082 / 608)	PCBs (EPA 8270 - SIM)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1 TB-S29-E13-152	6/10/21	6745	S	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): 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) *Baxter Gill* Print Name **Baxter Gill** Date/Time **6/10/21 PM**

Relinquished (Signature) *Ali Cehran* Print Name **Ali Cehran** Date/Time **6/10/21 9:55**



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info@fremontanalytical.com

Aspect Consulting

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

**RE: Skanska The Eight Redevelopment
Work Order Number: 2106401**

June 23, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 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***
- Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)***
- 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:
Amelia Oates

*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: Skanska The Eight Redevelopment
Work Order: 2106401

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106401-001	T8-S06-E19-171	06/22/2021 7:45 AM	06/22/2021 2:51 PM
2106401-002	T8-S03-E18-175	06/22/2021 8:05 AM	06/22/2021 2:51 PM
2106401-003	T8-S03-E21-175	06/22/2021 9:45 AM	06/22/2021 2:51 PM
2106401-004	T8-E26-E22-175	06/22/2021 9:55 AM	06/22/2021 2:51 PM
2106401-005	T8-TB-04	06/22/2021 12:00 PM	06/22/2021 2:51 PM
2106401-006	T8-S09-E24-175	06/22/2021 10:45 AM	06/22/2021 2:51 PM
2106401-007	T8-S07-E21-175	06/22/2021 10:55 AM	06/22/2021 2:51 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment
Lab ID: 2106401-001
Client Sample ID: T8-S06-E19-171

Collection Date: 6/22/2021 7:45:00 AM
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: 32750 Analyst: MM

Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	6/23/2021 2:04:03 AM
Heavy Oil	ND	102		mg/Kg-dry	1	6/23/2021 2:04:03 AM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	6/23/2021 2:04:03 AM
Surr: 2-Fluorobiphenyl	51.8	50 - 150		%Rec	1	6/23/2021 2:04:03 AM
Surr: o-Terphenyl	64.5	50 - 150		%Rec	1	6/23/2021 2:04:03 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32715 Analyst: SB

Naphthalene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
2-Methylnaphthalene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
1-Methylnaphthalene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Acenaphthylene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Acenaphthene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Fluorene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Phenanthrene	ND	42.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Anthracene	ND	42.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Fluoranthene	ND	42.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Pyrene	ND	42.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Benz(a)anthracene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Chrysene	ND	42.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Benzo(b)fluoranthene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Benzo(k)fluoranthene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Benzo(a)pyrene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Indeno(1,2,3-cd)pyrene	ND	42.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Dibenz(a,h)anthracene	ND	42.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Benzo(g,h,i)perylene	ND	21.0		µg/Kg-dry	1	6/22/2021 10:38:09 PM
Surr: 2-Fluorobiphenyl	97.4	19 - 135		%Rec	1	6/22/2021 10:38:09 PM
Surr: Terphenyl-d14 (surr)	114	42.9 - 156		%Rec	1	6/22/2021 10:38:09 PM

Gasoline by NWTPH-Gx

Batch ID: 32743 Analyst: CR

Gasoline	ND	5.14		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Surr: Toluene-d8	98.8	65 - 135		%Rec	1	6/23/2021 4:19:53 AM
Surr: 4-Bromofluorobenzene	99.4	65 - 135		%Rec	1	6/23/2021 4:19:53 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0514		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Chloromethane	ND	0.0822		mg/Kg-dry	1	6/23/2021 4:19:53 AM



Client: Aspect Consulting

Collection Date: 6/22/2021 7:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-001

Matrix: Soil

Client Sample ID: T8-S06-E19-171

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

Batch ID: 32743

Analyst: CR

Vinyl chloride	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Bromomethane	ND	0.154	Q	mg/Kg-dry	1	6/23/2021 4:19:53 AM
Trichlorofluoromethane (CFC-11)	ND	0.0514		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Chloroethane	ND	0.123	Q	mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,1-Dichloroethene	ND	0.103		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Acetone	ND	0.514		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Methylene chloride	ND	0.0154		mg/Kg-dry	1	6/23/2021 4:19:53 AM
trans-1,2-Dichloroethene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Methyl tert-butyl ether (MTBE)	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,1-Dichloroethane	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
cis-1,2-Dichloroethene	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
(MEK) 2-Butanone	ND	0.462		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Chloroform	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,1,1-Trichloroethane (TCA)	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,1-Dichloropropene	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Carbon tetrachloride	ND	0.0771		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,2-Dichloroethane (EDC)	ND	0.0236		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Benzene	ND	0.0205		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Trichloroethene (TCE)	ND	0.0205		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,2-Dichloropropane	ND	0.0205		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Bromodichloromethane	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Dibromomethane	ND	0.0205		mg/Kg-dry	1	6/23/2021 4:19:53 AM
cis-1,3-Dichloropropene	ND	0.0822		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Toluene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Trans-1,3-Dichloropropylene	ND	0.0514		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0771		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,1,2-Trichloroethane	ND	0.0175		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,3-Dichloropropane	ND	0.0205		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Tetrachloroethene (PCE)	ND	0.0411		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Dibromochloromethane	ND	0.0205		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,2-Dibromoethane (EDB)	ND	0.0103		mg/Kg-dry	1	6/23/2021 4:19:53 AM
2-Hexanone (MBK)	ND	0.0616		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Chlorobenzene	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,1,1,2-Tetrachloroethane	ND	0.0205		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Ethylbenzene	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
m,p-Xylene	ND	0.0514		mg/Kg-dry	1	6/23/2021 4:19:53 AM
o-Xylene	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Styrene	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Isopropylbenzene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM



Client: Aspect Consulting

Collection Date: 6/22/2021 7:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-001

Matrix: Soil

Client Sample ID: T8-S06-E19-171

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

Batch ID: 32743

Analyst: CR

Bromoform	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,1,2,2-Tetrachloroethane	ND	0.0154		mg/Kg-dry	1	6/23/2021 4:19:53 AM
n-Propylbenzene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Bromobenzene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,3,5-Trimethylbenzene	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
2-Chlorotoluene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
4-Chlorotoluene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
tert-Butylbenzene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,2,3-Trichloropropane	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,2,4-Trichlorobenzene	ND	0.0411		mg/Kg-dry	1	6/23/2021 4:19:53 AM
sec-Butylbenzene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
4-Isopropyltoluene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,3-Dichlorobenzene	ND	0.0360		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,4-Dichlorobenzene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
n-Butylbenzene	ND	0.0411		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,2-Dichlorobenzene	ND	0.0308		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,2-Dibromo-3-chloropropane	ND	0.0616		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,2,4-Trimethylbenzene	ND	0.0257		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Hexachloro-1,3-butadiene	ND	0.0514		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Naphthalene	ND	0.103		mg/Kg-dry	1	6/23/2021 4:19:53 AM
1,2,3-Trichlorobenzene	ND	0.0514		mg/Kg-dry	1	6/23/2021 4:19:53 AM
Surr: Dibromofluoromethane	92.8	80 - 120		%Rec	1	6/23/2021 4:19:53 AM
Surr: Toluene-d8	94.9	80 - 120		%Rec	1	6/23/2021 4:19:53 AM
Surr: 1-Bromo-4-fluorobenzene	98.6	80 - 120		%Rec	1	6/23/2021 4:19:53 AM

NOTES:

Q- Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 32753

Analyst: LB

Mercury	ND	0.274		mg/Kg-dry	1	6/23/2021 2:49:57 PM
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Total Metals by EPA Method 6020B

Batch ID: 32758

Analyst: EH

Arsenic	3.78	0.883		mg/Kg-dry	1	6/23/2021 2:47:53 PM
Barium	65.2	0.530		mg/Kg-dry	1	6/23/2021 2:47:53 PM
Cadmium	ND	0.177		mg/Kg-dry	1	6/23/2021 2:47:53 PM
Chromium	30.9	0.353		mg/Kg-dry	1	6/23/2021 2:47:53 PM
Lead	3.28	0.177		mg/Kg-dry	1	6/23/2021 2:47:53 PM
Selenium	1.06	0.177		mg/Kg-dry	1	6/23/2021 2:47:53 PM



Client: Aspect Consulting

Collection Date: 6/22/2021 7:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-001

Matrix: Soil

Client Sample ID: T8-S06-E19-171

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32758 Analyst: EH

Silver	ND	0.883		mg/Kg-dry	1	6/23/2021 2:47:53 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68126 Analyst: OK

Percent Moisture	12.2			wt%	1	6/22/2021 3:57:14 PM
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Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-002
Client Sample ID: T8-S03-E18-175

Collection Date: 6/22/2021 8:05:00 AM
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: 32750 Analyst: MM

Diesel (Fuel Oil)	ND	50.7		mg/Kg-dry	1	6/23/2021 2:42:10 AM
Heavy Oil	ND	101		mg/Kg-dry	1	6/23/2021 2:42:10 AM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	6/23/2021 2:42:10 AM
Surr: 2-Fluorobiphenyl	62.6	50 - 150		%Rec	1	6/23/2021 2:42:10 AM
Surr: o-Terphenyl	77.2	50 - 150		%Rec	1	6/23/2021 2:42:10 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32715 Analyst: SB

Naphthalene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
2-Methylnaphthalene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
1-Methylnaphthalene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Acenaphthylene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Acenaphthene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Fluorene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Phenanthrene	ND	39.6		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Anthracene	ND	39.6		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Fluoranthene	ND	39.6		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Pyrene	ND	39.6		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Benz(a)anthracene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Chrysene	ND	39.6		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Benzo(b)fluoranthene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Benzo(k)fluoranthene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Benzo(a)pyrene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Indeno(1,2,3-cd)pyrene	ND	39.6		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Dibenz(a,h)anthracene	ND	39.6		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Benzo(g,h,i)perylene	ND	19.8		µg/Kg-dry	1	6/22/2021 10:59:43 PM
Surr: 2-Fluorobiphenyl	101	19 - 135		%Rec	1	6/22/2021 10:59:43 PM
Surr: Terphenyl-d14 (surr)	116	42.9 - 156		%Rec	1	6/22/2021 10:59:43 PM

Gasoline by NWTPH-Gx

Batch ID: 32743 Analyst: CR

Gasoline	ND	5.00		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Surr: Toluene-d8	98.4	65 - 135		%Rec	1	6/23/2021 4:50:23 AM
Surr: 4-Bromofluorobenzene	99.9	65 - 135		%Rec	1	6/23/2021 4:50:23 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Chloromethane	ND	0.0800		mg/Kg-dry	1	6/23/2021 4:50:23 AM



Client: Aspect Consulting

Collection Date: 6/22/2021 8:05:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-002

Matrix: Soil

Client Sample ID: T8-S03-E18-175

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

Batch ID: 32743

Analyst: CR

Vinyl chloride	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Bromomethane	ND	0.150	Q	mg/Kg-dry	1	6/23/2021 4:50:23 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Chloroethane	ND	0.120	Q	mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,1-Dichloroethene	ND	0.100		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Acetone	ND	0.500		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Methylene chloride	ND	0.0150		mg/Kg-dry	1	6/23/2021 4:50:23 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,1-Dichloroethane	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
(MEK) 2-Butanone	ND	0.450		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Chloroform	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,1-Dichloropropene	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Carbon tetrachloride	ND	0.0750		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Benzene	ND	0.0200		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Bromodichloromethane	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Dibromomethane	ND	0.0200		mg/Kg-dry	1	6/23/2021 4:50:23 AM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Toluene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,3-Dichloropropane	ND	0.0200		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Dibromochloromethane	ND	0.0200		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg-dry	1	6/23/2021 4:50:23 AM
2-Hexanone (MBK)	ND	0.0600		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Chlorobenzene	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Ethylbenzene	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
m,p-Xylene	ND	0.0500		mg/Kg-dry	1	6/23/2021 4:50:23 AM
o-Xylene	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Styrene	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Isopropylbenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-002
Client Sample ID: T8-S03-E18-175

Collection Date: 6/22/2021 8:05:00 AM
Matrix: Soil

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

Batch ID: 32743 Analyst: CR

Bromoform	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg-dry	1	6/23/2021 4:50:23 AM
n-Propylbenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Bromobenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
2-Chlorotoluene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
4-Chlorotoluene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
tert-Butylbenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg-dry	1	6/23/2021 4:50:23 AM
sec-Butylbenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
4-Isopropyltoluene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
n-Butylbenzene	ND	0.0400		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Naphthalene	ND	0.100		mg/Kg-dry	1	6/23/2021 4:50:23 AM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg-dry	1	6/23/2021 4:50:23 AM
Surr: Dibromofluoromethane	93.1	80 - 120		%Rec	1	6/23/2021 4:50:23 AM
Surr: Toluene-d8	94.6	80 - 120		%Rec	1	6/23/2021 4:50:23 AM
Surr: 1-Bromo-4-fluorobenzene	99.1	80 - 120		%Rec	1	6/23/2021 4:50:23 AM

NOTES:

Q- Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 32753 Analyst: LB

Mercury	ND	0.270		mg/Kg-dry	1	6/23/2021 2:56:25 PM
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Total Metals by EPA Method 6020B

Batch ID: 32758 Analyst: EH

Arsenic	3.09	0.756		mg/Kg-dry	1	6/23/2021 2:53:27 PM
Barium	57.3	0.453		mg/Kg-dry	1	6/23/2021 2:53:27 PM
Cadmium	ND	0.151		mg/Kg-dry	1	6/23/2021 2:53:27 PM
Chromium	25.8	0.302		mg/Kg-dry	1	6/23/2021 2:53:27 PM
Lead	3.32	0.151		mg/Kg-dry	1	6/23/2021 2:53:27 PM
Selenium	0.910	0.151	B	mg/Kg-dry	1	6/23/2021 2:53:27 PM



Client: Aspect Consulting

Collection Date: 6/22/2021 8:05:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-002

Matrix: Soil

Client Sample ID: T8-S03-E18-175

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32758 Analyst: EH

Silver	ND	0.756		mg/Kg-dry	1	6/23/2021 2:53:27 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68126 Analyst: OK

Percent Moisture	5.47			wt%	1	6/22/2021 3:57:14 PM
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Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-003
Client Sample ID: T8-S03-E21-175

Collection Date: 6/22/2021 9:45:00 AM
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: 32750 Analyst: MM

Diesel (Fuel Oil)	ND	48.3		mg/Kg-dry	1	6/23/2021 3:07:31 AM
Heavy Oil	ND	96.6		mg/Kg-dry	1	6/23/2021 3:07:31 AM
Total Petroleum Hydrocarbons	ND	145		mg/Kg-dry	1	6/23/2021 3:07:31 AM
Surr: 2-Fluorobiphenyl	50.9	50 - 150		%Rec	1	6/23/2021 3:07:31 AM
Surr: o-Terphenyl	65.9	50 - 150		%Rec	1	6/23/2021 3:07:31 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32715 Analyst: SB

Naphthalene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
2-Methylnaphthalene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
1-Methylnaphthalene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Acenaphthylene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Acenaphthene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Fluorene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Phenanthrene	ND	41.5		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Anthracene	ND	41.5		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Fluoranthene	ND	41.5		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Pyrene	ND	41.5		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Benz(a)anthracene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Chrysene	ND	41.5		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Benzo(b)fluoranthene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Benzo(k)fluoranthene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Benzo(a)pyrene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Indeno(1,2,3-cd)pyrene	ND	41.5		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Dibenz(a,h)anthracene	ND	41.5		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Benzo(g,h,i)perylene	ND	20.8		µg/Kg-dry	1	6/22/2021 11:21:23 PM
Surr: 2-Fluorobiphenyl	101	19 - 135		%Rec	1	6/22/2021 11:21:23 PM
Surr: Terphenyl-d14 (surr)	115	42.9 - 156		%Rec	1	6/22/2021 11:21:23 PM

Gasoline by NWTPH-Gx

Batch ID: 32743 Analyst: CR

Gasoline	ND	5.34		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Surr: Toluene-d8	98.8	65 - 135		%Rec	1	6/23/2021 5:21:00 AM
Surr: 4-Bromofluorobenzene	98.5	65 - 135		%Rec	1	6/23/2021 5:21:00 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0534		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Chloromethane	ND	0.0854		mg/Kg-dry	1	6/23/2021 5:21:00 AM



Analytical Report

Work Order: 2106401
Date Reported: 6/23/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-003
Client Sample ID: T8-S03-E21-175

Collection Date: 6/22/2021 9:45:00 AM
Matrix: Soil

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

Batch ID: 32743 Analyst: CR

Vinyl chloride	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Bromomethane	ND	0.160	Q	mg/Kg-dry	1	6/23/2021 5:21:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0534		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Chloroethane	ND	0.128	Q	mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,1-Dichloroethene	ND	0.107		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Acetone	ND	0.534		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Methylene chloride	ND	0.0160		mg/Kg-dry	1	6/23/2021 5:21:00 AM
trans-1,2-Dichloroethene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,1-Dichloroethane	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
cis-1,2-Dichloroethene	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
(MEK) 2-Butanone	ND	0.481		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Chloroform	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,1-Dichloropropene	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Carbon tetrachloride	ND	0.0801		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,2-Dichloroethane (EDC)	ND	0.0246		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Benzene	ND	0.0214		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Trichloroethene (TCE)	ND	0.0214		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,2-Dichloropropane	ND	0.0214		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Bromodichloromethane	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Dibromomethane	ND	0.0214		mg/Kg-dry	1	6/23/2021 5:21:00 AM
cis-1,3-Dichloropropene	ND	0.0854		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Toluene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Trans-1,3-Dichloropropylene	ND	0.0534		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0801		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,1,2-Trichloroethane	ND	0.0182		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,3-Dichloropropane	ND	0.0214		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Tetrachloroethene (PCE)	ND	0.0427		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Dibromochloromethane	ND	0.0214		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,2-Dibromoethane (EDB)	ND	0.0107		mg/Kg-dry	1	6/23/2021 5:21:00 AM
2-Hexanone (MBK)	ND	0.0641		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Chlorobenzene	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0214		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Ethylbenzene	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
m,p-Xylene	ND	0.0534		mg/Kg-dry	1	6/23/2021 5:21:00 AM
o-Xylene	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Styrene	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Isopropylbenzene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-003
Client Sample ID: T8-S03-E21-175

Collection Date: 6/22/2021 9:45:00 AM
Matrix: Soil

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

Batch ID: 32743 Analyst: CR

Bromoform	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0160		mg/Kg-dry	1	6/23/2021 5:21:00 AM
n-Propylbenzene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Bromobenzene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,3,5-Trimethylbenzene	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
2-Chlorotoluene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
4-Chlorotoluene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
tert-Butylbenzene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,2,3-Trichloropropane	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,2,4-Trichlorobenzene	ND	0.0427		mg/Kg-dry	1	6/23/2021 5:21:00 AM
sec-Butylbenzene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
4-Isopropyltoluene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,3-Dichlorobenzene	ND	0.0374		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,4-Dichlorobenzene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
n-Butylbenzene	ND	0.0427		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,2-Dichlorobenzene	ND	0.0320		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0641		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,2,4-Trimethylbenzene	ND	0.0267		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Hexachloro-1,3-butadiene	ND	0.0534		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Naphthalene	ND	0.107		mg/Kg-dry	1	6/23/2021 5:21:00 AM
1,2,3-Trichlorobenzene	ND	0.0534		mg/Kg-dry	1	6/23/2021 5:21:00 AM
Surr: Dibromofluoromethane	94.4	80 - 120		%Rec	1	6/23/2021 5:21:00 AM
Surr: Toluene-d8	95.8	80 - 120		%Rec	1	6/23/2021 5:21:00 AM
Surr: 1-Bromo-4-fluorobenzene	97.7	80 - 120		%Rec	1	6/23/2021 5:21:00 AM

NOTES:

Q- Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 32753 Analyst: LB

Mercury	ND	0.259		mg/Kg-dry	1	6/23/2021 2:58:01 PM
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Total Metals by EPA Method 6020B

Batch ID: 32758 Analyst: EH

Arsenic	4.10	0.809		mg/Kg-dry	1	6/23/2021 2:20:04 PM
Barium	75.4	0.485		mg/Kg-dry	1	6/23/2021 2:20:04 PM
Cadmium	0.207	0.162	B	mg/Kg-dry	1	6/23/2021 2:20:04 PM
Chromium	26.2	0.323		mg/Kg-dry	1	6/23/2021 2:20:04 PM
Lead	34.5	0.162		mg/Kg-dry	1	6/23/2021 2:20:04 PM
Selenium	0.731	0.162		mg/Kg-dry	1	6/23/2021 2:20:04 PM



Client: Aspect Consulting

Collection Date: 6/22/2021 9:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-003

Matrix: Soil

Client Sample ID: T8-S03-E21-175

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32758 Analyst: EH

Silver	ND	0.809		mg/Kg-dry	1	6/23/2021 2:20:04 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68126 Analyst: OK

Percent Moisture	9.05			wt%	1	6/22/2021 3:57:14 PM
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Client: Aspect Consulting

Collection Date: 6/22/2021 9:55:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-004

Matrix: Soil

Client Sample ID: T8-E26-E22-175

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)	56.5	52.0		mg/Kg-dry	1	6/23/2021 3:32:53 AM
Heavy Oil	254	104		mg/Kg-dry	1	6/23/2021 3:32:53 AM
Total Petroleum Hydrocarbons	310	156		mg/Kg-dry	1	6/23/2021 3:32:53 AM
Surr: 2-Fluorobiphenyl	69.1	50 - 150		%Rec	1	6/23/2021 3:32:53 AM
Surr: o-Terphenyl	81.1	50 - 150		%Rec	1	6/23/2021 3:32:53 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32715

Analyst: SB

Naphthalene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
2-Methylnaphthalene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
1-Methylnaphthalene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Acenaphthylene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Acenaphthene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Fluorene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Phenanthrene	ND	40.3		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Anthracene	ND	40.3		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Fluoranthene	ND	40.3		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Pyrene	ND	40.3		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Benz(a)anthracene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Chrysene	ND	40.3		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Benzo(b)fluoranthene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Benzo(k)fluoranthene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Benzo(a)pyrene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Indeno(1,2,3-cd)pyrene	ND	40.3		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Dibenz(a,h)anthracene	ND	40.3		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Benzo(g,h,i)perylene	ND	20.1		µg/Kg-dry	1	6/22/2021 11:42:59 PM
Surr: 2-Fluorobiphenyl	95.9	19 - 135		%Rec	1	6/22/2021 11:42:59 PM
Surr: Terphenyl-d14 (surr)	109	42.9 - 156		%Rec	1	6/22/2021 11:42:59 PM

Gasoline by NWTPH-Gx

Batch ID: 32743

Analyst: CR

Gasoline	ND	4.71		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Surr: Toluene-d8	98.2	65 - 135		%Rec	1	6/23/2021 5:51:37 AM
Surr: 4-Bromofluorobenzene	99.6	65 - 135		%Rec	1	6/23/2021 5:51:37 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0471		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Chloromethane	ND	0.0754		mg/Kg-dry	1	6/23/2021 5:51:37 AM



Analytical Report

Work Order: 2106401
Date Reported: 6/23/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-004
Client Sample ID: T8-E26-E22-175

Collection Date: 6/22/2021 9:55:00 AM
Matrix: Soil

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

Batch ID: 32743 Analyst: CR

Vinyl chloride	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Bromomethane	ND	0.141	Q	mg/Kg-dry	1	6/23/2021 5:51:37 AM
Trichlorofluoromethane (CFC-11)	ND	0.0471		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Chloroethane	ND	0.113	Q	mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,1-Dichloroethene	ND	0.0943		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Acetone	ND	0.471		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Methylene chloride	ND	0.0141		mg/Kg-dry	1	6/23/2021 5:51:37 AM
trans-1,2-Dichloroethene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Methyl tert-butyl ether (MTBE)	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,1-Dichloroethane	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
cis-1,2-Dichloroethene	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
(MEK) 2-Butanone	ND	0.424		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Chloroform	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,1,1-Trichloroethane (TCA)	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,1-Dichloropropene	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Carbon tetrachloride	ND	0.0707		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,2-Dichloroethane (EDC)	ND	0.0217		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Benzene	ND	0.0189		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Trichloroethene (TCE)	ND	0.0189		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,2-Dichloropropane	ND	0.0189		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Bromodichloromethane	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Dibromomethane	ND	0.0189		mg/Kg-dry	1	6/23/2021 5:51:37 AM
cis-1,3-Dichloropropene	ND	0.0754		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Toluene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Trans-1,3-Dichloropropylene	ND	0.0471		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0707		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,1,2-Trichloroethane	ND	0.0160		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,3-Dichloropropane	ND	0.0189		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Tetrachloroethene (PCE)	ND	0.0377		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Dibromochloromethane	ND	0.0189		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,2-Dibromoethane (EDB)	ND	0.00943		mg/Kg-dry	1	6/23/2021 5:51:37 AM
2-Hexanone (MBK)	ND	0.0566		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Chlorobenzene	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,1,1,2-Tetrachloroethane	ND	0.0189		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Ethylbenzene	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
m,p-Xylene	ND	0.0471		mg/Kg-dry	1	6/23/2021 5:51:37 AM
o-Xylene	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Styrene	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Isopropylbenzene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM



Analytical Report

Work Order: 2106401
Date Reported: 6/23/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-004
Client Sample ID: T8-E26-E22-175

Collection Date: 6/22/2021 9:55:00 AM
Matrix: Soil

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

Batch ID: 32743 Analyst: CR

Bromoform	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,1,2,2-Tetrachloroethane	ND	0.0141		mg/Kg-dry	1	6/23/2021 5:51:37 AM
n-Propylbenzene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Bromobenzene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,3,5-Trimethylbenzene	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
2-Chlorotoluene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
4-Chlorotoluene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
tert-Butylbenzene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,2,3-Trichloropropane	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,2,4-Trichlorobenzene	ND	0.0377		mg/Kg-dry	1	6/23/2021 5:51:37 AM
sec-Butylbenzene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
4-Isopropyltoluene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,3-Dichlorobenzene	ND	0.0330		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,4-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
n-Butylbenzene	ND	0.0377		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,2-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,2-Dibromo-3-chloropropane	ND	0.0566		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,2,4-Trimethylbenzene	ND	0.0236		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Hexachloro-1,3-butadiene	ND	0.0471		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Naphthalene	ND	0.0943		mg/Kg-dry	1	6/23/2021 5:51:37 AM
1,2,3-Trichlorobenzene	ND	0.0471		mg/Kg-dry	1	6/23/2021 5:51:37 AM
Surr: Dibromofluoromethane	94.2	80 - 120		%Rec	1	6/23/2021 5:51:37 AM
Surr: Toluene-d8	95.6	80 - 120		%Rec	1	6/23/2021 5:51:37 AM
Surr: 1-Bromo-4-fluorobenzene	98.8	80 - 120		%Rec	1	6/23/2021 5:51:37 AM

NOTES:

Q- Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 32753 Analyst: LB

Mercury	ND	0.297		mg/Kg-dry	1	6/23/2021 2:59:37 PM
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Total Metals by EPA Method 6020B

Batch ID: 32758 Analyst: EH

Arsenic	3.74	0.866		mg/Kg-dry	1	6/23/2021 2:59:02 PM
Barium	67.5	0.519		mg/Kg-dry	1	6/23/2021 2:59:02 PM
Cadmium	ND	0.173		mg/Kg-dry	1	6/23/2021 2:59:02 PM
Chromium	25.4	0.346		mg/Kg-dry	1	6/23/2021 2:59:02 PM
Lead	14.2	0.173		mg/Kg-dry	1	6/23/2021 2:59:02 PM
Selenium	0.989	0.173		mg/Kg-dry	1	6/23/2021 2:59:02 PM



Client: Aspect Consulting

Collection Date: 6/22/2021 9:55:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-004

Matrix: Soil

Client Sample ID: T8-E26-E22-175

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32758 Analyst: EH

Silver	ND	0.866		mg/Kg-dry	1	6/23/2021 2:59:02 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68126 Analyst: OK

Percent Moisture	10.4			wt%	1	6/22/2021 3:57:14 PM
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Analytical Report

Work Order: 2106401
Date Reported: 6/23/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-005
Client Sample ID: T8-TB-04

Collection Date: 6/22/2021 12:00:00 PM
Matrix: Soil

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

Batch ID: 32743 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	6/22/2021 7:38:59 PM
Chloromethane	ND	0.0800		mg/Kg	1	6/22/2021 7:38:59 PM
Vinyl chloride	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
Bromomethane	ND	0.150	Q	mg/Kg	1	6/22/2021 7:38:59 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	6/22/2021 7:38:59 PM
Chloroethane	ND	0.120	Q	mg/Kg	1	6/22/2021 7:38:59 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	6/22/2021 7:38:59 PM
Acetone	ND	0.500		mg/Kg	1	6/22/2021 7:38:59 PM
Methylene chloride	ND	0.0150		mg/Kg	1	6/22/2021 7:38:59 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	6/22/2021 7:38:59 PM
Chloroform	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	6/22/2021 7:38:59 PM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	6/22/2021 7:38:59 PM
Benzene	ND	0.0200		mg/Kg	1	6/22/2021 7:38:59 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	6/22/2021 7:38:59 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	6/22/2021 7:38:59 PM
Bromodichloromethane	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
Dibromomethane	ND	0.0200		mg/Kg	1	6/22/2021 7:38:59 PM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	6/22/2021 7:38:59 PM
Toluene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	6/22/2021 7:38:59 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	6/22/2021 7:38:59 PM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	6/22/2021 7:38:59 PM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	6/22/2021 7:38:59 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	6/22/2021 7:38:59 PM
Dibromochloromethane	ND	0.0200		mg/Kg	1	6/22/2021 7:38:59 PM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	6/22/2021 7:38:59 PM
2-Hexanone (MBK)	ND	0.0600		mg/Kg	1	6/22/2021 7:38:59 PM
Chlorobenzene	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	6/22/2021 7:38:59 PM
Ethylbenzene	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
m,p-Xylene	ND	0.0500		mg/Kg	1	6/22/2021 7:38:59 PM
o-Xylene	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM



Client: Aspect Consulting

Collection Date: 6/22/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-005

Matrix: Soil

Client Sample ID: T8-TB-04

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

Batch ID: 32743

Analyst: CR

Styrene	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
Isopropylbenzene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
Bromoform	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	6/22/2021 7:38:59 PM
n-Propylbenzene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
Bromobenzene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	6/22/2021 7:38:59 PM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	6/22/2021 7:38:59 PM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
n-Butylbenzene	ND	0.0400		mg/Kg	1	6/22/2021 7:38:59 PM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	6/22/2021 7:38:59 PM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	6/22/2021 7:38:59 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	6/22/2021 7:38:59 PM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	6/22/2021 7:38:59 PM
Naphthalene	ND	0.100		mg/Kg	1	6/22/2021 7:38:59 PM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	6/22/2021 7:38:59 PM
Surr: Dibromofluoromethane	93.7	80 - 120		%Rec	1	6/22/2021 7:38:59 PM
Surr: Toluene-d8	95.4	80 - 120		%Rec	1	6/22/2021 7:38:59 PM
Surr: 1-Bromo-4-fluorobenzene	97.1	80 - 120		%Rec	1	6/22/2021 7:38:59 PM

NOTES:

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



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-006
Client Sample ID: T8-S09-E24-175

Collection Date: 6/22/2021 10:45:00 AM
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: 32750 Analyst: MM

Diesel (Fuel Oil)	ND	47.5		mg/Kg-dry	1	6/23/2021 3:58:21 AM
Heavy Oil	ND	95.1		mg/Kg-dry	1	6/23/2021 3:58:21 AM
Total Petroleum Hydrocarbons	ND	143		mg/Kg-dry	1	6/23/2021 3:58:21 AM
Surr: 2-Fluorobiphenyl	52.7	50 - 150		%Rec	1	6/23/2021 3:58:21 AM
Surr: o-Terphenyl	64.3	50 - 150		%Rec	1	6/23/2021 3:58:21 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32715 Analyst: SB

Naphthalene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
2-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
1-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Acenaphthylene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Acenaphthene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Fluorene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Phenanthrene	ND	40.7		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Anthracene	ND	40.7		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Fluoranthene	ND	40.7		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Pyrene	ND	40.7		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Benz(a)anthracene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Chrysene	ND	40.7		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Benzo(b)fluoranthene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Benzo(k)fluoranthene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Benzo(a)pyrene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Indeno(1,2,3-cd)pyrene	ND	40.7		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Dibenz(a,h)anthracene	ND	40.7		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Benzo(g,h,i)perylene	ND	20.3		µg/Kg-dry	1	6/23/2021 12:04:31 AM
Surr: 2-Fluorobiphenyl	102	19 - 135		%Rec	1	6/23/2021 12:04:31 AM
Surr: Terphenyl-d14 (surr)	117	42.9 - 156		%Rec	1	6/23/2021 12:04:31 AM

Gasoline by NWTPH-Gx

Batch ID: 32743 Analyst: CR

Gasoline	ND	5.39		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Surr: Toluene-d8	97.4	65 - 135		%Rec	1	6/23/2021 6:22:09 AM
Surr: 4-Bromofluorobenzene	102	65 - 135		%Rec	1	6/23/2021 6:22:09 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0539		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Chloromethane	ND	0.0863		mg/Kg-dry	1	6/23/2021 6:22:09 AM



Analytical Report

Work Order: 2106401
Date Reported: 6/23/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-006
Client Sample ID: T8-S09-E24-175

Collection Date: 6/22/2021 10:45:00 AM
Matrix: Soil

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

Batch ID: 32743 Analyst: CR

Vinyl chloride	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Bromomethane	ND	0.162	Q	mg/Kg-dry	1	6/23/2021 6:22:09 AM
Trichlorofluoromethane (CFC-11)	ND	0.0539		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Chloroethane	ND	0.129	Q	mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,1-Dichloroethene	ND	0.108		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Acetone	ND	0.539		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Methylene chloride	ND	0.0162		mg/Kg-dry	1	6/23/2021 6:22:09 AM
trans-1,2-Dichloroethene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Methyl tert-butyl ether (MTBE)	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,1-Dichloroethane	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
cis-1,2-Dichloroethene	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
(MEK) 2-Butanone	ND	0.485		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Chloroform	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,1,1-Trichloroethane (TCA)	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,1-Dichloropropene	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Carbon tetrachloride	ND	0.0809		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,2-Dichloroethane (EDC)	ND	0.0248		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Benzene	ND	0.0216		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Trichloroethene (TCE)	ND	0.0216		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,2-Dichloropropane	ND	0.0216		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Bromodichloromethane	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Dibromomethane	ND	0.0216		mg/Kg-dry	1	6/23/2021 6:22:09 AM
cis-1,3-Dichloropropene	ND	0.0863		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Toluene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Trans-1,3-Dichloropropylene	ND	0.0539		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0809		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,1,2-Trichloroethane	ND	0.0183		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,3-Dichloropropane	ND	0.0216		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Tetrachloroethene (PCE)	ND	0.0431		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Dibromochloromethane	ND	0.0216		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,2-Dibromoethane (EDB)	ND	0.0108		mg/Kg-dry	1	6/23/2021 6:22:09 AM
2-Hexanone (MBK)	ND	0.0647		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Chlorobenzene	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,1,1,2-Tetrachloroethane	ND	0.0216		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Ethylbenzene	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
m,p-Xylene	ND	0.0539		mg/Kg-dry	1	6/23/2021 6:22:09 AM
o-Xylene	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Styrene	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Isopropylbenzene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM



Client: Aspect Consulting

Collection Date: 6/22/2021 10:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-006

Matrix: Soil

Client Sample ID: T8-S09-E24-175

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

Batch ID: 32743

Analyst: CR

Bromoform	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,1,2,2-Tetrachloroethane	ND	0.0162		mg/Kg-dry	1	6/23/2021 6:22:09 AM
n-Propylbenzene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Bromobenzene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,3,5-Trimethylbenzene	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
2-Chlorotoluene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
4-Chlorotoluene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
tert-Butylbenzene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,2,3-Trichloropropane	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,2,4-Trichlorobenzene	ND	0.0431		mg/Kg-dry	1	6/23/2021 6:22:09 AM
sec-Butylbenzene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
4-Isopropyltoluene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,3-Dichlorobenzene	ND	0.0377		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,4-Dichlorobenzene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
n-Butylbenzene	ND	0.0431		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,2-Dichlorobenzene	ND	0.0323		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,2-Dibromo-3-chloropropane	ND	0.0647		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,2,4-Trimethylbenzene	ND	0.0270		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Hexachloro-1,3-butadiene	ND	0.0539		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Naphthalene	ND	0.108		mg/Kg-dry	1	6/23/2021 6:22:09 AM
1,2,3-Trichlorobenzene	ND	0.0539		mg/Kg-dry	1	6/23/2021 6:22:09 AM
Surr: Dibromofluoromethane	93.8	80 - 120		%Rec	1	6/23/2021 6:22:09 AM
Surr: Toluene-d8	96.4	80 - 120		%Rec	1	6/23/2021 6:22:09 AM
Surr: 1-Bromo-4-fluorobenzene	101	80 - 120		%Rec	1	6/23/2021 6:22:09 AM

NOTES:

Q- Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 32753

Analyst: LB

Mercury	ND	0.289		mg/Kg-dry	1	6/23/2021 3:01:14 PM
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Total Metals by EPA Method 6020B

Batch ID: 32758

Analyst: EH

Arsenic	2.10	0.833		mg/Kg-dry	1	6/23/2021 3:15:45 PM
Barium	74.3	0.500		mg/Kg-dry	1	6/23/2021 3:15:45 PM
Cadmium	ND	0.167		mg/Kg-dry	1	6/23/2021 3:15:45 PM
Chromium	30.4	0.333		mg/Kg-dry	1	6/23/2021 3:15:45 PM
Lead	3.26	0.167		mg/Kg-dry	1	6/23/2021 3:15:45 PM
Selenium	0.614	0.167		mg/Kg-dry	1	6/23/2021 3:15:45 PM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106401-006
Client Sample ID: T8-S09-E24-175

Collection Date: 6/22/2021 10:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Total Metals by EPA Method 6020B</u>				Batch ID: 32758		Analyst: EH
Silver	ND	0.833		mg/Kg-dry	1	6/23/2021 3:15:45 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68126		Analyst: OK
Percent Moisture	11.7			wt%	1	6/22/2021 3:57:14 PM



Client: Aspect Consulting

Collection Date: 6/22/2021 10:55:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-007

Matrix: Soil

Client Sample ID: T8-S07-E21-175

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	54.2		mg/Kg-dry	1	6/23/2021 4:11:00 AM
Heavy Oil	ND	108		mg/Kg-dry	1	6/23/2021 4:11:00 AM
Total Petroleum Hydrocarbons	ND	163		mg/Kg-dry	1	6/23/2021 4:11:00 AM
Surr: 2-Fluorobiphenyl	53.5	50 - 150		%Rec	1	6/23/2021 4:11:00 AM
Surr: o-Terphenyl	67.6	50 - 150		%Rec	1	6/23/2021 4:11:00 AM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32715

Analyst: SB

Naphthalene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
2-Methylnaphthalene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
1-Methylnaphthalene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Acenaphthylene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Acenaphthene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Fluorene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Phenanthrene	ND	41.3		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Anthracene	ND	41.3		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Fluoranthene	ND	41.3		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Pyrene	ND	41.3		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Benz(a)anthracene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Chrysene	ND	41.3		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Benzo(b)fluoranthene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Benzo(k)fluoranthene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Benzo(a)pyrene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Indeno(1,2,3-cd)pyrene	ND	41.3		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Dibenz(a,h)anthracene	ND	41.3		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Benzo(g,h,i)perylene	ND	20.6		µg/Kg-dry	1	6/23/2021 12:26:10 AM
Surr: 2-Fluorobiphenyl	93.6	19 - 135		%Rec	1	6/23/2021 12:26:10 AM
Surr: Terphenyl-d14 (surr)	109	42.9 - 156		%Rec	1	6/23/2021 12:26:10 AM

Gasoline by NWTPH-Gx

Batch ID: 32743

Analyst: CR

Gasoline	ND	5.46		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Surr: Toluene-d8	99.1	65 - 135		%Rec	1	6/23/2021 7:23:12 AM
Surr: 4-Bromofluorobenzene	99.4	65 - 135		%Rec	1	6/23/2021 7:23:12 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32743

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0546		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Chloromethane	ND	0.0873		mg/Kg-dry	1	6/23/2021 7:23:12 AM



Client: Aspect Consulting

Collection Date: 6/22/2021 10:55:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-007

Matrix: Soil

Client Sample ID: T8-S07-E21-175

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

Batch ID: 32743

Analyst: CR

Vinyl chloride	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Bromomethane	ND	0.164	Q	mg/Kg-dry	1	6/23/2021 7:23:12 AM
Trichlorofluoromethane (CFC-11)	ND	0.0546		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Chloroethane	ND	0.131	Q	mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,1-Dichloroethene	ND	0.109		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Acetone	ND	0.546		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Methylene chloride	ND	0.0164		mg/Kg-dry	1	6/23/2021 7:23:12 AM
trans-1,2-Dichloroethene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Methyl tert-butyl ether (MTBE)	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,1-Dichloroethane	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
cis-1,2-Dichloroethene	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
(MEK) 2-Butanone	ND	0.491		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Chloroform	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,1,1-Trichloroethane (TCA)	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,1-Dichloropropene	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Carbon tetrachloride	ND	0.0819		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,2-Dichloroethane (EDC)	ND	0.0251		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Benzene	ND	0.0218		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Trichloroethene (TCE)	ND	0.0218		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,2-Dichloropropane	ND	0.0218		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Bromodichloromethane	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Dibromomethane	ND	0.0218		mg/Kg-dry	1	6/23/2021 7:23:12 AM
cis-1,3-Dichloropropene	ND	0.0873		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Toluene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Trans-1,3-Dichloropropylene	ND	0.0546		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0819		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,1,2-Trichloroethane	ND	0.0186		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,3-Dichloropropane	ND	0.0218		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Tetrachloroethene (PCE)	ND	0.0437		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Dibromochloromethane	ND	0.0218		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,2-Dibromoethane (EDB)	ND	0.0109		mg/Kg-dry	1	6/23/2021 7:23:12 AM
2-Hexanone (MBK)	ND	0.0655		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Chlorobenzene	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,1,1,2-Tetrachloroethane	ND	0.0218		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Ethylbenzene	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
m,p-Xylene	ND	0.0546		mg/Kg-dry	1	6/23/2021 7:23:12 AM
o-Xylene	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Styrene	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Isopropylbenzene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM



Client: Aspect Consulting

Collection Date: 6/22/2021 10:55:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-007

Matrix: Soil

Client Sample ID: T8-S07-E21-175

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

Batch ID: 32743

Analyst: CR

Bromoform	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,1,2,2-Tetrachloroethane	ND	0.0164		mg/Kg-dry	1	6/23/2021 7:23:12 AM
n-Propylbenzene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Bromobenzene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,3,5-Trimethylbenzene	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
2-Chlorotoluene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
4-Chlorotoluene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
tert-Butylbenzene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,2,3-Trichloropropane	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,2,4-Trichlorobenzene	ND	0.0437		mg/Kg-dry	1	6/23/2021 7:23:12 AM
sec-Butylbenzene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
4-Isopropyltoluene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,3-Dichlorobenzene	ND	0.0382		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,4-Dichlorobenzene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
n-Butylbenzene	ND	0.0437		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,2-Dichlorobenzene	ND	0.0327		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,2-Dibromo-3-chloropropane	ND	0.0655		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,2,4-Trimethylbenzene	ND	0.0273		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Hexachloro-1,3-butadiene	ND	0.0546		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Naphthalene	ND	0.109		mg/Kg-dry	1	6/23/2021 7:23:12 AM
1,2,3-Trichlorobenzene	ND	0.0546		mg/Kg-dry	1	6/23/2021 7:23:12 AM
Surr: Dibromofluoromethane	93.7	80 - 120		%Rec	1	6/23/2021 7:23:12 AM
Surr: Toluene-d8	96.5	80 - 120		%Rec	1	6/23/2021 7:23:12 AM
Surr: 1-Bromo-4-fluorobenzene	98.6	80 - 120		%Rec	1	6/23/2021 7:23:12 AM

NOTES:

Q- Flagged value is not within established control limits.

Mercury by EPA Method 7471

Batch ID: 32753

Analyst: LB

Mercury	ND	0.272		mg/Kg-dry	1	6/23/2021 3:06:10 PM
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Total Metals by EPA Method 6020B

Batch ID: 32758

Analyst: EH

Arsenic	2.96	0.892		mg/Kg-dry	1	6/23/2021 3:21:19 PM
Barium	77.8	0.535		mg/Kg-dry	1	6/23/2021 3:21:19 PM
Cadmium	ND	0.178		mg/Kg-dry	1	6/23/2021 3:21:19 PM
Chromium	26.1	0.357		mg/Kg-dry	1	6/23/2021 3:21:19 PM
Lead	6.05	0.178		mg/Kg-dry	1	6/23/2021 3:21:19 PM
Selenium	0.928	0.178		mg/Kg-dry	1	6/23/2021 3:21:19 PM



Client: Aspect Consulting

Collection Date: 6/22/2021 10:55:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106401-007

Matrix: Soil

Client Sample ID: T8-S07-E21-175

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Total Metals by EPA Method 6020B</u>				Batch ID: 32758		Analyst: EH
Silver	ND	0.892		mg/Kg-dry	1	6/23/2021 3:21:19 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68126		Analyst: OK
Percent Moisture	11.8			wt%	1	6/22/2021 3:57:14 PM

Work Order: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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. Any sample detections less than 10x that in the blank will be qualified with a B.

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: T8-S03-E21-175	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: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S03-E21-175	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: T8-S03-E21-175	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: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S06-E19-171	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: T8-S06-E19-171	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: T8-S06-E19-171	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: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S06-E19-171	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: T8-S06-E19-171	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: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S06-E19-171	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: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-32715	SampType: MBLK	Units: µg/Kg	Prep Date: 6/21/2021	RunNo: 68133							
Client ID: MBLKS	Batch ID: 32715		Analysis Date: 6/22/2021	SeqNo: 1374857							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
Acenaphthylene	ND	20.0									
Acenaphthene	ND	20.0									
Fluorene	ND	20.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
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									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2-Fluorobiphenyl	1,200		1,000		120	19	135				
Surr: Terphenyl-d14 (surr)	1,380		1,000		138	42.9	156				

Sample ID: LCS-32715	SampType: LCS	Units: µg/Kg	Prep Date: 6/21/2021	RunNo: 68133							
Client ID: LCSS	Batch ID: 32715		Analysis Date: 6/22/2021	SeqNo: 1374858							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,770	20.0	2,000	0	88.3	62.7	127				
2-Methylnaphthalene	1,770	20.0	2,000	0	88.5	62.7	132				
1-Methylnaphthalene	1,810	20.0	2,000	0	90.7	61.4	131				
Acenaphthylene	1,820	20.0	2,000	0	91.2	62	132				
Acenaphthene	1,690	20.0	2,000	0	84.3	59.2	132				

Work Order: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCS-32715	SampType: LCS	Units: µg/Kg				Prep Date: 6/21/2021	RunNo: 68133				
Client ID: LCSS	Batch ID: 32715					Analysis Date: 6/22/2021	SeqNo: 1374858				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,810	20.0	2,000	0	90.3	59.1	136				
Phenanthrene	1,750	40.0	2,000	0	87.5	54.1	139				
Anthracene	1,750	40.0	2,000	0	87.7	55.5	136				
Fluoranthene	1,840	40.0	2,000	0	91.9	52.8	149				
Pyrene	1,760	40.0	2,000	0	88.1	53.6	146				
Benzo(a)anthracene	1,930	20.0	2,000	0	96.3	49.7	153				
Chrysene	1,630	40.0	2,000	0	81.6	52.6	147				
Benzo(b)fluoranthene	1,720	20.0	2,000	0	86.0	50.6	151				
Benzo(k)fluoranthene	1,850	20.0	2,000	0	92.4	47.1	155				
Benzo(a)pyrene	1,980	20.0	2,000	0	99.0	48.3	169				
Indeno(1,2,3-cd)pyrene	1,750	40.0	2,000	0	87.6	52.3	145				
Dibenz(a,h)anthracene	1,820	40.0	2,000	0	90.8	53	144				
Benzo(g,h,i)perylene	1,600	20.0	2,000	0	79.8	49.7	144				
Surr: 2-Fluorobiphenyl	1,090		1,000		109	19	135				
Surr: Terphenyl-d14 (surr)	1,240		1,000		124	42.9	156				

Sample ID: 2106293-001AMS	SampType: MS	Units: µg/Kg-dry				Prep Date: 6/21/2021	RunNo: 68133				
Client ID: BATCH	Batch ID: 32715					Analysis Date: 6/22/2021	SeqNo: 1374860				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,690	21.4	2,138	5.061	78.9	26.5	126				
2-Methylnaphthalene	1,710	21.4	2,138	6.677	79.6	40.5	117				
1-Methylnaphthalene	1,740	21.4	2,138	0	81.4	37	118				
Acenaphthylene	1,750	21.4	2,138	0	81.7	34.6	121				
Acenaphthene	1,630	21.4	2,138	0	76.3	36.9	114				
Fluorene	1,760	21.4	2,138	0	82.2	36.5	120				
Phenanthrene	1,710	42.8	2,138	11.67	79.3	29.2	124				
Anthracene	1,690	42.8	2,138	0	79.1	32.9	127				
Fluoranthene	1,760	42.8	2,138	0	82.4	33.2	130				
Pyrene	1,700	42.8	2,138	0	79.5	32	128				

Work Order: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2106293-001AMS	SampType: MS	Units: µg/Kg-dry				Prep Date: 6/21/2021	RunNo: 68133				
Client ID: BATCH	Batch ID: 32715					Analysis Date: 6/22/2021	SeqNo: 1374860				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,770	21.4	2,138	7.790	82.3	33	134				
Chrysene	1,640	42.8	2,138	0	76.5	33.1	123				
Benzo(b)fluoranthene	1,890	21.4	2,138	0	88.4	36.3	126				
Benzo(k)fluoranthene	1,610	21.4	2,138	0	75.2	33.2	131				
Benzo(a)pyrene	1,940	21.4	2,138	0	90.7	36.2	148				
Indeno(1,2,3-cd)pyrene	1,700	42.8	2,138	0	79.7	32.8	124				
Dibenz(a,h)anthracene	1,760	42.8	2,138	0	82.2	31.4	126				
Benzo(g,h,i)perylene	1,550	21.4	2,138	0	72.3	25.3	122				
Surr: 2-Fluorobiphenyl	1,020		1,069		95.7	19	135				
Surr: Terphenyl-d14 (surr)	1,160		1,069		109	42.9	156				

Sample ID: 2106293-001AMS	SampType: MSD	Units: µg/Kg-dry				Prep Date: 6/21/2021	RunNo: 68133				
Client ID: BATCH	Batch ID: 32715					Analysis Date: 6/22/2021	SeqNo: 1374861				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	3,220	39.0	3,901	5.061	82.5	26.5	126	1,691	62.3	30	R
2-Methylnaphthalene	3,280	39.0	3,901	6.677	84.0	40.5	117	1,708	63.2	30	R
1-Methylnaphthalene	3,340	39.0	3,901	0	85.7	37	118	1,739	63.1	30	R
Acenaphthylene	3,350	39.0	3,901	0	86.0	34.6	121	1,747	63.0	30	R
Acenaphthene	3,120	39.0	3,901	0	79.9	36.9	114	1,632	62.5	30	R
Fluorene	3,340	39.0	3,901	0	85.6	36.5	120	1,757	62.1	30	R
Phenanthrene	3,310	78.0	3,901	11.67	84.5	29.2	124	1,708	63.8	30	R
Anthracene	3,300	78.0	3,901	0	84.7	32.9	127	1,691	64.5	30	R
Fluoranthene	3,390	78.0	3,901	0	87.0	33.2	130	1,763	63.3	30	R
Pyrene	3,250	78.0	3,901	0	83.4	32	128	1,700	62.7	30	R
Benz(a)anthracene	3,530	39.0	3,901	7.790	90.4	33	134	1,767	66.6	30	R
Chrysene	3,120	78.0	3,901	0	79.9	33.1	123	1,637	62.3	30	R
Benzo(b)fluoranthene	3,490	39.0	3,901	0	89.5	36.3	126	1,890	59.5	30	R
Benzo(k)fluoranthene	3,230	39.0	3,901	0	82.7	33.2	131	1,609	66.9	30	R
Benzo(a)pyrene	3,740	39.0	3,901	0	95.9	36.2	148	1,940	63.4	30	R

Work Order: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2106293-001AMSD	SampType: MSD	Units: µg/Kg-dry				Prep Date: 6/21/2021	RunNo: 68133				
Client ID: BATCH	Batch ID: 32715					Analysis Date: 6/22/2021	SeqNo: 1374861				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	3,290	78.0	3,901	0	84.2	32.8	124	1,703	63.5	30	R
Dibenz(a,h)anthracene	3,400	78.0	3,901	0	87.2	31.4	126	1,758	63.7	30	R
Benzo(g,h,i)perylene	2,990	39.0	3,901	0	76.7	25.3	122	1,545	63.8	30	R
Surr: 2-Fluorobiphenyl	1,950		1,951		99.9	19	135		0		
Surr: Terphenyl-d14 (surr)	2,230		1,951		114	42.9	156		0		

NOTES:

R - High RPD observed, spike recovery is within range.

Work Order: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S09-E24-175	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: 2106401
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

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: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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				

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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									

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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									

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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	

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CLIENT: Aspect Consulting
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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	

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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: 2106401
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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				

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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				

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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: T8-S09-E24-175	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: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S09-E24-175	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: 2106401
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S09-E24-175	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: **2106401**

 Logged by: **Clare Griggs**

 Date Received: **6/22/2021 2:51:18 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: 6/22/21 Page: 1 of 1

Project Name: Skanska The Eight Redevelopment

Project No: 100507

Collected by: Baxter Call

Location:

Report To (PM): Ali Cochran, Amek Oates

PM Email: acochran@aspectconsulting.com aoates@aspectconsulting.com

Laboratory Project No (Internal): 206461
Special Remarks:

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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Parameters													Comments
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heav 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)		
1 TB-506-E19-171	6/22/21	0745	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
2 TB-503-E18-175		0805	S	1	X	X	X	X	X	X	X	X	X	X	X	X		
3 TB-503-E21-175		0945	S	1	X	X	X	X	X	X	X	X	X	X	X	X		
4 TB-E26-E22-175		0955	S	1	X	X	X	X	X	X	X	X	X	X	X	X		
5 TB-TB-04		1200	A	1	X	X	X	X	X	X	X	X	X	X	X	X		
6 TB-509-E24-175		1045	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
7 TB-507-E21-175		1055	S	1	X	X	X	X	X	X	X	X	X	X	X	X		
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) Baxter Call Print Name Baxter Call Date/Time 6/22/21 14:38

Relinquished (Signature) [Signature] Print Name [Name] Date/Time 6/22/21 15:57

Received (Signature) [Signature] Print Name [Name] Date/Time 6/22/21 14:40

Received (Signature) [Signature] Print Name [Name] Date/Time 6/22/21 15:57



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: Skanska The Eight Redevelopment
Work Order Number: 2106433**

June 24, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 6/23/2021 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***
- Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)***
- 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:
Amelia Oates

*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: 06/24/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2106433

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106433-001	T8-TB-05	06/23/2021 12:00 PM	06/23/2021 2:51 PM
2106433-002	T8-E25-E18-175	06/23/2021 10:45 AM	06/23/2021 2:51 PM
2106433-003	T8-E26-E22-165	06/23/2021 1:25 PM	06/23/2021 2:51 PM
2106433-004	T8-S03-E21-165	06/23/2021 1:30 PM	06/23/2021 2:51 PM

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

Original

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 6/23/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2106433-001

Matrix: Soil

Client Sample ID: T8-TB-05

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

Batch ID: 32762

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	6/23/2021 4:46:34 PM
Chloromethane	ND	0.0800		mg/Kg	1	6/23/2021 4:46:34 PM
Vinyl chloride	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
Bromomethane	ND	0.150		mg/Kg	1	6/23/2021 4:46:34 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	6/23/2021 4:46:34 PM
Chloroethane	ND	0.120		mg/Kg	1	6/23/2021 4:46:34 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	6/23/2021 4:46:34 PM
Acetone	ND	0.500		mg/Kg	1	6/23/2021 4:46:34 PM
Methylene chloride	ND	0.0150		mg/Kg	1	6/23/2021 4:46:34 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	6/23/2021 4:46:34 PM
Chloroform	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	6/23/2021 4:46:34 PM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	6/23/2021 4:46:34 PM
Benzene	ND	0.0200		mg/Kg	1	6/23/2021 4:46:34 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	6/23/2021 4:46:34 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	6/23/2021 4:46:34 PM
Bromodichloromethane	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
Dibromomethane	ND	0.0200		mg/Kg	1	6/23/2021 4:46:34 PM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	6/23/2021 4:46:34 PM
Toluene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	6/23/2021 4:46:34 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	6/23/2021 4:46:34 PM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	6/23/2021 4:46:34 PM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	6/23/2021 4:46:34 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	6/23/2021 4:46:34 PM
Dibromochloromethane	ND	0.0200		mg/Kg	1	6/23/2021 4:46:34 PM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	6/23/2021 4:46:34 PM
2-Hexanone (MBK)	ND	0.0600		mg/Kg	1	6/23/2021 4:46:34 PM
Chlorobenzene	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	6/23/2021 4:46:34 PM
Ethylbenzene	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
m,p-Xylene	ND	0.0500		mg/Kg	1	6/23/2021 4:46:34 PM
o-Xylene	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM



Client: Aspect Consulting

Collection Date: 6/23/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2106433-001

Matrix: Soil

Client Sample ID: T8-TB-05

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

Batch ID: 32762

Analyst: CR

Styrene	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
Isopropylbenzene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
Bromoform	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	6/23/2021 4:46:34 PM
n-Propylbenzene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
Bromobenzene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	6/23/2021 4:46:34 PM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	6/23/2021 4:46:34 PM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
n-Butylbenzene	ND	0.0400		mg/Kg	1	6/23/2021 4:46:34 PM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	6/23/2021 4:46:34 PM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	6/23/2021 4:46:34 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	6/23/2021 4:46:34 PM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	6/23/2021 4:46:34 PM
Naphthalene	ND	0.100		mg/Kg	1	6/23/2021 4:46:34 PM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	6/23/2021 4:46:34 PM
Surr: Dibromofluoromethane	97.1	80 - 120		%Rec	1	6/23/2021 4:46:34 PM
Surr: Toluene-d8	96.6	80 - 120		%Rec	1	6/23/2021 4:46:34 PM
Surr: 1-Bromo-4-fluorobenzene	95.8	80 - 120		%Rec	1	6/23/2021 4:46:34 PM



Client: Aspect Consulting

Collection Date: 6/23/2021 10:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106433-002

Matrix: Soil

Client Sample ID: T8-E25-E18-175

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

Batch ID: 32765

Analyst: MM

Diesel (Fuel Oil)	ND	51.6		mg/Kg-dry	1	6/23/2021 5:47:53 PM
Heavy Oil	117	103		mg/Kg-dry	1	6/23/2021 5:47:53 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	6/23/2021 5:47:53 PM
Surr: 2-Fluorobiphenyl	86.1	50 - 150		%Rec	1	6/23/2021 5:47:53 PM
Surr: o-Terphenyl	81.8	50 - 150		%Rec	1	6/23/2021 5:47:53 PM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 32767

Analyst: SB

Naphthalene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
2-Methylnaphthalene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
1-Methylnaphthalene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Acenaphthylene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Acenaphthene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Fluorene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Phenanthrene	ND	44.8		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Anthracene	ND	44.8		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Fluoranthene	ND	44.8		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Pyrene	ND	44.8		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Benz(a)anthracene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Chrysene	ND	44.8		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Benzo(b)fluoranthene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Benzo(k)fluoranthene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Benzo(a)pyrene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Indeno(1,2,3-cd)pyrene	ND	44.8		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Dibenz(a,h)anthracene	ND	44.8		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Benzo(g,h,i)perylene	ND	22.4		µg/Kg-dry	1	6/24/2021 12:00:26 PM
Surr: 2-Fluorobiphenyl	98.1	19 - 135		%Rec	1	6/24/2021 12:00:26 PM
Surr: Terphenyl-d14 (surr)	113	42.9 - 156		%Rec	1	6/24/2021 12:00:26 PM

Gasoline by NWTPH-Gx

Batch ID: 32762

Analyst: CR

Gasoline	ND	6.33		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Surr: Toluene-d8	99.6	65 - 135		%Rec	1	6/23/2021 10:53:48 PM
Surr: 4-Bromofluorobenzene	96.8	65 - 135		%Rec	1	6/23/2021 10:53:48 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32762

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0633		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Chloromethane	ND	0.101		mg/Kg-dry	1	6/23/2021 10:53:48 PM



Client: Aspect Consulting

Collection Date: 6/23/2021 10:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106433-002

Matrix: Soil

Client Sample ID: T8-E25-E18-175

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

Batch ID: 32762

Analyst: CR

Vinyl chloride	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Bromomethane	ND	0.190		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Trichlorofluoromethane (CFC-11)	ND	0.0633		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Chloroethane	ND	0.152		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,1-Dichloroethene	ND	0.127		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Acetone	ND	0.633		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Methylene chloride	ND	0.0190		mg/Kg-dry	1	6/23/2021 10:53:48 PM
trans-1,2-Dichloroethene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Methyl tert-butyl ether (MTBE)	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,1-Dichloroethane	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
cis-1,2-Dichloroethene	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
(MEK) 2-Butanone	ND	0.570		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Chloroform	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,1,1-Trichloroethane (TCA)	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,1-Dichloropropene	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Carbon tetrachloride	ND	0.0950		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,2-Dichloroethane (EDC)	ND	0.0291		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Benzene	ND	0.0253		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Trichloroethene (TCE)	ND	0.0253		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,2-Dichloropropane	ND	0.0253		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Bromodichloromethane	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Dibromomethane	ND	0.0253		mg/Kg-dry	1	6/23/2021 10:53:48 PM
cis-1,3-Dichloropropene	ND	0.101		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Toluene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Trans-1,3-Dichloropropylene	ND	0.0633		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0950		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,1,2-Trichloroethane	ND	0.0215		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,3-Dichloropropane	ND	0.0253		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Tetrachloroethene (PCE)	ND	0.0507		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Dibromochloromethane	ND	0.0253		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,2-Dibromoethane (EDB)	ND	0.0127		mg/Kg-dry	1	6/23/2021 10:53:48 PM
2-Hexanone (MBK)	ND	0.0760		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Chlorobenzene	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,1,1,2-Tetrachloroethane	ND	0.0253		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Ethylbenzene	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
m,p-Xylene	ND	0.0633		mg/Kg-dry	1	6/23/2021 10:53:48 PM
o-Xylene	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Styrene	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Isopropylbenzene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM



Client: Aspect Consulting

Collection Date: 6/23/2021 10:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106433-002

Matrix: Soil

Client Sample ID: T8-E25-E18-175

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

Batch ID: 32762

Analyst: CR

Bromoform	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,1,2,2-Tetrachloroethane	ND	0.0190		mg/Kg-dry	1	6/23/2021 10:53:48 PM
n-Propylbenzene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Bromobenzene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,3,5-Trimethylbenzene	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
2-Chlorotoluene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
4-Chlorotoluene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
tert-Butylbenzene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,2,3-Trichloropropane	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,2,4-Trichlorobenzene	ND	0.0507		mg/Kg-dry	1	6/23/2021 10:53:48 PM
sec-Butylbenzene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
4-Isopropyltoluene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,3-Dichlorobenzene	ND	0.0443		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,4-Dichlorobenzene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
n-Butylbenzene	ND	0.0507		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,2-Dichlorobenzene	ND	0.0380		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,2-Dibromo-3-chloropropane	ND	0.0760		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,2,4-Trimethylbenzene	ND	0.0317		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Hexachloro-1,3-butadiene	ND	0.0633		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Naphthalene	ND	0.127		mg/Kg-dry	1	6/23/2021 10:53:48 PM
1,2,3-Trichlorobenzene	ND	0.0633		mg/Kg-dry	1	6/23/2021 10:53:48 PM
Surr: Dibromofluoromethane	98.6	80 - 120		%Rec	1	6/23/2021 10:53:48 PM
Surr: Toluene-d8	97.1	80 - 120		%Rec	1	6/23/2021 10:53:48 PM
Surr: 1-Bromo-4-fluorobenzene	96.1	80 - 120		%Rec	1	6/23/2021 10:53:48 PM

Mercury by EPA Method 7471

Batch ID: 32768

Analyst: LB

Mercury	ND	0.279		mg/Kg-dry	1	6/24/2021 3:02:46 PM
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Total Metals by EPA Method 6020B

Batch ID: 32772

Analyst: TN

Arsenic	3.83	0.108	Q	mg/Kg-dry	1	6/24/2021 3:16:45 PM
Barium	84.3	0.538		mg/Kg-dry	1	6/24/2021 3:16:45 PM
Cadmium	ND	0.179		mg/Kg-dry	1	6/24/2021 3:16:45 PM
Chromium	32.6	0.358		mg/Kg-dry	1	6/24/2021 3:16:45 PM
Lead	12.9	0.179		mg/Kg-dry	1	6/24/2021 3:16:45 PM
Selenium	1.09	0.179		mg/Kg-dry	1	6/24/2021 3:16:45 PM
Silver	ND	0.134		mg/Kg-dry	1	6/24/2021 3:16:45 PM



Client: Aspect Consulting

Collection Date: 6/23/2021 10:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106433-002

Matrix: Soil

Client Sample ID: T8-E25-E18-175

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Total Metals by EPA Method 6020B

Batch ID: 32772

Analyst: TN

NOTES:

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

Sample Moisture (Percent Moisture)

Batch ID: R68159

Analyst: CH

Percent Moisture	12.1	0.500		wt%	1	6/23/2021 3:33:18 PM
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Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106433-003
Client Sample ID: T8-E26-E22-165

Collection Date: 6/23/2021 1:25:00 PM

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: 32765 Analyst: MM

Diesel (Fuel Oil)	ND	48.9		mg/Kg-dry	1	6/23/2021 6:13:22 PM
Heavy Oil	ND	97.9		mg/Kg-dry	1	6/23/2021 6:13:22 PM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	6/23/2021 6:13:22 PM
Surr: 2-Fluorobiphenyl	91.4	50 - 150		%Rec	1	6/23/2021 6:13:22 PM
Surr: o-Terphenyl	89.9	50 - 150		%Rec	1	6/23/2021 6:13:22 PM

Gasoline by NWTPH-Gx

Batch ID: 32762 Analyst: CR

Gasoline	ND	5.60		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Surr: Toluene-d8	99.8	65 - 135		%Rec	1	6/23/2021 11:24:25 PM
Surr: 4-Bromofluorobenzene	95.5	65 - 135		%Rec	1	6/23/2021 11:24:25 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32762 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0560		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Chloromethane	ND	0.0896		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Vinyl chloride	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Bromomethane	ND	0.168		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Trichlorofluoromethane (CFC-11)	ND	0.0560		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Chloroethane	ND	0.134		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,1-Dichloroethene	ND	0.112		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Acetone	ND	0.560		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Methylene chloride	ND	0.0168		mg/Kg-dry	1	6/23/2021 11:24:25 PM
trans-1,2-Dichloroethene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Methyl tert-butyl ether (MTBE)	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,1-Dichloroethane	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
cis-1,2-Dichloroethene	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
(MEK) 2-Butanone	ND	0.504		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Chloroform	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,1,1-Trichloroethane (TCA)	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,1-Dichloropropene	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Carbon tetrachloride	ND	0.0840		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,2-Dichloroethane (EDC)	ND	0.0257		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Benzene	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Trichloroethene (TCE)	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,2-Dichloropropane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Bromodichloromethane	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Dibromomethane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:24:25 PM
cis-1,3-Dichloropropene	ND	0.0896		mg/Kg-dry	1	6/23/2021 11:24:25 PM



Analytical Report

Work Order: 2106433
Date Reported: 6/24/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106433-003
Client Sample ID: T8-E26-E22-165

Collection Date: 6/23/2021 1:25:00 PM
Matrix: Soil

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

Batch ID: 32762 Analyst: CR

Toluene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Trans-1,3-Dichloropropylene	ND	0.0560		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0840		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,1,2-Trichloroethane	ND	0.0190		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,3-Dichloropropane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Tetrachloroethene (PCE)	ND	0.0448		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Dibromochloromethane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,2-Dibromoethane (EDB)	ND	0.0112		mg/Kg-dry	1	6/23/2021 11:24:25 PM
2-Hexanone (MBK)	ND	0.0672		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Chlorobenzene	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,1,1,2-Tetrachloroethane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Ethylbenzene	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
m,p-Xylene	ND	0.0560		mg/Kg-dry	1	6/23/2021 11:24:25 PM
o-Xylene	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Styrene	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Isopropylbenzene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Bromoform	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,1,2,2-Tetrachloroethane	ND	0.0168		mg/Kg-dry	1	6/23/2021 11:24:25 PM
n-Propylbenzene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Bromobenzene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,3,5-Trimethylbenzene	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
2-Chlorotoluene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
4-Chlorotoluene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
tert-Butylbenzene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,2,3-Trichloropropane	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,2,4-Trichlorobenzene	ND	0.0448		mg/Kg-dry	1	6/23/2021 11:24:25 PM
sec-Butylbenzene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
4-Isopropyltoluene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,3-Dichlorobenzene	ND	0.0392		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,4-Dichlorobenzene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
n-Butylbenzene	ND	0.0448		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,2-Dichlorobenzene	ND	0.0336		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,2-Dibromo-3-chloropropane	ND	0.0672		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,2,4-Trimethylbenzene	ND	0.0280		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Hexachloro-1,3-butadiene	ND	0.0560		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Naphthalene	ND	0.112		mg/Kg-dry	1	6/23/2021 11:24:25 PM
1,2,3-Trichlorobenzene	ND	0.0560		mg/Kg-dry	1	6/23/2021 11:24:25 PM
Surr: Dibromofluoromethane	98.1	80 - 120		%Rec	1	6/23/2021 11:24:25 PM
Surr: Toluene-d8	96.3	80 - 120		%Rec	1	6/23/2021 11:24:25 PM



Client: Aspect Consulting

Collection Date: 6/23/2021 1:25:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2106433-003

Matrix: Soil

Client Sample ID: T8-E26-E22-165

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

Batch ID: 32762 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	94.7	80 - 120		%Rec	1	6/23/2021 11:24:25 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68159 Analyst: CH

Percent Moisture	12.2	0.500		wt%	1	6/23/2021 3:33:18 PM
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Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106433-004
Client Sample ID: T8-S03-E21-165

Collection Date: 6/23/2021 1:30:00 PM
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: 32765 Analyst: MM

Diesel (Fuel Oil)	ND	47.2		mg/Kg-dry	1	6/23/2021 6:26:13 PM
Heavy Oil	ND	94.5		mg/Kg-dry	1	6/23/2021 6:26:13 PM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	6/23/2021 6:26:13 PM
Surr: 2-Fluorobiphenyl	85.7	50 - 150		%Rec	1	6/23/2021 6:26:13 PM
Surr: o-Terphenyl	84.5	50 - 150		%Rec	1	6/23/2021 6:26:13 PM

Gasoline by NWTPH-Gx

Batch ID: 32762 Analyst: CR

Gasoline	ND	5.59		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	6/23/2021 11:55:00 PM
Surr: 4-Bromofluorobenzene	96.2	65 - 135		%Rec	1	6/23/2021 11:55:00 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32762 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0559		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Chloromethane	ND	0.0894		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Vinyl chloride	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Bromomethane	ND	0.168		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0559		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Chloroethane	ND	0.134		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,1-Dichloroethene	ND	0.112		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Acetone	ND	0.559		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Methylene chloride	ND	0.0168		mg/Kg-dry	1	6/23/2021 11:55:00 PM
trans-1,2-Dichloroethene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,1-Dichloroethane	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
cis-1,2-Dichloroethene	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
(MEK) 2-Butanone	ND	0.503		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Chloroform	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,1-Dichloropropene	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Carbon tetrachloride	ND	0.0838		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,2-Dichloroethane (EDC)	ND	0.0257		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Benzene	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Trichloroethene (TCE)	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,2-Dichloropropane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Bromodichloromethane	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Dibromomethane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:55:00 PM
cis-1,3-Dichloropropene	ND	0.0894		mg/Kg-dry	1	6/23/2021 11:55:00 PM



Client: Aspect Consulting

Collection Date: 6/23/2021 1:30:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2106433-004

Matrix: Soil

Client Sample ID: T8-S03-E21-165

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

Batch ID: 32762

Analyst: CR

Toluene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Trans-1,3-Dichloropropylene	ND	0.0559		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0838		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,1,2-Trichloroethane	ND	0.0190		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,3-Dichloropropane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Tetrachloroethene (PCE)	ND	0.0447		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Dibromochloromethane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,2-Dibromoethane (EDB)	ND	0.0112		mg/Kg-dry	1	6/23/2021 11:55:00 PM
2-Hexanone (MBK)	ND	0.0671		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Chlorobenzene	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0224		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Ethylbenzene	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
m,p-Xylene	ND	0.0559		mg/Kg-dry	1	6/23/2021 11:55:00 PM
o-Xylene	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Styrene	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Isopropylbenzene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Bromoform	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0168		mg/Kg-dry	1	6/23/2021 11:55:00 PM
n-Propylbenzene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Bromobenzene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,3,5-Trimethylbenzene	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
2-Chlorotoluene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
4-Chlorotoluene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
tert-Butylbenzene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,2,3-Trichloropropane	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,2,4-Trichlorobenzene	ND	0.0447		mg/Kg-dry	1	6/23/2021 11:55:00 PM
sec-Butylbenzene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
4-Isopropyltoluene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,3-Dichlorobenzene	ND	0.0391		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,4-Dichlorobenzene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
n-Butylbenzene	ND	0.0447		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,2-Dichlorobenzene	ND	0.0335		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0671		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,2,4-Trimethylbenzene	ND	0.0279		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Hexachloro-1,3-butadiene	ND	0.0559		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Naphthalene	ND	0.112		mg/Kg-dry	1	6/23/2021 11:55:00 PM
1,2,3-Trichlorobenzene	ND	0.0559		mg/Kg-dry	1	6/23/2021 11:55:00 PM
Surr: Dibromofluoromethane	97.7	80 - 120		%Rec	1	6/23/2021 11:55:00 PM
Surr: Toluene-d8	97.2	80 - 120		%Rec	1	6/23/2021 11:55:00 PM



Client: Aspect Consulting

Collection Date: 6/23/2021 1:30:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2106433-004

Matrix: Soil

Client Sample ID: T8-S03-E21-165

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

Batch ID: 32762 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	95.5	80 - 120		%Rec	1	6/23/2021 11:55:00 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68159 Analyst: CH

Percent Moisture	11.2	0.500		wt%	1	6/23/2021 3:33:18 PM
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Work Order: 2106433
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-32772	SampType: MBLK	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68203							
Client ID: MBLKS	Batch ID: 32772		Analysis Date: 6/24/2021	SeqNo: 1376765							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0945									
Barium	ND	0.472									
Cadmium	ND	0.157									
Chromium	ND	0.315									
Lead	ND	0.157									
Selenium	ND	0.157									
Silver	ND	0.118									

Sample ID: LCS-32772	SampType: LCS	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68203							
Client ID: LCSS	Batch ID: 32772		Analysis Date: 6/24/2021	SeqNo: 1376766							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.9	0.0952	39.68	0	98.1	80	120				
Barium	40.8	0.476	39.68	0	103	80	120				
Cadmium	1.86	0.159	1.984	0	93.7	80	120				
Chromium	42.4	0.317	39.68	0	107	80	120				
Lead	21.0	0.159	19.84	0	106	80	120				
Selenium	3.85	0.159	3.968	0	97.0	80	120				
Silver	2.00	0.119	1.984	0	101	80	120				

Sample ID: 2106433-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68203							
Client ID: T8-E25-E18-175	Batch ID: 32772		Analysis Date: 6/24/2021	SeqNo: 1376769							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	45.6	0.105	43.78	3.829	95.4	75	125				
Barium	129	0.525	43.78	84.35	102	75	125				
Cadmium	2.30	0.175	2.189	0.08711	101	75	125				
Chromium	79.4	0.350	43.78	32.57	107	75	125				
Lead	33.8	0.175	21.89	12.92	95.6	75	125				



Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2106433-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68203							
Client ID: T8-E25-E18-175	Batch ID: 32772	Analysis Date: 6/24/2021	SeqNo: 1376769								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	4.91	0.175	4.378	1.092	87.2	75	125				
Silver	1.98	0.131	2.189	0.05113	88.0	75	125				

Sample ID: 2106433-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68203							
Client ID: T8-E25-E18-175	Batch ID: 32772	Analysis Date: 6/24/2021	SeqNo: 1376770								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	47.7	0.109	45.53	3.829	96.4	75	125	45.60	4.55	20	
Barium	133	0.546	45.53	84.35	107	75	125	129.1	3.20	20	
Cadmium	2.35	0.182	2.276	0.08711	99.4	75	125	2.295	2.37	20	
Chromium	81.6	0.364	45.53	32.57	108	75	125	79.40	2.78	20	
Lead	38.4	0.182	22.76	12.92	112	75	125	33.84	12.7	20	
Selenium	5.07	0.182	4.553	1.092	87.4	75	125	4.911	3.21	20	
Silver	1.98	0.137	2.276	0.05113	84.6	75	125	1.978	0.0241	20	

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-32768	SampType: MBLK	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68200							
Client ID: MBLKS	Batch ID: 32768		Analysis Date: 6/24/2021	SeqNo: 1376726							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-32768	SampType: LCS	Units: mg/Kg	Prep Date: 6/24/2021	RunNo: 68200							
Client ID: LCSS	Batch ID: 32768		Analysis Date: 6/24/2021	SeqNo: 1376727							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.490 0.250 0.5000 0 98.0 80 120

Sample ID: 2106433-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68200							
Client ID: T8-E25-E18-175	Batch ID: 32768		Analysis Date: 6/24/2021	SeqNo: 1376729							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.263 0 20

Sample ID: 2106433-002AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68200							
Client ID: T8-E25-E18-175	Batch ID: 32768		Analysis Date: 6/24/2021	SeqNo: 1376730							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.534 0.254 0.5081 0.04397 96.3 70 130

Sample ID: 2106433-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 6/24/2021	RunNo: 68200							
Client ID: T8-E25-E18-175	Batch ID: 32768		Analysis Date: 6/24/2021	SeqNo: 1376731							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.562 0.250 0.4992 0.04397 104 70 130 0.5335 5.22 20

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32765	SampType: MBLK	Units: mg/Kg			Prep Date: 6/23/2021	RunNo: 68172					
Client ID: MBLKS	Batch ID: 32765				Analysis Date: 6/23/2021	SeqNo: 1376099					
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	8.99		10.00		89.9	50	150				
Surr: o-Terphenyl	8.66		10.00		86.6	50	150				

Sample ID: 2106391-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/23/2021	RunNo: 68172					
Client ID: BATCH	Batch ID: 32765				Analysis Date: 6/23/2021	SeqNo: 1376121					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	46.3						0		30	
Heavy Oil	ND	92.6						0		30	
Total Petroleum Hydrocarbons	ND	139						0		30	
Surr: 2-Fluorobiphenyl	7.81		9.263		84.3	50	150		0		
Surr: o-Terphenyl	7.66		9.263		82.7	50	150		0		

Sample ID: LCS-32765	SampType: LCS	Units: mg/Kg			Prep Date: 6/23/2021	RunNo: 68172					
Client ID: LCSS	Batch ID: 32765				Analysis Date: 6/23/2021	SeqNo: 1376103					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	497	150	500.0	0	99.3	75.7	116				
Surr: 2-Fluorobiphenyl	9.18		10.00		91.8	50	150				
Surr: o-Terphenyl	10.8		10.00		108	50	150				

Work Order: 2106433
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-32767	SampType: MBLK	Units: µg/Kg	Prep Date: 6/23/2021	RunNo: 68195							
Client ID: MBLKS	Batch ID: 32767		Analysis Date: 6/24/2021	SeqNo: 1376546							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
Acenaphthylene	ND	20.0									
Acenaphthene	ND	20.0									
Fluorene	ND	20.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
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									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2-Fluorobiphenyl	1,280		1,000		128	19	135				
Surr: Terphenyl-d14 (surr)	1,410		1,000		141	42.9	156				

Sample ID: LCS-32767	SampType: LCS	Units: µg/Kg	Prep Date: 6/23/2021	RunNo: 68195							
Client ID: LCSS	Batch ID: 32767		Analysis Date: 6/24/2021	SeqNo: 1376547							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,980	20.0	2,000	0	98.9	62.7	127				
2-Methylnaphthalene	1,990	20.0	2,000	0	99.5	62.7	132				
1-Methylnaphthalene	1,980	20.0	2,000	0	98.8	61.4	131				
Acenaphthylene	1,870	20.0	2,000	0	93.3	62	132				
Acenaphthene	1,920	20.0	2,000	0	96.2	59.2	132				

Work Order: 2106433
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCS-32767	SampType: LCS	Units: µg/Kg	Prep Date: 6/23/2021	RunNo: 68195							
Client ID: LCSS	Batch ID: 32767		Analysis Date: 6/24/2021	SeqNo: 1376547							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,970	20.0	2,000	0	98.6	59.1	136				
Phenanthrene	1,960	40.0	2,000	0	98.0	54.1	139				
Anthracene	1,960	40.0	2,000	0	97.8	55.5	136				
Fluoranthene	2,010	40.0	2,000	0	100	52.8	149				
Pyrene	2,020	40.0	2,000	0	101	53.6	146				
Benz(a)anthracene	1,940	20.0	2,000	0	97.2	49.7	153				
Chrysene	2,070	40.0	2,000	0	103	52.6	147				
Benzo(b)fluoranthene	1,970	20.0	2,000	0	98.3	50.6	151				
Benzo(k)fluoranthene	1,850	20.0	2,000	0	92.4	47.1	155				
Benzo(a)pyrene	2,170	20.0	2,000	0	108	48.3	169				
Indeno(1,2,3-cd)pyrene	1,980	40.0	2,000	0	98.9	52.3	145				
Dibenz(a,h)anthracene	2,010	40.0	2,000	0	100	53	144				
Benzo(g,h,i)perylene	2,000	20.0	2,000	0	100	49.7	144				
Surr: 2-Fluorobiphenyl	1,340		1,000		134	19	135				
Surr: Terphenyl-d14 (surr)	1,450		1,000		145	42.9	156				

Sample ID: 2106433-002AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68195							
Client ID: T8-E25-E18-175	Batch ID: 32767		Analysis Date: 6/24/2021	SeqNo: 1376554							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,650	21.8	2,176	0	75.7	26.5	126				
2-Methylnaphthalene	1,670	21.8	2,176	0	76.8	40.5	117				
1-Methylnaphthalene	1,660	21.8	2,176	0	76.4	37	118				
Acenaphthylene	1,580	21.8	2,176	0	72.5	34.6	121				
Acenaphthene	1,590	21.8	2,176	0	73.2	36.9	114				
Fluorene	1,670	21.8	2,176	0	76.6	36.5	120				
Phenanthrene	1,650	43.5	2,176	0	75.9	29.2	124				
Anthracene	1,620	43.5	2,176	0	74.4	32.9	127				
Fluoranthene	1,670	43.5	2,176	0	76.9	33.2	130				
Pyrene	1,680	43.5	2,176	0	77.4	32	128				

Work Order: 2106433
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2106433-002AMS	SampType: MS	Units: µg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68195							
Client ID: T8-E25-E18-175	Batch ID: 32767		Analysis Date: 6/24/2021	SeqNo: 1376554							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,630	21.8	2,176	6.562	74.5	33	134				
Chrysene	1,690	43.5	2,176	0	77.4	33.1	123				
Benzo(b)fluoranthene	1,530	21.8	2,176	0	70.5	36.3	126				
Benzo(k)fluoranthene	1,580	21.8	2,176	0	72.5	33.2	131				
Benzo(a)pyrene	1,790	21.8	2,176	0	82.2	36.2	148				
Indeno(1,2,3-cd)pyrene	1,650	43.5	2,176	0	75.8	32.8	124				
Dibenz(a,h)anthracene	1,670	43.5	2,176	0	76.6	31.4	126				
Benzo(g,h,i)perylene	1,670	21.8	2,176	3.721	76.7	25.3	122				
Surr: 2-Fluorobiphenyl	1,090		1,088		101	19	135				
Surr: Terphenyl-d14 (surr)	1,180		1,088		109	42.9	156				

Sample ID: 2106433-002AMSD	SampType: MSD	Units: µg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68195							
Client ID: T8-E25-E18-175	Batch ID: 32767		Analysis Date: 6/24/2021	SeqNo: 1376555							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,720	22.1	2,212	0	77.6	26.5	126	1,646	4.14	30	
2-Methylnaphthalene	1,750	22.1	2,212	0	79.0	40.5	117	1,672	4.38	30	
1-Methylnaphthalene	1,740	22.1	2,212	0	78.7	37	118	1,662	4.56	30	
Acenaphthylene	1,670	22.1	2,212	0	75.4	34.6	121	1,578	5.62	30	
Acenaphthene	1,670	22.1	2,212	0	75.4	36.9	114	1,593	4.56	30	
Fluorene	1,760	22.1	2,212	0	79.4	36.5	120	1,666	5.30	30	
Phenanthrene	1,760	44.2	2,212	0	79.4	29.2	124	1,652	6.10	30	
Anthracene	1,730	44.2	2,212	0	78.1	32.9	127	1,619	6.42	30	
Fluoranthene	1,780	44.2	2,212	0	80.2	33.2	130	1,673	5.89	30	
Pyrene	1,780	44.2	2,212	0	80.5	32	128	1,684	5.60	30	
Benz(a)anthracene	1,750	22.1	2,212	6.562	78.6	33	134	1,628	6.97	30	
Chrysene	1,710	44.2	2,212	0	77.4	33.1	123	1,685	1.62	30	
Benzo(b)fluoranthene	1,690	22.1	2,212	0	76.2	36.3	126	1,534	9.42	30	
Benzo(k)fluoranthene	1,600	22.1	2,212	0	72.4	33.2	131	1,577	1.60	30	
Benzo(a)pyrene	1,870	22.1	2,212	0	84.6	36.2	148	1,789	4.45	30	

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2106433-002AMSD	SampType: MSD	Units: µg/Kg-dry		Prep Date: 6/23/2021	RunNo: 68195						
Client ID: T8-E25-E18-175	Batch ID: 32767			Analysis Date: 6/24/2021	SeqNo: 1376555						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,720	44.2	2,212	0	77.6	32.8	124	1,650	3.89	30	
Dibenz(a,h)anthracene	1,740	44.2	2,212	0	78.5	31.4	126	1,668	4.10	30	
Benzo(g,h,i)perylene	1,740	22.1	2,212	3.721	78.7	25.3	122	1,672	4.22	30	
Surr: 2-Fluorobiphenyl	1,140		1,106		103	19	135		0		
Surr: Terphenyl-d14 (surr)	1,250		1,106		113	42.9	156		0		

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32762	SampType: LCS	Units: mg/Kg			Prep Date: 6/23/2021	RunNo: 68171					
Client ID: LCSS	Batch ID: 32762				Analysis Date: 6/23/2021	SeqNo: 1376162					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.4	5.00	25.00	0	93.5	65	135				
Surr: Toluene-d8	1.23		1.250		98.4	65	135				
Surr: 4-Bromofluorobenzene	1.27		1.250		101	65	135				

Sample ID: MB-32762	SampType: MBLK	Units: mg/Kg			Prep Date: 6/23/2021	RunNo: 68171					
Client ID: MBLKS	Batch ID: 32762				Analysis Date: 6/23/2021	SeqNo: 1376163					
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		99.3	65	135				
Surr: 4-Bromofluorobenzene	1.20		1.250		95.6	65	135				

Sample ID: 2106332-011BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/23/2021	RunNo: 68171					
Client ID: BATCH	Batch ID: 32762				Analysis Date: 6/23/2021	SeqNo: 1376169					
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	1.24		1.270		97.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.22		1.270		95.9	65	135		0		

Sample ID: 2106433-004BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 6/23/2021	RunNo: 68171					
Client ID: T8-S03-E21-165	Batch ID: 32762				Analysis Date: 6/24/2021	SeqNo: 1376179					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.59						0		30	
Surr: Toluene-d8	1.38		1.397		98.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.34		1.397		95.7	65	135		0		

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2106332-030BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68171							
Client ID: BATCH	Batch ID: 32762	Analysis Date: 6/24/2021	SeqNo: 1376180								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	34.3	6.24	31.22	3.832	97.7	65	135				
Surr: Toluene-d8	1.54		1.561		98.8	65	135				
Surr: 4-Bromofluorobenzene	1.62		1.561		104	65	135				

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32762	SampType: LCS	Units: mg/Kg				Prep Date: 6/23/2021	RunNo: 68170				
Client ID: LCSS	Batch ID: 32762					Analysis Date: 6/23/2021	SeqNo: 1376139				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.11	0.0500	1.000	0	111	80	120				
Chloromethane	0.968	0.0800	1.000	0	96.8	80	120				
Vinyl chloride	1.00	0.0250	1.000	0	100	80	120				
Bromomethane	1.06	0.150	1.000	0	106	80	120				
Trichlorofluoromethane (CFC-11)	1.01	0.0500	1.000	0	101	80	120				
Chloroethane	0.944	0.120	1.000	0	94.4	80	120				
1,1-Dichloroethene	0.994	0.100	1.000	0	99.4	80	120				
Acetone	2.40	0.500	2.500	0	96.0	80	120				
Methylene chloride	0.976	0.0150	1.000	0	97.6	80	120				
trans-1,2-Dichloroethene	0.979	0.0300	1.000	0	97.9	80	120				
Methyl tert-butyl ether (MTBE)	1.06	0.0300	1.000	0	106	80	120				
1,1-Dichloroethane	0.977	0.0250	1.000	0	97.7	80	120				
cis-1,2-Dichloroethene	0.989	0.0250	1.000	0	98.9	80	120				
(MEK) 2-Butanone	2.52	0.450	2.500	0	101	80	120				
Chloroform	0.982	0.0250	1.000	0	98.2	80	120				
1,1,1-Trichloroethane (TCA)	0.995	0.0250	1.000	0	99.5	80	120				
1,1-Dichloropropene	1.00	0.0250	1.000	0	100	80	120				
Carbon tetrachloride	0.996	0.0750	1.000	0	99.6	80	120				
1,2-Dichloroethane (EDC)	0.995	0.0230	1.000	0	99.5	80	120				
Benzene	0.976	0.0200	1.000	0	97.6	80	120				
Trichloroethene (TCE)	0.999	0.0200	1.000	0	99.9	80	120				
1,2-Dichloropropane	1.01	0.0200	1.000	0	101	80	120				
Bromodichloromethane	0.971	0.0250	1.000	0	97.1	80	120				
Dibromomethane	1.01	0.0200	1.000	0	101	80	120				
cis-1,3-Dichloropropene	0.993	0.0800	1.000	0	99.3	80	120				
Toluene	0.991	0.0300	1.000	0	99.1	80	120				
Trans-1,3-Dichloropropylene	0.997	0.0500	1.000	0	99.7	80	120				
Methyl Isobutyl Ketone (MIBK)	2.54	0.0750	2.500	0	102	80	120				
1,1,2-Trichloroethane	0.996	0.0170	1.000	0	99.6	80	120				
1,3-Dichloropropane	0.994	0.0200	1.000	0	99.4	80	120				

Work Order: 2106433
 CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32762	SampType: LCS	Units: mg/Kg	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: LCSS	Batch ID: 32762		Analysis Date: 6/23/2021	SeqNo: 1376139							
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	0.967	0.0200	1.000	0	96.7	80	120				
1,2-Dibromoethane (EDB)	1.00	0.0100	1.000	0	100	80	120				
2-Hexanone (MBK)	2.50	0.0600	2.500	0	100	80	120				
Chlorobenzene	0.992	0.0250	1.000	0	99.2	80	120				
1,1,1,2-Tetrachloroethane	0.985	0.0200	1.000	0	98.5	80	120				
Ethylbenzene	0.996	0.0250	1.000	0	99.6	80	120				
m,p-Xylene	2.00	0.0500	2.000	0	100	80	120				
o-Xylene	0.995	0.0250	1.000	0	99.5	80	120				
Styrene	1.00	0.0250	1.000	0	100	80	120				
Isopropylbenzene	1.01	0.0300	1.000	0	101	80	120				
Bromoform	1.00	0.0250	1.000	0	100	80	120				
1,1,2,2-Tetrachloroethane	1.02	0.0150	1.000	0	102	80	120				
n-Propylbenzene	1.02	0.0300	1.000	0	102	80	120				
Bromobenzene	1.01	0.0300	1.000	0	101	80	120				
1,3,5-Trimethylbenzene	1.03	0.0250	1.000	0	103	80	120				
2-Chlorotoluene	1.01	0.0300	1.000	0	101	80	120				
4-Chlorotoluene	1.01	0.0300	1.000	0	101	80	120				
tert-Butylbenzene	1.04	0.0300	1.000	0	104	80	120				
1,2,3-Trichloropropane	1.00	0.0250	1.000	0	100	80	120				
1,2,4-Trichlorobenzene	1.01	0.0400	1.000	0	101	80	120				
sec-Butylbenzene	1.04	0.0300	1.000	0	104	80	120				
4-Isopropyltoluene	1.05	0.0300	1.000	0	105	80	120				
1,3-Dichlorobenzene	1.03	0.0350	1.000	0	103	80	120				
1,4-Dichlorobenzene	1.02	0.0300	1.000	0	102	80	120				
n-Butylbenzene	1.04	0.0400	1.000	0	104	80	120				
1,2-Dichlorobenzene	1.02	0.0300	1.000	0	102	80	120				
1,2-Dibromo-3-chloropropane	0.996	0.0600	1.000	0	99.6	80	120				
1,2,4-Trimethylbenzene	1.03	0.0250	1.000	0	103	80	120				
Hexachloro-1,3-butadiene	1.04	0.0500	1.000	0	104	80	120				

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32762	SampType: LCS	Units: mg/Kg	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: LCSS	Batch ID: 32762		Analysis Date: 6/23/2021	SeqNo: 1376139							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.981	0.100	1.000	0	98.1	80	120				
1,2,3-Trichlorobenzene	0.974	0.0500	1.000	0	97.4	80	120				
Surr: Dibromofluoromethane	1.25		1.250		99.7	80	120				
Surr: Toluene-d8	1.26		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		104	80	120				

Sample ID: MB-32762	SampType: MBLK	Units: mg/Kg	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: MBLKS	Batch ID: 32762		Analysis Date: 6/23/2021	SeqNo: 1376140							
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: 2106433
CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32762	SampType: MBLK	Units: mg/Kg	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: MBLKS	Batch ID: 32762		Analysis Date: 6/23/2021	SeqNo: 1376140							
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: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32762	SampType: MBLK	Units: mg/Kg	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: MBLKS	Batch ID: 32762		Analysis Date: 6/23/2021	SeqNo: 1376140							
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	1.23		1.250		98.5	80	120				
Surr: Toluene-d8	1.23		1.250		98.2	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.250		94.9	80	120				

Sample ID: 2106332-011BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: BATCH	Batch ID: 32762		Analysis Date: 6/23/2021	SeqNo: 1376146							
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	
trans-1,2-Dichloroethene	ND	0.0305						0		30	

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106332-011BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: BATCH	Batch ID: 32762		Analysis Date: 6/23/2021	SeqNo: 1376146							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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	0.0610						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	
Styrene	ND	0.0254						0		30	

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106332-011BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: BATCH	Batch ID: 32762		Analysis Date: 6/23/2021	SeqNo: 1376146							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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	0.0610						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	1.24		1.270		98.0	80	120		0		
Surr: Toluene-d8	1.22		1.270		96.4	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.21		1.270		95.1	80	120		0		

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106433-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: T8-S03-E21-165	Batch ID: 32762		Analysis Date: 6/24/2021	SeqNo: 1376156							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0559						0		30	
Chloromethane	ND	0.0894						0		30	
Vinyl chloride	ND	0.0279						0		30	
Bromomethane	ND	0.168						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0559						0		30	
Chloroethane	ND	0.134						0		30	
1,1-Dichloroethene	ND	0.112						0		30	
Acetone	ND	0.559						0		30	
Methylene chloride	ND	0.0168						0		30	
trans-1,2-Dichloroethene	ND	0.0335						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0335						0		30	
1,1-Dichloroethane	ND	0.0279						0		30	
cis-1,2-Dichloroethene	ND	0.0279						0		30	
(MEK) 2-Butanone	ND	0.503						0		30	
Chloroform	ND	0.0279						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0279						0		30	
1,1-Dichloropropene	ND	0.0279						0		30	
Carbon tetrachloride	ND	0.0838						0		30	
1,2-Dichloroethane (EDC)	ND	0.0257						0		30	
Benzene	ND	0.0224						0		30	
Trichloroethene (TCE)	ND	0.0224						0		30	
1,2-Dichloropropane	ND	0.0224						0		30	
Bromodichloromethane	ND	0.0279						0		30	
Dibromomethane	ND	0.0224						0		30	
cis-1,3-Dichloropropene	ND	0.0894						0		30	
Toluene	ND	0.0335						0		30	
Trans-1,3-Dichloropropylene	ND	0.0559						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0838						0		30	
1,1,2-Trichloroethane	ND	0.0190						0		30	
1,3-Dichloropropane	ND	0.0224						0		30	

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106433-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: T8-S03-E21-165	Batch ID: 32762		Analysis Date: 6/24/2021	SeqNo: 1376156							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0447						0		30	
Dibromochloromethane	ND	0.0224						0		30	
1,2-Dibromoethane (EDB)	ND	0.0112						0		30	
2-Hexanone (MBK)	ND	0.0671						0		30	
Chlorobenzene	ND	0.0279						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0224						0		30	
Ethylbenzene	ND	0.0279						0		30	
m,p-Xylene	ND	0.0559						0		30	
o-Xylene	ND	0.0279						0		30	
Styrene	ND	0.0279						0		30	
Isopropylbenzene	ND	0.0335						0		30	
Bromoform	ND	0.0279						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0168						0		30	
n-Propylbenzene	ND	0.0335						0		30	
Bromobenzene	ND	0.0335						0		30	
1,3,5-Trimethylbenzene	ND	0.0279						0		30	
2-Chlorotoluene	ND	0.0335						0		30	
4-Chlorotoluene	ND	0.0335						0		30	
tert-Butylbenzene	ND	0.0335						0		30	
1,2,3-Trichloropropane	ND	0.0279						0		30	
1,2,4-Trichlorobenzene	ND	0.0447						0		30	
sec-Butylbenzene	ND	0.0335						0		30	
4-Isopropyltoluene	ND	0.0335						0		30	
1,3-Dichlorobenzene	ND	0.0391						0		30	
1,4-Dichlorobenzene	ND	0.0335						0		30	
n-Butylbenzene	ND	0.0447						0		30	
1,2-Dichlorobenzene	ND	0.0335						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0671						0		30	
1,2,4-Trimethylbenzene	ND	0.0279						0		30	
Hexachloro-1,3-butadiene	ND	0.0559						0		30	

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106433-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: T8-S03-E21-165	Batch ID: 32762		Analysis Date: 6/24/2021	SeqNo: 1376156							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.112						0		30	
1,2,3-Trichlorobenzene	ND	0.0559						0		30	
Surr: Dibromofluoromethane	1.37		1.397		98.4	80	120		0		
Surr: Toluene-d8	1.35		1.397		96.5	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.33		1.397		94.9	80	120		0		

Sample ID: 2106332-018BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: BATCH	Batch ID: 32762		Analysis Date: 6/24/2021	SeqNo: 1376157							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.567	0.0568	1.135	0	50.0	5	173				
Chloromethane	0.756	0.0908	1.135	0	66.6	39.5	138				
Vinyl chloride	0.883	0.0284	1.135	0	77.8	41.9	145				
Bromomethane	1.09	0.170	1.135	0	96.1	63.4	160				
Trichlorofluoromethane (CFC-11)	1.07	0.0568	1.135	0	94.5	32.4	158				
Chloroethane	0.933	0.136	1.135	0	82.2	40.1	160				
1,1-Dichloroethene	1.05	0.114	1.135	0	92.9	62.1	135				
Acetone	3.10	0.568	2.838	0	109	45.8	168				
Methylene chloride	1.11	0.0170	1.135	0	98.2	65.6	137				
trans-1,2-Dichloroethene	1.10	0.0341	1.135	0	96.9	65.4	137				
Methyl tert-butyl ether (MTBE)	1.25	0.0341	1.135	0	110	48.1	157				
1,1-Dichloroethane	1.12	0.0284	1.135	0	98.6	61.9	142				
cis-1,2-Dichloroethene	1.11	0.0284	1.135	0	97.7	81.9	124				
(MEK) 2-Butanone	3.11	0.511	2.838	0	110	56	144				
Chloroform	1.13	0.0284	1.135	0	99.7	79.3	127				
1,1,1-Trichloroethane (TCA)	1.14	0.0284	1.135	0	101	80	121				
1,1-Dichloropropene	1.12	0.0284	1.135	0	98.5	76.4	127				
Carbon tetrachloride	1.12	0.0851	1.135	0	98.8	68.6	130				
1,2-Dichloroethane (EDC)	1.16	0.0261	1.135	0	103	70.1	137				
Benzene	1.12	0.0227	1.135	0	98.9	80	123				

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106332-018BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68170
Client ID: BATCH	Batch ID: 32762		Analysis Date: 6/24/2021	SeqNo: 1376157

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	1.15	0.0227	1.135	0	102	79	130				
1,2-Dichloropropane	1.16	0.0227	1.135	0	102	80	121				
Bromodichloromethane	1.13	0.0284	1.135	0	99.7	72.8	124				
Dibromomethane	1.18	0.0227	1.135	0	104	77.2	122				
cis-1,3-Dichloropropene	1.09	0.0908	1.135	0	95.6	75.1	121				
Toluene	1.14	0.0341	1.135	0	100	80	125				
Trans-1,3-Dichloropropylene	1.13	0.0568	1.135	0	99.8	73.9	122				
Methyl Isobutyl Ketone (MIBK)	3.16	0.0851	2.838	0	111	47.1	154				
1,1,2-Trichloroethane	1.19	0.0193	1.135	0	105	76.2	123				
1,3-Dichloropropane	1.17	0.0227	1.135	0	103	67.2	131				
Tetrachloroethene (PCE)	1.16	0.0454	1.135	0	102	77.2	128				
Dibromochloromethane	1.13	0.0227	1.135	0	99.4	63.3	129				
1,2-Dibromoethane (EDB)	1.18	0.0114	1.135	0	104	75.1	124				
2-Hexanone (MBK)	3.18	0.0681	2.838	0	112	40.5	170				
Chlorobenzene	1.14	0.0284	1.135	0	100	80	120				
1,1,1,2-Tetrachloroethane	1.15	0.0227	1.135	0	101	80	120				
Ethylbenzene	1.14	0.0284	1.135	0	100	80	133				
m,p-Xylene	2.29	0.0568	2.270	0	101	80	129				
o-Xylene	1.12	0.0284	1.135	0	98.6	73.4	131				
Styrene	1.15	0.0284	1.135	0	101	77.4	125				
Isopropylbenzene	1.13	0.0341	1.135	0	99.4	76.7	132				
Bromoform	1.15	0.0284	1.135	0	101	69.7	127				
1,1,1,2,2-Tetrachloroethane	1.23	0.0170	1.135	0	108	62.8	132				
n-Propylbenzene	1.25	0.0341	1.135	0	110	77.2	134				
Bromobenzene	1.15	0.0341	1.135	0	101	77.2	125				
1,3,5-Trimethylbenzene	1.22	0.0284	1.135	0	108	79.8	125				
2-Chlorotoluene	1.20	0.0341	1.135	0	106	78.3	127				
4-Chlorotoluene	1.21	0.0341	1.135	0	107	79.9	123				
tert-Butylbenzene	1.22	0.0341	1.135	0	107	74.7	132				
1,2,3-Trichloropropane	1.36	0.0284	1.135	0	120	65.9	128				

Work Order: 2106433
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106332-018BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 6/23/2021	RunNo: 68170							
Client ID: BATCH	Batch ID: 32762		Analysis Date: 6/24/2021	SeqNo: 1376157							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	1.12	0.0454	1.135	0	98.6	78.5	129				
sec-Butylbenzene	1.22	0.0341	1.135	0	107	73.8	135				
4-Isopropyltoluene	1.23	0.0341	1.135	0	109	73.9	134				
1,3-Dichlorobenzene	1.15	0.0397	1.135	0	101	80	123				
1,4-Dichlorobenzene	1.14	0.0341	1.135	0	100	80	122				
n-Butylbenzene	1.12	0.0454	1.135	0	98.5	80	130				
1,2-Dichlorobenzene	1.15	0.0341	1.135	0	101	80	120				
1,2-Dibromo-3-chloropropane	1.17	0.0681	1.135	0	103	66.1	131				
1,2,4-Trimethylbenzene	1.22	0.0284	1.135	0	108	80	124				
Hexachloro-1,3-butadiene	1.10	0.0568	1.135	0	97.2	70.9	135				
Naphthalene	1.17	0.114	1.135	0	103	53.8	164				
1,2,3-Trichlorobenzene	1.14	0.0568	1.135	0	101	75.8	131				
Surr: Dibromofluoromethane	1.45		1.419		102	80	120				
Surr: Toluene-d8	1.45		1.419		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.48		1.419		104	80	120				

Client Name: AC	Work Order Number: 2106433
Logged by: Clare Griggs	Date Received: 6/23/2021 2:51:00 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	2.3

* 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: 6/23/21 Page: 1 of 1
Project Name: Skanska The Eight Redevelopment
Project No: 18058-1
Special Remarks: 2110433

Client: Aspect Consulting
Address: 710 2nd Ave Ste. 550
City, State, zip: Seattle, WA, 98104

Collected by: Baxter Call

Location:

Report To (PM): Ali Cochran, Amelia Bates

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

PM Email: aliochran@aspectconsulting.com
aliochran@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 TB-19-05	6/23/21	1200	A	1	X	X	X	X	X	X	X	X	X	X	X	X	
2 TB-E225-E18-175E-18E		1045	S	3	X	X	X	X	X	X	X	X	X	X	X	X	
3 TB-E226-E22-165		1325	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
4 TB-503-E21-165		1336	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
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 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

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: Baxter Call Date/Time: 6/23/21 14:30
 Received (Signature): [Signature] Print Name: [Signature] Date/Time: 6/23/21 14:30



Aspect Consulting

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

RE: Skanska The Eight Redevelopment
Work Order Number: 2106448

June 25, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 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
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:
Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2106448

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106448-001	T8-S09-E24-165	06/24/2021 8:00 AM	06/24/2021 9:17 AM
2106448-002	T8-S07-E21-165	06/24/2021 8:10 AM	06/24/2021 9:17 AM
2106448-003	T8-TB-06	06/04/2021 12:13 PM	06/24/2021 9:17 AM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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 8:00:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106448-001

Matrix: Soil

Client Sample ID: T8-S09-E24-165

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)	ND	55.0		mg/Kg-dry	1	6/24/2021 1:06:57 PM
Heavy Oil	ND	110		mg/Kg-dry	1	6/24/2021 1:06:57 PM
Total Petroleum Hydrocarbons	ND	165		mg/Kg-dry	1	6/24/2021 1:06:57 PM
Surr: 2-Fluorobiphenyl	90.0	50 - 150		%Rec	1	6/24/2021 1:06:57 PM
Surr: o-Terphenyl	99.0	50 - 150		%Rec	1	6/24/2021 1:06:57 PM

Gasoline by NWTPH-Gx

Batch ID: 32783

Analyst: CR

Gasoline	ND	5.22		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Surr: Toluene-d8	99.6	65 - 135		%Rec	1	6/24/2021 10:58:34 PM
Surr: 4-Bromofluorobenzene	98.5	65 - 135		%Rec	1	6/24/2021 10:58:34 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0522		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Chloromethane	ND	0.0836		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Vinyl chloride	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Bromomethane	ND	0.157		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Trichlorofluoromethane (CFC-11)	ND	0.0522		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Chloroethane	ND	0.125		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,1-Dichloroethene	ND	0.104		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Acetone	ND	0.522		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Methylene chloride	ND	0.0157		mg/Kg-dry	1	6/24/2021 10:58:34 PM
trans-1,2-Dichloroethene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Methyl tert-butyl ether (MTBE)	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,1-Dichloroethane	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
cis-1,2-Dichloroethene	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
(MEK) 2-Butanone	ND	0.470		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Chloroform	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,1,1-Trichloroethane (TCA)	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,1-Dichloropropene	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Carbon tetrachloride	ND	0.0783		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,2-Dichloroethane (EDC)	ND	0.0240		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Benzene	ND	0.0209		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Trichloroethene (TCE)	ND	0.0209		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,2-Dichloropropane	ND	0.0209		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Bromodichloromethane	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Dibromomethane	ND	0.0209		mg/Kg-dry	1	6/24/2021 10:58:34 PM
cis-1,3-Dichloropropene	ND	0.0836		mg/Kg-dry	1	6/24/2021 10:58:34 PM



Client: Aspect Consulting

Collection Date: 6/24/2021 8:00:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106448-001

Matrix: Soil

Client Sample ID: T8-S09-E24-165

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	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Trans-1,3-Dichloropropylene	ND	0.0522		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0783		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,1,2-Trichloroethane	ND	0.0178		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,3-Dichloropropane	ND	0.0209		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Tetrachloroethene (PCE)	ND	0.0418		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Dibromochloromethane	ND	0.0209		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,2-Dibromoethane (EDB)	ND	0.0104		mg/Kg-dry	1	6/24/2021 10:58:34 PM
2-Hexanone (MBK)	ND	0.0627		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Chlorobenzene	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,1,1,2-Tetrachloroethane	ND	0.0209		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Ethylbenzene	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
m,p-Xylene	ND	0.0522		mg/Kg-dry	1	6/24/2021 10:58:34 PM
o-Xylene	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Styrene	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Isopropylbenzene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Bromoform	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,1,2,2-Tetrachloroethane	ND	0.0157		mg/Kg-dry	1	6/24/2021 10:58:34 PM
n-Propylbenzene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Bromobenzene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,3,5-Trimethylbenzene	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
2-Chlorotoluene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
4-Chlorotoluene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
tert-Butylbenzene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,2,3-Trichloropropane	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,2,4-Trichlorobenzene	ND	0.0418		mg/Kg-dry	1	6/24/2021 10:58:34 PM
sec-Butylbenzene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
4-Isopropyltoluene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,3-Dichlorobenzene	ND	0.0366		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,4-Dichlorobenzene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
n-Butylbenzene	ND	0.0418		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,2-Dichlorobenzene	ND	0.0313		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,2-Dibromo-3-chloropropane	ND	0.0627		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,2,4-Trimethylbenzene	ND	0.0261		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Hexachloro-1,3-butadiene	ND	0.0522		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Naphthalene	ND	0.104		mg/Kg-dry	1	6/24/2021 10:58:34 PM
1,2,3-Trichlorobenzene	ND	0.0522		mg/Kg-dry	1	6/24/2021 10:58:34 PM
Surr: Dibromofluoromethane	98.3	80 - 120		%Rec	1	6/24/2021 10:58:34 PM
Surr: Toluene-d8	98.1	80 - 120		%Rec	1	6/24/2021 10:58:34 PM



Client: Aspect Consulting

Collection Date: 6/24/2021 8:00:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106448-001

Matrix: Soil

Client Sample ID: T8-S09-E24-165

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

97.8

80 - 120

%Rec

1

6/24/2021 10:58:34 PM

Sample Moisture (Percent Moisture)

Batch ID: R68176

Analyst: MCH

Percent Moisture

9.52

0.500

wt%

1

6/24/2021 9:32:55 AM



Client: Aspect Consulting

Collection Date: 6/24/2021 8:10:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106448-002

Matrix: Soil

Client Sample ID: T8-S07-E21-165

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)	ND	51.6		mg/Kg-dry	1	6/24/2021 1:19:46 PM
Heavy Oil	ND	103		mg/Kg-dry	1	6/24/2021 1:19:46 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	6/24/2021 1:19:46 PM
Surr: 2-Fluorobiphenyl	85.1	50 - 150		%Rec	1	6/24/2021 1:19:46 PM
Surr: o-Terphenyl	93.7	50 - 150		%Rec	1	6/24/2021 1:19:46 PM

Gasoline by NWTPH-Gx

Batch ID: 32783

Analyst: CR

Gasoline	ND	6.15		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	6/24/2021 11:29:12 PM
Surr: 4-Bromofluorobenzene	97.2	65 - 135		%Rec	1	6/24/2021 11:29:12 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32783

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0615		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Chloromethane	ND	0.0984		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Vinyl chloride	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Bromomethane	ND	0.184		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Trichlorofluoromethane (CFC-11)	ND	0.0615		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Chloroethane	ND	0.148		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,1-Dichloroethene	ND	0.123		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Acetone	ND	0.615		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Methylene chloride	ND	0.0184		mg/Kg-dry	1	6/24/2021 11:29:12 PM
trans-1,2-Dichloroethene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Methyl tert-butyl ether (MTBE)	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,1-Dichloroethane	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
cis-1,2-Dichloroethene	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
(MEK) 2-Butanone	ND	0.553		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Chloroform	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,1,1-Trichloroethane (TCA)	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,1-Dichloropropene	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Carbon tetrachloride	ND	0.0922		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,2-Dichloroethane (EDC)	ND	0.0283		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Benzene	ND	0.0246		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Trichloroethene (TCE)	ND	0.0246		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,2-Dichloropropane	ND	0.0246		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Bromodichloromethane	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Dibromomethane	ND	0.0246		mg/Kg-dry	1	6/24/2021 11:29:12 PM
cis-1,3-Dichloropropene	ND	0.0984		mg/Kg-dry	1	6/24/2021 11:29:12 PM



Analytical Report

Work Order: 2106448
Date Reported: 6/25/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106448-002
Client Sample ID: T8-S07-E21-165

Collection Date: 6/24/2021 8:10:00 AM
Matrix: Soil

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	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Trans-1,3-Dichloropropylene	ND	0.0615		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0922		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,1,2-Trichloroethane	ND	0.0209		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,3-Dichloropropane	ND	0.0246		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Tetrachloroethene (PCE)	ND	0.0492		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Dibromochloromethane	ND	0.0246		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,2-Dibromoethane (EDB)	ND	0.0123		mg/Kg-dry	1	6/24/2021 11:29:12 PM
2-Hexanone (MBK)	ND	0.0738		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Chlorobenzene	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,1,1,2-Tetrachloroethane	ND	0.0246		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Ethylbenzene	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
m,p-Xylene	ND	0.0615		mg/Kg-dry	1	6/24/2021 11:29:12 PM
o-Xylene	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Styrene	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Isopropylbenzene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Bromoform	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,1,2,2-Tetrachloroethane	ND	0.0184		mg/Kg-dry	1	6/24/2021 11:29:12 PM
n-Propylbenzene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Bromobenzene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,3,5-Trimethylbenzene	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
2-Chlorotoluene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
4-Chlorotoluene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
tert-Butylbenzene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,2,3-Trichloropropane	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,2,4-Trichlorobenzene	ND	0.0492		mg/Kg-dry	1	6/24/2021 11:29:12 PM
sec-Butylbenzene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
4-Isopropyltoluene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,3-Dichlorobenzene	ND	0.0430		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,4-Dichlorobenzene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
n-Butylbenzene	ND	0.0492		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,2-Dichlorobenzene	ND	0.0369		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,2-Dibromo-3-chloropropane	ND	0.0738		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,2,4-Trimethylbenzene	ND	0.0307		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Hexachloro-1,3-butadiene	ND	0.0615		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Naphthalene	ND	0.123		mg/Kg-dry	1	6/24/2021 11:29:12 PM
1,2,3-Trichlorobenzene	ND	0.0615		mg/Kg-dry	1	6/24/2021 11:29:12 PM
Surr: Dibromofluoromethane	98.7	80 - 120		%Rec	1	6/24/2021 11:29:12 PM
Surr: Toluene-d8	98.0	80 - 120		%Rec	1	6/24/2021 11:29:12 PM



Client: Aspect Consulting

Collection Date: 6/24/2021 8:10:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106448-002

Matrix: Soil

Client Sample ID: T8-S07-E21-165

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	96.5	80 - 120		%Rec	1	6/24/2021 11:29:12 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68176 Analyst: MCH

Percent Moisture	8.45	0.500		wt%	1	6/24/2021 9:32:55 AM
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Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2106448-003
Client Sample ID: T8-TB-06

Collection Date: 6/4/2021 12:13:00 PM
Matrix: Soil

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

Batch ID: 32783 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0401	H	mg/Kg	1	6/24/2021 5:51:13 PM
Chloromethane	ND	0.0642	H	mg/Kg	1	6/24/2021 5:51:13 PM
Vinyl chloride	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
Bromomethane	ND	0.120	H	mg/Kg	1	6/24/2021 5:51:13 PM
Trichlorofluoromethane (CFC-11)	ND	0.0401	H	mg/Kg	1	6/24/2021 5:51:13 PM
Chloroethane	ND	0.0962	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,1-Dichloroethene	ND	0.0802	H	mg/Kg	1	6/24/2021 5:51:13 PM
Acetone	ND	0.401	H	mg/Kg	1	6/24/2021 5:51:13 PM
Methylene chloride	ND	0.0120	H	mg/Kg	1	6/24/2021 5:51:13 PM
trans-1,2-Dichloroethene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
Methyl tert-butyl ether (MTBE)	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,1-Dichloroethane	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
cis-1,2-Dichloroethene	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
(MEK) 2-Butanone	ND	0.361	H	mg/Kg	1	6/24/2021 5:51:13 PM
Chloroform	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,1,1-Trichloroethane (TCA)	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,1-Dichloropropene	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
Carbon tetrachloride	ND	0.0601	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,2-Dichloroethane (EDC)	ND	0.0184	H	mg/Kg	1	6/24/2021 5:51:13 PM
Benzene	ND	0.0160	H	mg/Kg	1	6/24/2021 5:51:13 PM
Trichloroethene (TCE)	ND	0.0160	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,2-Dichloropropane	ND	0.0160	H	mg/Kg	1	6/24/2021 5:51:13 PM
Bromodichloromethane	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
Dibromomethane	ND	0.0160	H	mg/Kg	1	6/24/2021 5:51:13 PM
cis-1,3-Dichloropropene	ND	0.0642	H	mg/Kg	1	6/24/2021 5:51:13 PM
Toluene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
Trans-1,3-Dichloropropylene	ND	0.0401	H	mg/Kg	1	6/24/2021 5:51:13 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0601	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,1,2-Trichloroethane	ND	0.0136	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,3-Dichloropropane	ND	0.0160	H	mg/Kg	1	6/24/2021 5:51:13 PM
Tetrachloroethene (PCE)	ND	0.0321	H	mg/Kg	1	6/24/2021 5:51:13 PM
Dibromochloromethane	ND	0.0160	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,2-Dibromoethane (EDB)	ND	0.00802	H	mg/Kg	1	6/24/2021 5:51:13 PM
2-Hexanone (MBK)	ND	0.0481	H	mg/Kg	1	6/24/2021 5:51:13 PM
Chlorobenzene	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,1,1,2-Tetrachloroethane	ND	0.0160	H	mg/Kg	1	6/24/2021 5:51:13 PM
Ethylbenzene	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
m,p-Xylene	ND	0.0401	H	mg/Kg	1	6/24/2021 5:51:13 PM
o-Xylene	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM



Client: Aspect Consulting

Collection Date: 6/4/2021 12:13:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2106448-003

Matrix: Soil

Client Sample ID: T8-TB-06

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

Batch ID: 32783

Analyst: CR

Styrene	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
Isopropylbenzene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
Bromoform	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,1,2,2-Tetrachloroethane	ND	0.0120	H	mg/Kg	1	6/24/2021 5:51:13 PM
n-Propylbenzene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
Bromobenzene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,3,5-Trimethylbenzene	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
2-Chlorotoluene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
4-Chlorotoluene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
tert-Butylbenzene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,2,3-Trichloropropane	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,2,4-Trichlorobenzene	ND	0.0321	H	mg/Kg	1	6/24/2021 5:51:13 PM
sec-Butylbenzene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
4-Isopropyltoluene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,3-Dichlorobenzene	ND	0.0281	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,4-Dichlorobenzene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
n-Butylbenzene	ND	0.0321	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,2-Dichlorobenzene	ND	0.0241	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,2-Dibromo-3-chloropropane	ND	0.0481	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,2,4-Trimethylbenzene	ND	0.0200	H	mg/Kg	1	6/24/2021 5:51:13 PM
Hexachloro-1,3-butadiene	ND	0.0401	H	mg/Kg	1	6/24/2021 5:51:13 PM
Naphthalene	ND	0.0802	H	mg/Kg	1	6/24/2021 5:51:13 PM
1,2,3-Trichlorobenzene	ND	0.0401	H	mg/Kg	1	6/24/2021 5:51:13 PM
Surr: Dibromofluoromethane	99.3	80 - 120	H	%Rec	1	6/24/2021 5:51:13 PM
Surr: Toluene-d8	98.0	80 - 120	H	%Rec	1	6/24/2021 5:51:13 PM
Surr: 1-Bromo-4-fluorobenzene	94.4	80 - 120	H	%Rec	1	6/24/2021 5:51:13 PM

Work Order: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S07-E21-165	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: T8-S07-E21-165	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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S07-E21-165	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: BATCH	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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S07-E21-165	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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S09-E24-165	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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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				
1,1,1,2,2-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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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	0.00641						0		30	
Chloromethane	ND	0.0103						0		30	
Vinyl chloride	ND	0.00321						0		30	
Bromomethane	ND	0.0192						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.00641						0		30	
Chloroethane	ND	0.0154						0		30	
1,1-Dichloroethene	ND	0.0128						0		30	
Acetone	ND	0.0641						0		30	
Methylene chloride	ND	0.00192						0		30	

Work Order: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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	0.00385						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.00385						0		30	
1,1-Dichloroethane	ND	0.00321						0		30	
cis-1,2-Dichloroethene	ND	0.00321						0		30	
(MEK) 2-Butanone	ND	0.0577						0		30	
Chloroform	ND	0.00321						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.00321						0		30	
1,1-Dichloropropene	ND	0.00321						0		30	
Carbon tetrachloride	ND	0.00962						0		30	
1,2-Dichloroethane (EDC)	ND	0.00295						0		30	
Benzene	0.00357	0.00256						0.003697	3.36	30	
Trichloroethene (TCE)	ND	0.00256						0		30	
1,2-Dichloropropane	ND	0.00256						0		30	
Bromodichloromethane	ND	0.00321						0		30	
Dibromomethane	ND	0.00256						0		30	
cis-1,3-Dichloropropene	ND	0.0103						0		30	
Toluene	ND	0.00385						0		30	
Trans-1,3-Dichloropropylene	ND	0.00641						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.00962						0		30	
1,1,2-Trichloroethane	ND	0.00218						0		30	
1,3-Dichloropropane	ND	0.00256						0		30	
Tetrachloroethene (PCE)	ND	0.00513						0		30	
Dibromochloromethane	ND	0.00256						0		30	
1,2-Dibromoethane (EDB)	ND	0.00128						0		30	
2-Hexanone (MBK)	ND	0.00769						0		30	
Chlorobenzene	ND	0.00321						0		30	
1,1,1,2-Tetrachloroethane	ND	0.00256						0		30	
Ethylbenzene	ND	0.00321						0		30	
m,p-Xylene	ND	0.00641						0		30	
o-Xylene	ND	0.00321						0		30	



Work Order: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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	0.00321						0		30	
Isopropylbenzene	ND	0.00385						0		30	
Bromoform	ND	0.00321						0		30	
1,1,2,2-Tetrachloroethane	ND	0.00192						0		30	
n-Propylbenzene	ND	0.00385						0		30	
Bromobenzene	ND	0.00385						0		30	
1,3,5-Trimethylbenzene	ND	0.00321						0		30	
2-Chlorotoluene	ND	0.00385						0		30	
4-Chlorotoluene	ND	0.00385						0		30	
tert-Butylbenzene	ND	0.00385						0		30	
1,2,3-Trichloropropane	ND	0.00321						0		30	
1,2,4-Trichlorobenzene	ND	0.00513						0		30	
sec-Butylbenzene	ND	0.00385						0		30	
4-Isopropyltoluene	ND	0.00385						0		30	
1,3-Dichlorobenzene	ND	0.00449						0		30	
1,4-Dichlorobenzene	ND	0.00385						0		30	
n-Butylbenzene	ND	0.00513						0		30	
1,2-Dichlorobenzene	ND	0.00385						0		30	
1,2-Dibromo-3-chloropropane	ND	0.00769						0		30	
1,2,4-Trimethylbenzene	ND	0.00321						0		30	
Hexachloro-1,3-butadiene	ND	0.00641						0		30	
Naphthalene	ND	0.0128						0		30	
1,2,3-Trichlorobenzene	ND	0.00641						0		30	
Surr: Dibromofluoromethane	0.159		0.1603		99.0	80	120		0		
Surr: Toluene-d8	0.154		0.1603		96.3	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.308		0.8014		38.5	80	120		0		S

NOTES:

S - Outlying surrogate recovery(ies) observed.

Work Order: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S07-E21-165	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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S07-E21-165	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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S07-E21-165	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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 2106448
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: **2106448**

 Logged by: **Gabrielle Coeuille**

 Date Received: **6/24/2021 9:17:53 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	5.6

* 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: 6/24/21 Page: 1 of 1

Project Name: Skanska ITA East Redevelopment

Project No: 190587

Collected by: Baxter Call

Location:

Report To (PM): Ali Cochrane, Amelia Ortes

PM Email: acochrane@aspectconsulting.com

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

Laboratory Project No (Internal): 2110448
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 TB-809-E224-165	6/24/21	0800	S	3	X	X	X	X	X	X	X	X	X	X	X	X	
2 TB-507-E21-165		0815	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
3 TB-TB-06		0830	A	1	X	X	X	X	X	X	X	X	X	X	X	X	
4																	
5																	
6																	
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 RGA-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 _____
 Relinquished (Signature) _____ Print Name _____ 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: Skanska The Eight Redevelopment
Work Order Number: 2106477

June 25, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 6/25/2021 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:
Amelia Oates

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



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2106477

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2106477-001	T8-E25-E17-175	06/25/2021 8:30 AM	06/25/2021 11:42 AM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 6/25/2021 8:30:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2106477-001

Matrix: Soil

Client Sample ID: T8-E25-E17-175

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

Batch ID: 32792

Analyst: MM

Diesel (Fuel Oil)	ND	55.7		mg/Kg-dry	1	6/25/2021 2:57:12 PM
Heavy Oil	ND	111		mg/Kg-dry	1	6/25/2021 2:57:12 PM
Total Petroleum Hydrocarbons	ND	167		mg/Kg-dry	1	6/25/2021 2:57:12 PM
Surr: 2-Fluorobiphenyl	108	50 - 150		%Rec	1	6/25/2021 2:57:12 PM
Surr: o-Terphenyl	108	50 - 150		%Rec	1	6/25/2021 2:57:12 PM

Sample Moisture (Percent Moisture)

Batch ID: R68222

Analyst: RL

Percent Moisture	12.2	0.500		wt%	1	6/25/2021 12:21:27 PM
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Work Order: 2106477
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32792	SampType: MBLK	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68224							
Client ID: MBLKS	Batch ID: 32792		Analysis Date: 6/25/2021	SeqNo: 1377503							
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	9.19		10.00		91.9	50	150				
Surr: o-Terphenyl	9.11		10.00		91.1	50	150				

Sample ID: LCS-32792	SampType: LCS	Units: mg/Kg	Prep Date: 6/25/2021	RunNo: 68224							
Client ID: LCSS	Batch ID: 32792		Analysis Date: 6/25/2021	SeqNo: 1377504							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	521	150	500.0	0	104	75.7	116				
Surr: 2-Fluorobiphenyl	9.52		10.00		95.2	50	150				
Surr: o-Terphenyl	10.5		10.00		105	50	150				

Client Name: **AC**

 Work Order Number: **2106477**

 Logged by: **Carissa True**

 Date Received: **6/25/2021 11:42:35 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	5.4

* 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: 6/25/21 Page: 1 of 1

Project Name: Skanska The Eight Redevelopment

Project No: 183587

Collected by: Baxter Call

Location:

Report To (PM): Ale Cochran, Amelia Oates

PM Email: acochran@aspetconsulting.com, aates@aspetconsulting.com

Laboratory Project No (Internal): 2106477

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 - SIM)	PAHs (EPA 8270 / 625)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (C)***	EDB (8011)				
1 TB-E25-E17-175	6/25/21	0830	S	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): 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) Baxter Call Print Name Baxter Call Date/Time 6/25/21 11:35 Received (Signature) Oliver Kwon Print Name Oliver Kwon Date/Time 6/25/21 11:42

Relinquished (Signature) Baxter Call Print Name Baxter Call Date/Time 6/25/21 11:35 Received (Signature) Oliver Kwon Print Name Oliver Kwon Date/Time 6/25/21 11:42



Aspect Consulting

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

RE: Skanska the 8
Work Order Number: 2107043

July 07, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 6 sample(s) on 7/2/2021 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:
Amelia Oates

CLIENT: Aspect Consulting
Project: Skanska the 8
Work Order: 2107043

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107043-001	T8-S19-E13-150	07/02/2021 10:34 AM	07/02/2021 11:58 AM
2107043-002	T8-S20-E21-160	07/02/2021 9:35 AM	07/02/2021 11:58 AM
2107043-003	T8-S20-E24-165	07/02/2021 9:26 AM	07/02/2021 11:58 AM
2107043-004	T8-S21-E19-160	07/02/2021 10:05 AM	07/02/2021 11:58 AM
2107043-005	T8-S22-E20-160	07/02/2021 10:11 AM	07/02/2021 11:58 AM
2107043-006	T8-TB-07		07/02/2021 11:58 AM

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

CLIENT: Aspect Consulting

Project: Skanska the 8

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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- B - Analyte detected in the associated Method Blank
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- J - Analyte detected below Reporting Limit
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- 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:

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- 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: 7/2/2021 10:34:00 AM

Project: Skanska the 8

Lab ID: 2107043-001

Matrix: Soil

Client Sample ID: T8-S19-E13-150

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

Batch ID: 32876

Analyst: MM

Diesel (Fuel Oil)	ND	51.4		mg/Kg-dry	1	7/2/2021 9:45:23 PM
Heavy Oil	ND	103		mg/Kg-dry	1	7/2/2021 9:45:23 PM
Total Petroleum Hydrocarbons	ND	154		mg/Kg-dry	1	7/2/2021 9:45:23 PM
Surr: 2-Fluorobiphenyl	91.2	50 - 150		%Rec	1	7/2/2021 9:45:23 PM
Surr: o-Terphenyl	98.0	50 - 150		%Rec	1	7/2/2021 9:45:23 PM

Gasoline by NWTPH-Gx

Batch ID: 32879

Analyst: KT

Gasoline	ND	4.69		mg/Kg-dry	1	7/7/2021 1:34:31 AM
Gasoline Range Organics (C6-C12)	7.30	4.69		mg/Kg-dry	1	7/7/2021 1:34:31 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	7/7/2021 1:34:31 AM
Surr: 4-Bromofluorobenzene	94.3	65 - 135		%Rec	1	7/7/2021 1:34:31 AM

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12). Pattern does not resemble a known petroleum distillate.

Sample Moisture (Percent Moisture)

Batch ID: R68349

Analyst: OK

Percent Moisture	7.99	0.500		wt%	1	7/2/2021 1:25:33 PM
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Client: Aspect Consulting

Collection Date: 7/2/2021 9:35:00 AM

Project: Skanska the 8

Lab ID: 2107043-002

Matrix: Soil

Client Sample ID: T8-S20-E21-160

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

Batch ID: 32876 Analyst: MM

Diesel (Fuel Oil)	ND	49.5		mg/Kg-dry	1	7/2/2021 9:58:32 PM
Heavy Oil	ND	99.0		mg/Kg-dry	1	7/2/2021 9:58:32 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	7/2/2021 9:58:32 PM
Surr: 2-Fluorobiphenyl	75.2	50 - 150		%Rec	1	7/2/2021 9:58:32 PM
Surr: o-Terphenyl	82.6	50 - 150		%Rec	1	7/2/2021 9:58:32 PM

Gasoline by NWTPH-Gx

Batch ID: 32879 Analyst: KT

Gasoline	ND	4.05		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Gasoline Range Organics (C6-C12)	5.23	4.05		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Surr: Toluene-d8	104	65 - 135		%Rec	1	7/7/2021 2:04:53 AM
Surr: 4-Bromofluorobenzene	93.7	65 - 135		%Rec	1	7/7/2021 2:04:53 AM

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12). Pattern does not resemble a known petroleum distillate.

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32879 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0405		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Chloromethane	ND	0.0648		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Vinyl chloride	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Bromomethane	ND	0.122		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Trichlorofluoromethane (CFC-11)	ND	0.0405		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Chloroethane	ND	0.0972		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,1-Dichloroethene	ND	0.0810		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Acetone	ND	0.405		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Methylene chloride	0.0133	0.0122		mg/Kg-dry	1	7/7/2021 2:04:53 AM
trans-1,2-Dichloroethene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Methyl tert-butyl ether (MTBE)	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,1-Dichloroethane	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
cis-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
(MEK) 2-Butanone	ND	0.365		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Chloroform	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,1,1-Trichloroethane (TCA)	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,1-Dichloropropene	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Carbon tetrachloride	ND	0.0608		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,2-Dichloroethane (EDC)	ND	0.0186		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Benzene	ND	0.0162		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Trichloroethene (TCE)	ND	0.0162		mg/Kg-dry	1	7/7/2021 2:04:53 AM



Client: Aspect Consulting

Collection Date: 7/2/2021 9:35:00 AM

Project: Skanska the 8

Lab ID: 2107043-002

Matrix: Soil

Client Sample ID: T8-S20-E21-160

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

Batch ID: 32879

Analyst: KT

1,2-Dichloropropane	ND	0.0162		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Bromodichloromethane	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Dibromomethane	ND	0.0162		mg/Kg-dry	1	7/7/2021 2:04:53 AM
cis-1,3-Dichloropropene	ND	0.0648		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Toluene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Trans-1,3-Dichloropropylene	ND	0.0405		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0608		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,1,2-Trichloroethane	ND	0.0138		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,3-Dichloropropane	ND	0.0162		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Tetrachloroethene (PCE)	ND	0.0324		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Dibromochloromethane	ND	0.0162		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,2-Dibromoethane (EDB)	ND	0.00810		mg/Kg-dry	1	7/7/2021 2:04:53 AM
2-Hexanone (MBK)	ND	0.0486		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Chlorobenzene	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,1,1,2-Tetrachloroethane	ND	0.0162		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Ethylbenzene	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
m,p-Xylene	ND	0.0405		mg/Kg-dry	1	7/7/2021 2:04:53 AM
o-Xylene	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Styrene	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Isopropylbenzene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Bromoform	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,1,1,2,2-Tetrachloroethane	ND	0.0122		mg/Kg-dry	1	7/7/2021 2:04:53 AM
n-Propylbenzene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Bromobenzene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,3,5-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
2-Chlorotoluene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
4-Chlorotoluene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
tert-Butylbenzene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,2,3-Trichloropropane	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,2,4-Trichlorobenzene	ND	0.0324		mg/Kg-dry	1	7/7/2021 2:04:53 AM
sec-Butylbenzene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
4-Isopropyltoluene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,3-Dichlorobenzene	ND	0.0284		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,4-Dichlorobenzene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
n-Butylbenzene	ND	0.0324		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,2-Dichlorobenzene	ND	0.0243		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,2-Dibromo-3-chloropropane	ND	0.0486		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,2,4-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Hexachloro-1,3-butadiene	ND	0.0405		mg/Kg-dry	1	7/7/2021 2:04:53 AM



Client: Aspect Consulting

Collection Date: 7/2/2021 9:35:00 AM

Project: Skanska the 8

Lab ID: 2107043-002

Matrix: Soil

Client Sample ID: T8-S20-E21-160

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

Batch ID: 32879

Analyst: KT

Naphthalene	ND	0.0810		mg/Kg-dry	1	7/7/2021 2:04:53 AM
1,2,3-Trichlorobenzene	ND	0.0405		mg/Kg-dry	1	7/7/2021 2:04:53 AM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/7/2021 2:04:53 AM
Surr: Toluene-d8	103	80 - 120		%Rec	1	7/7/2021 2:04:53 AM
Surr: 1-Bromo-4-fluorobenzene	92.0	80 - 120		%Rec	1	7/7/2021 2:04:53 AM

Sample Moisture (Percent Moisture)

Batch ID: R68349

Analyst: OK

Percent Moisture	9.30	0.500		wt%	1	7/2/2021 1:25:33 PM
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Client: Aspect Consulting

Collection Date: 7/2/2021 9:26:00 AM

Project: Skanska the 8

Lab ID: 2107043-003

Matrix: Soil

Client Sample ID: T8-S20-E24-165

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

Batch ID: 32876

Analyst: MM

Diesel (Fuel Oil)	ND	46.0		mg/Kg-dry	1	7/2/2021 10:11:20 PM
Heavy Oil	ND	91.9		mg/Kg-dry	1	7/2/2021 10:11:20 PM
Total Petroleum Hydrocarbons	ND	138		mg/Kg-dry	1	7/2/2021 10:11:20 PM
Surr: 2-Fluorobiphenyl	74.2	50 - 150		%Rec	1	7/2/2021 10:11:20 PM
Surr: o-Terphenyl	80.8	50 - 150		%Rec	1	7/2/2021 10:11:20 PM

Gasoline by NWTPH-Gx

Batch ID: 32879

Analyst: KT

Gasoline	ND	4.75		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	7/7/2021 2:35:15 AM
Surr: 4-Bromofluorobenzene	93.7	65 - 135		%Rec	1	7/7/2021 2:35:15 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32879

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0475		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Chloromethane	ND	0.0760		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Vinyl chloride	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Bromomethane	ND	0.142		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Trichlorofluoromethane (CFC-11)	ND	0.0475		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Chloroethane	ND	0.114		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,1-Dichloroethene	ND	0.0950		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Acetone	ND	0.475		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Methylene chloride	ND	0.0142		mg/Kg-dry	1	7/7/2021 2:35:15 AM
trans-1,2-Dichloroethene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Methyl tert-butyl ether (MTBE)	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,1-Dichloroethane	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
cis-1,2-Dichloroethene	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
(MEK) 2-Butanone	ND	0.427		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Chloroform	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,1,1-Trichloroethane (TCA)	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,1-Dichloropropene	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Carbon tetrachloride	ND	0.0712		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,2-Dichloroethane (EDC)	ND	0.0218		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Benzene	ND	0.0190		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Trichloroethene (TCE)	ND	0.0190		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,2-Dichloropropane	ND	0.0190		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Bromodichloromethane	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Dibromomethane	ND	0.0190		mg/Kg-dry	1	7/7/2021 2:35:15 AM
cis-1,3-Dichloropropene	ND	0.0760		mg/Kg-dry	1	7/7/2021 2:35:15 AM



Client: Aspect Consulting

Collection Date: 7/2/2021 9:26:00 AM

Project: Skanska the 8

Lab ID: 2107043-003

Matrix: Soil

Client Sample ID: T8-S20-E24-165

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

Batch ID: 32879

Analyst: KT

Toluene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Trans-1,3-Dichloropropylene	ND	0.0475		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0712		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,1,2-Trichloroethane	ND	0.0161		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,3-Dichloropropane	ND	0.0190		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Tetrachloroethene (PCE)	ND	0.0380		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Dibromochloromethane	ND	0.0190		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,2-Dibromoethane (EDB)	ND	0.00950		mg/Kg-dry	1	7/7/2021 2:35:15 AM
2-Hexanone (MBK)	ND	0.0570		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Chlorobenzene	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,1,1,2-Tetrachloroethane	ND	0.0190		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Ethylbenzene	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
m,p-Xylene	ND	0.0475		mg/Kg-dry	1	7/7/2021 2:35:15 AM
o-Xylene	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Styrene	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Isopropylbenzene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Bromoform	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,1,2,2-Tetrachloroethane	ND	0.0142		mg/Kg-dry	1	7/7/2021 2:35:15 AM
n-Propylbenzene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Bromobenzene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,3,5-Trimethylbenzene	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
2-Chlorotoluene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
4-Chlorotoluene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
tert-Butylbenzene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,2,3-Trichloropropane	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,2,4-Trichlorobenzene	ND	0.0380		mg/Kg-dry	1	7/7/2021 2:35:15 AM
sec-Butylbenzene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
4-Isopropyltoluene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,3-Dichlorobenzene	ND	0.0332		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,4-Dichlorobenzene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
n-Butylbenzene	ND	0.0380		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,2-Dichlorobenzene	ND	0.0285		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,2-Dibromo-3-chloropropane	ND	0.0570		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,2,4-Trimethylbenzene	ND	0.0237		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Hexachloro-1,3-butadiene	ND	0.0475		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Naphthalene	ND	0.0950		mg/Kg-dry	1	7/7/2021 2:35:15 AM
1,2,3-Trichlorobenzene	ND	0.0475		mg/Kg-dry	1	7/7/2021 2:35:15 AM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/7/2021 2:35:15 AM
Surr: Toluene-d8	102	80 - 120		%Rec	1	7/7/2021 2:35:15 AM



Client: Aspect Consulting

Collection Date: 7/2/2021 9:26:00 AM

Project: Skanska the 8

Lab ID: 2107043-003

Matrix: Soil

Client Sample ID: T8-S20-E24-165

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

Batch ID: 32879 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	92.0	80 - 120		%Rec	1	7/7/2021 2:35:15 AM
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Sample Moisture (Percent Moisture)

Batch ID: R68349 Analyst: OK

Percent Moisture	9.18	0.500		wt%	1	7/2/2021 1:25:33 PM
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Client: Aspect Consulting

Collection Date: 7/2/2021 10:05:00 AM

Project: Skanska the 8

Lab ID: 2107043-004

Matrix: Soil

Client Sample ID: T8-S21-E19-160

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

Batch ID: 32876 Analyst: MM

Diesel (Fuel Oil)	ND	48.4		mg/Kg-dry	1	7/2/2021 10:24:09 PM
Heavy Oil	ND	96.9		mg/Kg-dry	1	7/2/2021 10:24:09 PM
Total Petroleum Hydrocarbons	ND	145		mg/Kg-dry	1	7/2/2021 10:24:09 PM
Surr: 2-Fluorobiphenyl	79.1	50 - 150		%Rec	1	7/2/2021 10:24:09 PM
Surr: o-Terphenyl	86.6	50 - 150		%Rec	1	7/2/2021 10:24:09 PM

Gasoline by NWTPH-Gx

Batch ID: 32879 Analyst: KT

Gasoline	ND	4.97		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Surr: Toluene-d8	103	65 - 135		%Rec	1	7/7/2021 3:05:39 AM
Surr: 4-Bromofluorobenzene	94.0	65 - 135		%Rec	1	7/7/2021 3:05:39 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32879 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0497		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Chloromethane	ND	0.0796		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Vinyl chloride	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Bromomethane	ND	0.149		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Trichlorofluoromethane (CFC-11)	ND	0.0497		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Chloroethane	ND	0.119		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,1-Dichloroethene	ND	0.0995		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Acetone	ND	0.497		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Methylene chloride	ND	0.0149		mg/Kg-dry	1	7/7/2021 3:05:39 AM
trans-1,2-Dichloroethene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Methyl tert-butyl ether (MTBE)	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,1-Dichloroethane	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
cis-1,2-Dichloroethene	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
(MEK) 2-Butanone	ND	0.448		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Chloroform	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,1,1-Trichloroethane (TCA)	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,1-Dichloropropene	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Carbon tetrachloride	ND	0.0746		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,2-Dichloroethane (EDC)	ND	0.0229		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Benzene	ND	0.0199		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Trichloroethene (TCE)	ND	0.0199		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,2-Dichloropropane	ND	0.0199		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Bromodichloromethane	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Dibromomethane	ND	0.0199		mg/Kg-dry	1	7/7/2021 3:05:39 AM
cis-1,3-Dichloropropene	ND	0.0796		mg/Kg-dry	1	7/7/2021 3:05:39 AM



Client: Aspect Consulting

Collection Date: 7/2/2021 10:05:00 AM

Project: Skanska the 8

Lab ID: 2107043-004

Matrix: Soil

Client Sample ID: T8-S21-E19-160

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

Batch ID: 32879

Analyst: KT

Toluene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Trans-1,3-Dichloropropylene	ND	0.0497		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0746		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,1,2-Trichloroethane	ND	0.0169		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,3-Dichloropropane	ND	0.0199		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Tetrachloroethene (PCE)	ND	0.0398		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Dibromochloromethane	ND	0.0199		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,2-Dibromoethane (EDB)	ND	0.00995		mg/Kg-dry	1	7/7/2021 3:05:39 AM
2-Hexanone (MBK)	ND	0.0597		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Chlorobenzene	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,1,1,2-Tetrachloroethane	ND	0.0199		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Ethylbenzene	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
m,p-Xylene	ND	0.0497		mg/Kg-dry	1	7/7/2021 3:05:39 AM
o-Xylene	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Styrene	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Isopropylbenzene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Bromoform	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,1,2,2-Tetrachloroethane	ND	0.0149		mg/Kg-dry	1	7/7/2021 3:05:39 AM
n-Propylbenzene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Bromobenzene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,3,5-Trimethylbenzene	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
2-Chlorotoluene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
4-Chlorotoluene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
tert-Butylbenzene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,2,3-Trichloropropane	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,2,4-Trichlorobenzene	ND	0.0398		mg/Kg-dry	1	7/7/2021 3:05:39 AM
sec-Butylbenzene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
4-Isopropyltoluene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,3-Dichlorobenzene	ND	0.0348		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,4-Dichlorobenzene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
n-Butylbenzene	ND	0.0398		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,2-Dichlorobenzene	ND	0.0298		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,2-Dibromo-3-chloropropane	ND	0.0597		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,2,4-Trimethylbenzene	ND	0.0249		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Hexachloro-1,3-butadiene	ND	0.0497		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Naphthalene	ND	0.0995		mg/Kg-dry	1	7/7/2021 3:05:39 AM
1,2,3-Trichlorobenzene	ND	0.0497		mg/Kg-dry	1	7/7/2021 3:05:39 AM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/7/2021 3:05:39 AM
Surr: Toluene-d8	102	80 - 120		%Rec	1	7/7/2021 3:05:39 AM



Client: Aspect Consulting

Collection Date: 7/2/2021 10:05:00 AM

Project: Skanska the 8

Lab ID: 2107043-004

Matrix: Soil

Client Sample ID: T8-S21-E19-160

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

Batch ID: 32879 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	92.3	80 - 120		%Rec	1	7/7/2021 3:05:39 AM
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Sample Moisture (Percent Moisture)

Batch ID: R68349 Analyst: OK

Percent Moisture	10.5	0.500		wt%	1	7/2/2021 1:25:33 PM
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Client: Aspect Consulting

Collection Date: 7/2/2021 10:11:00 AM

Project: Skanska the 8

Lab ID: 2107043-005

Matrix: Soil

Client Sample ID: T8-S22-E20-160

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

Batch ID: 32876

Analyst: MM

Diesel (Fuel Oil)	ND	48.7		mg/Kg-dry	1	7/2/2021 10:36:55 PM
Heavy Oil	ND	97.4		mg/Kg-dry	1	7/2/2021 10:36:55 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	7/2/2021 10:36:55 PM
Surr: 2-Fluorobiphenyl	84.8	50 - 150		%Rec	1	7/2/2021 10:36:55 PM
Surr: o-Terphenyl	92.0	50 - 150		%Rec	1	7/2/2021 10:36:55 PM

Gasoline by NWTPH-Gx

Batch ID: 32879

Analyst: KT

Gasoline	ND	5.10		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Surr: Toluene-d8	105	65 - 135		%Rec	1	7/7/2021 3:36:00 AM
Surr: 4-Bromofluorobenzene	93.4	65 - 135		%Rec	1	7/7/2021 3:36:00 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32879

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0510		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Chloromethane	ND	0.0816		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Vinyl chloride	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Bromomethane	ND	0.153		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Trichlorofluoromethane (CFC-11)	ND	0.0510		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Chloroethane	ND	0.122		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,1-Dichloroethene	ND	0.102		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Acetone	ND	0.510		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Methylene chloride	ND	0.0153		mg/Kg-dry	1	7/7/2021 3:36:00 AM
trans-1,2-Dichloroethene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Methyl tert-butyl ether (MTBE)	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,1-Dichloroethane	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
cis-1,2-Dichloroethene	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
(MEK) 2-Butanone	ND	0.459		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Chloroform	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,1,1-Trichloroethane (TCA)	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,1-Dichloropropene	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Carbon tetrachloride	ND	0.0765		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,2-Dichloroethane (EDC)	ND	0.0235		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Benzene	ND	0.0204		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Trichloroethene (TCE)	ND	0.0204		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,2-Dichloropropane	ND	0.0204		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Bromodichloromethane	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Dibromomethane	ND	0.0204		mg/Kg-dry	1	7/7/2021 3:36:00 AM
cis-1,3-Dichloropropene	ND	0.0816		mg/Kg-dry	1	7/7/2021 3:36:00 AM



Analytical Report

Work Order: 2107043
Date Reported: 7/7/2021

Client: Aspect Consulting

Collection Date: 7/2/2021 10:11:00 AM

Project: Skanska the 8

Lab ID: 2107043-005

Matrix: Soil

Client Sample ID: T8-S22-E20-160

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

Batch ID: 32879

Analyst: KT

Toluene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Trans-1,3-Dichloropropylene	ND	0.0510		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0765		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,1,2-Trichloroethane	ND	0.0173		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,3-Dichloropropane	ND	0.0204		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Tetrachloroethene (PCE)	ND	0.0408		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Dibromochloromethane	ND	0.0204		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,2-Dibromoethane (EDB)	ND	0.0102		mg/Kg-dry	1	7/7/2021 3:36:00 AM
2-Hexanone (MBK)	ND	0.0612		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Chlorobenzene	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,1,1,2-Tetrachloroethane	ND	0.0204		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Ethylbenzene	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
m,p-Xylene	ND	0.0510		mg/Kg-dry	1	7/7/2021 3:36:00 AM
o-Xylene	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Styrene	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Isopropylbenzene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Bromoform	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,1,2,2-Tetrachloroethane	ND	0.0153		mg/Kg-dry	1	7/7/2021 3:36:00 AM
n-Propylbenzene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Bromobenzene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,3,5-Trimethylbenzene	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
2-Chlorotoluene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
4-Chlorotoluene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
tert-Butylbenzene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,2,3-Trichloropropane	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,2,4-Trichlorobenzene	ND	0.0408		mg/Kg-dry	1	7/7/2021 3:36:00 AM
sec-Butylbenzene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
4-Isopropyltoluene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,3-Dichlorobenzene	ND	0.0357		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,4-Dichlorobenzene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
n-Butylbenzene	ND	0.0408		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,2-Dichlorobenzene	ND	0.0306		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,2-Dibromo-3-chloropropane	ND	0.0612		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,2,4-Trimethylbenzene	ND	0.0255		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Hexachloro-1,3-butadiene	ND	0.0510		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Naphthalene	ND	0.102		mg/Kg-dry	1	7/7/2021 3:36:00 AM
1,2,3-Trichlorobenzene	ND	0.0510		mg/Kg-dry	1	7/7/2021 3:36:00 AM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/7/2021 3:36:00 AM
Surr: Toluene-d8	103	80 - 120		%Rec	1	7/7/2021 3:36:00 AM



Client: Aspect Consulting

Collection Date: 7/2/2021 10:11:00 AM

Project: Skanska the 8

Lab ID: 2107043-005

Matrix: Soil

Client Sample ID: T8-S22-E20-160

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

Batch ID: 32879 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	91.7	80 - 120		%Rec	1	7/7/2021 3:36:00 AM
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Sample Moisture (Percent Moisture)

Batch ID: R68349 Analyst: OK

Percent Moisture	10.1	0.500		wt%	1	7/2/2021 1:25:33 PM
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Client: Aspect Consulting

Collection Date:

Project: Skanska the 8

Lab ID: 2107043-006

Matrix: Soil

Client Sample ID: T8-TB-07

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

Batch ID: 32879

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	7/6/2021 4:57:50 PM
Chloromethane	ND	0.0800		mg/Kg	1	7/6/2021 4:57:50 PM
Vinyl chloride	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
Bromomethane	ND	0.150		mg/Kg	1	7/6/2021 4:57:50 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	7/6/2021 4:57:50 PM
Chloroethane	ND	0.120		mg/Kg	1	7/6/2021 4:57:50 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/6/2021 4:57:50 PM
Acetone	ND	0.500		mg/Kg	1	7/6/2021 4:57:50 PM
Methylene chloride	ND	0.0150		mg/Kg	1	7/6/2021 4:57:50 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	7/6/2021 4:57:50 PM
Chloroform	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	7/6/2021 4:57:50 PM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	7/6/2021 4:57:50 PM
Benzene	ND	0.0200		mg/Kg	1	7/6/2021 4:57:50 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/6/2021 4:57:50 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	7/6/2021 4:57:50 PM
Bromodichloromethane	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
Dibromomethane	ND	0.0200		mg/Kg	1	7/6/2021 4:57:50 PM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	7/6/2021 4:57:50 PM
Toluene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	7/6/2021 4:57:50 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	7/6/2021 4:57:50 PM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	7/6/2021 4:57:50 PM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	7/6/2021 4:57:50 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/6/2021 4:57:50 PM
Dibromochloromethane	ND	0.0200		mg/Kg	1	7/6/2021 4:57:50 PM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	7/6/2021 4:57:50 PM
2-Hexanone (MBK)	ND	0.0600		mg/Kg	1	7/6/2021 4:57:50 PM
Chlorobenzene	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	7/6/2021 4:57:50 PM
Ethylbenzene	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
m,p-Xylene	ND	0.0500		mg/Kg	1	7/6/2021 4:57:50 PM
o-Xylene	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM



Client: Aspect Consulting

Collection Date:

Project: Skanska the 8

Lab ID: 2107043-006

Matrix: Soil

Client Sample ID: T8-TB-07

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

Batch ID: 32879

Analyst: KT

Styrene	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
Isopropylbenzene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
Bromoform	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	7/6/2021 4:57:50 PM
n-Propylbenzene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
Bromobenzene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	7/6/2021 4:57:50 PM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	7/6/2021 4:57:50 PM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
n-Butylbenzene	ND	0.0400		mg/Kg	1	7/6/2021 4:57:50 PM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/6/2021 4:57:50 PM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	7/6/2021 4:57:50 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/6/2021 4:57:50 PM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	7/6/2021 4:57:50 PM
Naphthalene	ND	0.100		mg/Kg	1	7/6/2021 4:57:50 PM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	7/6/2021 4:57:50 PM
Surr: Dibromofluoromethane	103	80 - 120		%Rec	1	7/6/2021 4:57:50 PM
Surr: Toluene-d8	102	80 - 120		%Rec	1	7/6/2021 4:57:50 PM
Surr: 1-Bromo-4-fluorobenzene	91.5	80 - 120		%Rec	1	7/6/2021 4:57:50 PM

Work Order: 2107043
CLIENT: Aspect Consulting
Project: Skanska the 8

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

Sample ID: MB-32876	SampType: MBLK	Units: mg/Kg				Prep Date: 7/2/2021	RunNo: 68356				
Client ID: MBLKS	Batch ID: 32876					Analysis Date: 7/2/2021	SeqNo: 1381034				
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	8.89		10.00		88.9	50	150				
Surr: o-Terphenyl	9.82		10.00		98.2	50	150				

Sample ID: LCS-32876	SampType: LCS	Units: mg/Kg				Prep Date: 7/2/2021	RunNo: 68356				
Client ID: LCSS	Batch ID: 32876					Analysis Date: 7/2/2021	SeqNo: 1381035				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	581	150	500.0	0	116	75.7	116				
Surr: 2-Fluorobiphenyl	9.37		10.00		93.7	50	150				
Surr: o-Terphenyl	12.5		10.00		125	50	150				

Sample ID: 2107041-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/2/2021	RunNo: 68356				
Client ID: BATCH	Batch ID: 32876					Analysis Date: 7/2/2021	SeqNo: 1381037				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	527	135	450.5	36.48	109	59.6	134				
Surr: 2-Fluorobiphenyl	7.70		9.011		85.4	50	150				
Surr: o-Terphenyl	9.94		9.011		110	50	150				

Sample ID: 2107041-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/2/2021	RunNo: 68356				
Client ID: BATCH	Batch ID: 32876					Analysis Date: 7/2/2021	SeqNo: 1381038				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	623	161	537.8	36.48	109	59.6	134	526.8	16.7	30	
Surr: 2-Fluorobiphenyl	8.59		10.76		79.9	50	150		0		
Surr: o-Terphenyl	11.4		10.76		106	50	150		0		

Work Order: 2107043
 CLIENT: Aspect Consulting
 Project: Skanska the 8

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

Sample ID: 2107041-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/2/2021	RunNo: 68356							
Client ID: BATCH	Batch ID: 32876	Analysis Date: 7/2/2021	SeqNo: 1381038								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2107028-007ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/2/2021	RunNo: 68356							
Client ID: BATCH	Batch ID: 32876	Analysis Date: 7/2/2021	SeqNo: 1381337								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	53.6						338.4	6.18	30	
Diesel Range Organics (C12-C24)	318	53.6						338.4	6.18	30	
Heavy Oil	ND	107						0		30	
Total Petroleum Hydrocarbons	318	161						338.4	6.18	30	
Surr: 2-Fluorobiphenyl	7.77		10.73		72.4	50	150		0		
Surr: o-Terphenyl	8.58		10.73		80.0	50	150		0		

Work Order: 2107043
CLIENT: Aspect Consulting
Project: Skanska the 8

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32879	SampType: LCS	Units: mg/Kg		Prep Date: 7/2/2021	RunNo: 68384						
Client ID: LCSS	Batch ID: 32879			Analysis Date: 7/6/2021	SeqNo: 1381735						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	26.6	5.00	25.00	0	106	65	135				
Surr: Toluene-d8	1.25		1.250		99.7	65	135				
Surr: 4-Bromofluorobenzene	1.26		1.250		101	65	135				

Sample ID: MB-32879	SampType: MBLK	Units: mg/Kg		Prep Date: 7/2/2021	RunNo: 68384						
Client ID: MBLKS	Batch ID: 32879			Analysis Date: 7/6/2021	SeqNo: 1381736						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.28		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.17		1.250		93.4	65	135				

Sample ID: 2106514-003BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 7/6/2021	RunNo: 68384						
Client ID: BATCH	Batch ID: 32879			Analysis Date: 7/6/2021	SeqNo: 1381740						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.06						0		30	
Surr: Toluene-d8	1.30		1.264		103	65	135		0		
Surr: 4-Bromofluorobenzene	1.18		1.264		93.5	65	135		0		

Sample ID: 2106531-001BMS	SampType: MS	Units: mg/Kg-dry		Prep Date: 7/2/2021	RunNo: 68384						
Client ID: BATCH	Batch ID: 32879			Analysis Date: 7/6/2021	SeqNo: 1381746						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	34.4	6.72	33.61	0	102	65	135				
Surr: Toluene-d8	1.69		1.680		101	65	135				
Surr: 4-Bromofluorobenzene	1.72		1.680		103	65	135				

Work Order: 2107043
CLIENT: Aspect Consulting
Project: Skanska the 8

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2107043-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/2/2021	RunNo: 68384							
Client ID: T8-S22-E20-160	Batch ID: 32879	Analysis Date: 7/7/2021	SeqNo: 1381753								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.10						0		30	
Surr: Toluene-d8	1.30		1.275		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.19		1.275		93.7	65	135		0		

Work Order: 2107043
 CLIENT: Aspect Consulting
 Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32879	SampType: LCS	Units: µg/L	Prep Date: 7/2/2021	RunNo: 68383							
Client ID: LCSS	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381711							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	1.12	0.0500	1.000	0	112	80	120				
Chloromethane	1.16	0.0800	1.000	0	116	80	120				
Vinyl chloride	1.04	0.0250	1.000	0	104	80	120				
Bromomethane	1.36	0.150	1.000	0	136	80	120				S
Trichlorofluoromethane (CFC-11)	1.09	0.0500	1.000	0	109	80	120				
Chloroethane	1.03	0.120	1.000	0	103	80	120				
Vinyl acetate	1.13	0.0400	1.000	0	113	80	120				
1,1-Dichloroethene	1.03	0.100	1.000	0	103	80	120				
Acetone	2.85	0.500	2.500	0	114	80	120				
Methylene chloride	1.01	0.0150	1.000	0	101	80	120				
Acrylonitrile	0.997	0.0300	1.000	0	99.7	80	120				
trans-1,2-Dichloroethene	0.999	0.0300	1.000	0	99.9	80	120				
Methyl tert-butyl ether (MTBE)	0.972	0.0300	1.000	0	97.2	80	120				
1,1-Dichloroethane	1.02	0.0250	1.000	0	102	80	120				
2,2-Dichloropropane	1.18	0.0300	1.000	0	118	80	120				
cis-1,2-Dichloroethene	0.985	0.0250	1.000	0	98.5	80	120				
(MEK) 2-Butanone	2.43	0.450	2.500	0	97.3	80	120				
Chloroform	1.01	0.0250	1.000	0	101	80	120				
Bromochloromethane	1.02	0.0200	1.000	0	102	80	120				
1,1,1-Trichloroethane (TCA)	1.01	0.0250	1.000	0	101	80	120				
1,1-Dichloropropene	1.01	0.0250	1.000	0	101	80	120				
Carbon tetrachloride	1.02	0.0750	1.000	0	102	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	1.02	0.0200	1.000	0	102	80	120				
Bromodichloromethane	1.02	0.0250	1.000	0	102	80	120				
Dibromomethane	1.02	0.0200	1.000	0	102	80	120				
cis-1,3-Dichloropropene	1.03	0.0800	1.000	0	103	80	120				
Toluene	1.00	0.0300	1.000	0	100	80	120				

Work Order: 2107043
 CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32879	SampType: LCS	Units: µg/L	Prep Date: 7/2/2021	RunNo: 68383							
Client ID: LCSS	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381711							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trans-1,3-Dichloropropylene	0.971	0.0500	1.000	0	97.1	80	120				
Methyl Isobutyl Ketone (MIBK)	2.45	0.0750	2.500	0	98.0	80	120				
1,1,2-Trichloroethane	1.02	0.0170	1.000	0	102	80	120				
1,3-Dichloropropane	1.00	0.0200	1.000	0	100	80	120				
Tetrachloroethene (PCE)	1.02	0.0400	1.000	0	102	80	120				
Dibromochloromethane	1.01	0.0200	1.000	0	101	80	120				
1,2-Dibromoethane (EDB)	0.995	0.0100	1.000	0	99.5	80	120				
2-Hexanone (MBK)	2.01	0.0600	2.500	0	80.2	80	120				
Chlorobenzene	1.00	0.0250	1.000	0	100	80	120				
1,1,1,2-Tetrachloroethane	1.01	0.0200	1.000	0	101	80	120				
Ethylbenzene	1.00	0.0250	1.000	0	100	80	120				
m,p-Xylene	2.03	0.0500	2.000	0	102	80	120				
o-Xylene	0.971	0.0250	1.000	0	97.1	80	120				
Styrene	1.02	0.0250	1.000	0	102	80	120				
Isopropylbenzene	0.990	0.0300	1.000	0	99.0	80	120				
Bromoform	1.01	0.0250	1.000	0	101	80	120				
1,1,2,2-Tetrachloroethane	1.01	0.0150	1.000	0	101	80	120				
n-Propylbenzene	1.04	0.0300	1.000	0	104	80	120				
Bromobenzene	0.988	0.0300	1.000	0	98.8	80	120				
1,3,5-Trimethylbenzene	1.03	0.0250	1.000	0	103	80	120				
2-Chlorotoluene	1.01	0.0300	1.000	0	101	80	120				
4-Chlorotoluene	1.04	0.0300	1.000	0	104	80	120				
tert-Butylbenzene	1.01	0.0300	1.000	0	101	80	120				
1,2,3-Trichloropropane	1.04	0.0250	1.000	0	104	80	120				
1,2,4-Trichlorobenzene	0.963	0.0400	1.000	0	96.3	80	120				
sec-Butylbenzene	1.04	0.0300	1.000	0	104	80	120				
4-Isopropyltoluene	1.06	0.0300	1.000	0	106	80	120				
1,3-Dichlorobenzene	0.981	0.0350	1.000	0	98.1	80	120				
1,4-Dichlorobenzene	0.988	0.0300	1.000	0	98.8	80	120				
n-Butylbenzene	0.999	0.0400	1.000	0	99.9	80	120				

Work Order: 2107043
 CLIENT: Aspect Consulting
 Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32879	SampType: LCS	Units: µg/L	Prep Date: 7/2/2021	RunNo: 68383							
Client ID: LCSS	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381711							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	0.988	0.0300	1.000	0	98.8	80	120				
1,2-Dibromo-3-chloropropane	0.956	0.0600	1.000	0	95.6	80	120				
1,2,4-Trimethylbenzene	1.04	0.0250	1.000	0	104	80	120				
Hexachloro-1,3-butadiene	1.00	0.0500	1.000	0	100	80	120				
Naphthalene	0.980	0.100	1.000	0	98.0	80	120				
1,2,3-Trichlorobenzene	1.11	0.0500	1.000	0	111	80	120				
Surr: Dibromofluoromethane	1.34		1.250		107	80	120				
Surr: Toluene-d8	1.34		1.250		107	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	80	120				

NOTES:

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

Sample ID: MB-32879	SampType: MBLK	Units: mg/Kg	Prep Date: 7/2/2021	RunNo: 68383							
Client ID: MBLKS	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381692							
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									
Vinyl acetate	ND	0.0400									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
Acrylonitrile	ND	0.0300									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
2,2-Dichloropropane	ND	0.0300									

Work Order: 2107043
CLIENT: Aspect Consulting
Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32879	SampType: MBLK	Units: mg/Kg	Prep Date: 7/2/2021	RunNo: 68383							
Client ID: MBLKS	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381692							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
Bromochloromethane	ND	0.0200									
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									
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									

Work Order: 2107043
 CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32879	SampType: MBLK	Units: mg/Kg	Prep Date: 7/2/2021	RunNo: 68383							
Client ID: MBLKS	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381692							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

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									
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	1.29		1.250		103	80	120				
Surr: Toluene-d8	1.27		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.15		1.250		91.7	80	120				

Sample ID: 2106514-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/6/2021	RunNo: 68383							
Client ID: BATCH	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381698							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0506						0		30	

Work Order: 2107043
 CLIENT: Aspect Consulting
 Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106514-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/6/2021	RunNo: 68383							
Client ID: BATCH	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381698							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloromethane	ND	0.0809						0		30	
Vinyl chloride	ND	0.0253						0		30	
Bromomethane	ND	0.152						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0506						0		30	
Chloroethane	ND	0.121						0		30	
Vinyl acetate	ND	0.0405						0		30	
1,1-Dichloroethene	ND	0.101						0		30	
Acetone	ND	0.506						0		30	
Methylene chloride	ND	0.0152						0		30	
Acrylonitrile	ND	0.0303						0		30	
trans-1,2-Dichloroethene	ND	0.0303						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0303						0		30	
1,1-Dichloroethane	ND	0.0253						0		30	
2,2-Dichloropropane	ND	0.0303						0		30	
cis-1,2-Dichloroethene	ND	0.0253						0		30	
(MEK) 2-Butanone	ND	0.455						0		30	
Chloroform	ND	0.0253						0		30	
Bromochloromethane	ND	0.0202						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0253						0		30	
1,1-Dichloropropene	ND	0.0253						0		30	
Carbon tetrachloride	ND	0.0758						0		30	
1,2-Dichloroethane (EDC)	ND	0.0233						0		30	
Benzene	ND	0.0202						0		30	
Trichloroethene (TCE)	ND	0.0202						0		30	
1,2-Dichloropropane	ND	0.0202						0		30	
Bromodichloromethane	ND	0.0253						0		30	
Dibromomethane	ND	0.0202						0		30	
cis-1,3-Dichloropropene	ND	0.0809						0		30	
Toluene	ND	0.0303						0		30	
Trans-1,3-Dichloropropylene	ND	0.0506						0		30	

Work Order: 2107043
 CLIENT: Aspect Consulting
 Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106514-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/6/2021	RunNo: 68383							
Client ID: BATCH	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381698							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl Isobutyl Ketone (MIBK)	ND	0.0758						0		30	
1,1,2-Trichloroethane	ND	0.0172						0		30	
1,3-Dichloropropane	ND	0.0202						0		30	
Tetrachloroethene (PCE)	ND	0.0405						0		30	
Dibromochloromethane	ND	0.0202						0		30	
1,2-Dibromoethane (EDB)	ND	0.0101						0		30	
2-Hexanone (MBK)	ND	0.0607						0		30	
Chlorobenzene	ND	0.0253						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0202						0		30	
Ethylbenzene	ND	0.0253						0		30	
m,p-Xylene	ND	0.0506						0		30	
o-Xylene	ND	0.0253						0		30	
Styrene	ND	0.0253						0		30	
Isopropylbenzene	ND	0.0303						0		30	
Bromoform	ND	0.0253						0		30	
1,1,1,2,2-Tetrachloroethane	ND	0.0152						0		30	
n-Propylbenzene	ND	0.0303						0		30	
Bromobenzene	ND	0.0303						0		30	
1,3,5-Trimethylbenzene	ND	0.0253						0		30	
2-Chlorotoluene	ND	0.0303						0		30	
4-Chlorotoluene	ND	0.0303						0		30	
tert-Butylbenzene	ND	0.0303						0		30	
1,2,3-Trichloropropane	ND	0.0253						0		30	
1,2,4-Trichlorobenzene	ND	0.0405						0		30	
sec-Butylbenzene	ND	0.0303						0		30	
4-Isopropyltoluene	ND	0.0303						0		30	
1,3-Dichlorobenzene	ND	0.0354						0		30	
1,4-Dichlorobenzene	ND	0.0303						0		30	
n-Butylbenzene	ND	0.0405						0		30	
1,2-Dichlorobenzene	ND	0.0303						0		30	

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 CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106514-003BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/6/2021	RunNo: 68383							
Client ID: BATCH	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381698							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	ND	0.0607						0		30	
1,2,4-Trimethylbenzene	ND	0.0253						0		30	
Hexachloro-1,3-butadiene	ND	0.0506						0		30	
Naphthalene	ND	0.101						0		30	
1,2,3-Trichlorobenzene	ND	0.0506						0		30	
Surr: Dibromofluoromethane	1.31		1.264		103	80	120		0		
Surr: Toluene-d8	1.30		1.264		103	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.16		1.264		91.7	80	120		0		

Sample ID: 2106514-012BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/6/2021	RunNo: 68383							
Client ID: BATCH	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381702							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.25	0.0566	1.132	0	110	5	173				
Chloromethane	1.23	0.0905	1.132	0.02681	106	39.5	138				
Vinyl chloride	1.22	0.0283	1.132	0	107	41.9	145				
Bromomethane	1.42	0.170	1.132	0	126	63.4	160				
Trichlorofluoromethane (CFC-11)	1.15	0.0566	1.132	0	101	32.4	158				
Chloroethane	1.20	0.136	1.132	0	106	40.1	160				
Vinyl acetate	1.38	0.0453	1.132	0	122	32.3	157				
1,1-Dichloroethene	1.17	0.113	1.132	0	104	62.1	135				
Acetone	3.68	0.566	2.829	0	130	45.8	168				
Methylene chloride	1.24	0.0170	1.132	0	109	65.6	137				
Acrylonitrile	1.30	0.0339	1.132	0	115	42.5	162				
trans-1,2-Dichloroethene	1.19	0.0339	1.132	0	105	65.4	137				
Methyl tert-butyl ether (MTBE)	1.26	0.0339	1.132	0	111	48.1	157				
1,1-Dichloroethane	1.23	0.0283	1.132	0	109	61.9	142				
2,2-Dichloropropane	1.22	0.0339	1.132	0	108	49	135				
cis-1,2-Dichloroethene	1.19	0.0283	1.132	0	105	81.9	124				
(MEK) 2-Butanone	3.32	0.509	2.829	0	118	56	144				

Work Order: 2107043
 CLIENT: Aspect Consulting
 Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106514-012BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/6/2021	RunNo: 68383							
Client ID: BATCH	Batch ID: 32879		Analysis Date: 7/6/2021	SeqNo: 1381702							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloroform	1.23	0.0283	1.132	0	109	79.3	127				
Bromochloromethane	1.24	0.0226	1.132	0	109	80	122				
1,1,1-Trichloroethane (TCA)	1.19	0.0283	1.132	0	105	80	121				
1,1-Dichloropropene	1.16	0.0283	1.132	0	103	76.4	127				
Carbon tetrachloride	1.15	0.0849	1.132	0	102	68.6	130				
1,2-Dichloroethane (EDC)	1.28	0.0260	1.132	0	113	70.1	137				
Benzene	1.22	0.0226	1.132	0	108	80	123				
Trichloroethene (TCE)	1.19	0.0226	1.132	0	105	79	130				
1,2-Dichloropropane	1.25	0.0226	1.132	0	111	80	121				
Bromodichloromethane	1.23	0.0283	1.132	0	109	72.8	124				
Dibromomethane	1.26	0.0226	1.132	0	111	77.2	122				
cis-1,3-Dichloropropene	1.22	0.0905	1.132	0	108	75.1	121				
Toluene	1.19	0.0339	1.132	0	105	80	125				
Trans-1,3-Dichloropropylene	1.18	0.0566	1.132	0	105	73.9	122				
Methyl Isobutyl Ketone (MIBK)	3.38	0.0849	2.829	0	119	47.1	154				
1,1,2-Trichloroethane	1.28	0.0192	1.132	0	113	76.2	123				
1,3-Dichloropropane	1.26	0.0226	1.132	0	111	67.2	131				
Tetrachloroethene (PCE)	1.14	0.0453	1.132	0	101	77.2	128				
Dibromochloromethane	1.20	0.0226	1.132	0	106	63.3	129				
1,2-Dibromoethane (EDB)	1.26	0.0113	1.132	0	111	75.1	124				
2-Hexanone (MBK)	2.73	0.0679	2.829	0	96.4	40.5	170				
Chlorobenzene	1.17	0.0283	1.132	0	104	80	120				
1,1,1,2-Tetrachloroethane	1.19	0.0226	1.132	0	105	80	120				
Ethylbenzene	1.17	0.0283	1.132	0	103	80	133				
m,p-Xylene	2.36	0.0566	2.263	0	104	80	129				
o-Xylene	1.16	0.0283	1.132	0	102	73.4	131				
Styrene	1.21	0.0283	1.132	0	107	77.4	125				
Isopropylbenzene	1.14	0.0339	1.132	0	101	76.7	132				
Bromoform	1.19	0.0283	1.132	0	105	69.7	127				
1,1,2,2-Tetrachloroethane	1.30	0.0170	1.132	0	115	62.8	132				

Work Order: 2107043
 CLIENT: Aspect Consulting
 Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2106514-012BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 7/6/2021	RunNo: 68383					
Client ID: BATCH	Batch ID: 32879				Analysis Date: 7/6/2021	SeqNo: 1381702					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	1.26	0.0339	1.132	0	111	77.2	134				
Bromobenzene	1.17	0.0339	1.132	0	103	77.2	125				
1,3,5-Trimethylbenzene	1.25	0.0283	1.132	0	110	79.8	125				
2-Chlorotoluene	1.25	0.0339	1.132	0	111	78.3	127				
4-Chlorotoluene	1.26	0.0339	1.132	0	111	79.9	123				
tert-Butylbenzene	1.22	0.0339	1.132	0	108	74.7	132				
1,2,3-Trichloropropane	1.20	0.0283	1.132	0	106	65.9	128				
1,2,4-Trichlorobenzene	1.16	0.0453	1.132	0	103	78.5	129				
sec-Butylbenzene	1.23	0.0339	1.132	0	108	73.8	135				
4-Isopropyltoluene	1.23	0.0339	1.132	0	109	73.9	134				
1,3-Dichlorobenzene	1.13	0.0396	1.132	0	99.6	80	123				
1,4-Dichlorobenzene	1.14	0.0339	1.132	0	101	80	122				
n-Butylbenzene	1.08	0.0453	1.132	0	95.0	80	130				
1,2-Dichlorobenzene	1.16	0.0339	1.132	0	103	80	120				
1,2-Dibromo-3-chloropropane	1.26	0.0679	1.132	0	111	66.1	131				
1,2,4-Trimethylbenzene	1.26	0.0283	1.132	0	111	80	124				
Hexachloro-1,3-butadiene	1.07	0.0566	1.132	0	94.5	70.9	135				
Naphthalene	1.28	0.113	1.132	0	113	53.8	164				
1,2,3-Trichlorobenzene	1.29	0.0566	1.132	0	114	75.8	131				
Surr: Dibromofluoromethane	1.54		1.415		109	80	120				
Surr: Toluene-d8	1.51		1.415		107	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.47		1.415		104	80	120				

Sample ID: 2107043-005BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/2/2021	RunNo: 68383					
Client ID: T8-S22-E20-160	Batch ID: 32879				Analysis Date: 7/7/2021	SeqNo: 1381709					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0510						0		30	
Chloromethane	ND	0.0816						0		30	
Vinyl chloride	ND	0.0255						0		30	

Work Order: 2107043
 CLIENT: Aspect Consulting
 Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107043-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/2/2021	RunNo: 68383							
Client ID: T8-S22-E20-160	Batch ID: 32879		Analysis Date: 7/7/2021	SeqNo: 1381709							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromomethane	ND	0.153						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0510						0		30	
Chloroethane	ND	0.122						0		30	
Vinyl acetate	ND	0.0408						0		30	
1,1-Dichloroethene	ND	0.102						0		30	
Acetone	ND	0.510						0		30	
Methylene chloride	ND	0.0153						0		30	
Acrylonitrile	ND	0.0306						0		30	
trans-1,2-Dichloroethene	ND	0.0306						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0306						0		30	
1,1-Dichloroethane	ND	0.0255						0		30	
2,2-Dichloropropane	ND	0.0306						0		30	
cis-1,2-Dichloroethene	ND	0.0255						0		30	
(MEK) 2-Butanone	ND	0.459						0		30	
Chloroform	ND	0.0255						0		30	
Bromochloromethane	ND	0.0204						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0255						0		30	
1,1-Dichloropropene	ND	0.0255						0		30	
Carbon tetrachloride	ND	0.0765						0		30	
1,2-Dichloroethane (EDC)	ND	0.0235						0		30	
Benzene	ND	0.0204						0		30	
Trichloroethene (TCE)	ND	0.0204						0		30	
1,2-Dichloropropane	ND	0.0204						0		30	
Bromodichloromethane	ND	0.0255						0		30	
Dibromomethane	ND	0.0204						0		30	
cis-1,3-Dichloropropene	ND	0.0816						0		30	
Toluene	ND	0.0306						0		30	
Trans-1,3-Dichloropropylene	ND	0.0510						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0765						0		30	
1,1,2-Trichloroethane	ND	0.0173						0		30	

Work Order: 2107043
 CLIENT: Aspect Consulting
 Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107043-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/2/2021	RunNo: 68383							
Client ID: T8-S22-E20-160	Batch ID: 32879		Analysis Date: 7/7/2021	SeqNo: 1381709							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,3-Dichloropropane	ND	0.0204						0		30	
Tetrachloroethene (PCE)	ND	0.0408						0		30	
Dibromochloromethane	ND	0.0204						0		30	
1,2-Dibromoethane (EDB)	ND	0.0102						0		30	
2-Hexanone (MBK)	ND	0.0612						0		30	
Chlorobenzene	ND	0.0255						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0204						0		30	
Ethylbenzene	ND	0.0255						0		30	
m,p-Xylene	ND	0.0510						0		30	
o-Xylene	ND	0.0255						0		30	
Styrene	ND	0.0255						0		30	
Isopropylbenzene	ND	0.0306						0		30	
Bromoform	ND	0.0255						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0153						0		30	
n-Propylbenzene	ND	0.0306						0		30	
Bromobenzene	ND	0.0306						0		30	
1,3,5-Trimethylbenzene	ND	0.0255						0		30	
2-Chlorotoluene	ND	0.0306						0		30	
4-Chlorotoluene	ND	0.0306						0		30	
tert-Butylbenzene	ND	0.0306						0		30	
1,2,3-Trichloropropane	ND	0.0255						0		30	
1,2,4-Trichlorobenzene	ND	0.0408						0		30	
sec-Butylbenzene	ND	0.0306						0		30	
4-Isopropyltoluene	ND	0.0306						0		30	
1,3-Dichlorobenzene	ND	0.0357						0		30	
1,4-Dichlorobenzene	ND	0.0306						0		30	
n-Butylbenzene	ND	0.0408						0		30	
1,2-Dichlorobenzene	ND	0.0306						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0612						0		30	
1,2,4-Trimethylbenzene	ND	0.0255						0		30	

Work Order: 2107043
CLIENT: Aspect Consulting
Project: Skanska the 8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107043-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/2/2021	RunNo: 68383							
Client ID: T8-S22-E20-160	Batch ID: 32879		Analysis Date: 7/7/2021	SeqNo: 1381709							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloro-1,3-butadiene	ND	0.0510						0		30	
Naphthalene	ND	0.102						0		30	
1,2,3-Trichlorobenzene	ND	0.0510						0		30	
Surr: Dibromofluoromethane	1.30		1.275		102	80	120		0		
Surr: Toluene-d8	1.28		1.275		101	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.17		1.275		92.0	80	120		0		

Client Name: AC	Work Order Number: 2107043
Logged by: Matt Langston	Date Received: 7/2/2021 11:58:46 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	3.1

* 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: 7/2/21 Page: 1 of 1

Project Name: SKANSKA Trn 8

Project No: 180587

Collected by: Monique RUTTE

Location: Bellevue

Report To (PM): Alicavane ; Amelia Bates

PM Email: alicavane@aspectconsulting.com aabates@aspectconsulting.com

Laboratory Project No (Internal): 2107043

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 (C)**	EDB (8011)										
1 TR-S19-E13-160	07/02/21	1034	6011	3			X	X																		
2 TR-S20-E21-100		0935		1	X																					
3 TR-S20-E24-105		0926		1	X																					
4 TR-S21-E19-100		1005		1																						
5 TR-S22-E22-100		1011		1																						
6 TR-TB-07	10/4/21	1213	AQ	1																						
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.

Relinquished (Signature) _____ Date/Time _____ Received (Signature) _____ Date/Time _____

Relinquished (Signature) _____ Date/Time _____ Received (Signature) _____ Date/Time _____

Print Name _____ Date/Time _____ Turn-around Time: Standard Next Day 3 Day Same 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: Skanska The Eight Redevelopment
Work Order Number: 2107061

July 07, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 7/6/2021 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

CC:
Amelia Oates
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



Date: 07/07/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2107061

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107061-001	T8-S19-E03-161	07/06/2021 7:45 AM	07/06/2021 9:40 AM
2107061-002	T8-S21-E04-161	07/06/2021 8:00 AM	07/06/2021 9:40 AM
2107061-003	T8-S23-E04-161	07/06/2021 8:15 AM	07/06/2021 9:40 AM
2107061-004	T8-S91-E91-161	07/06/2021 9:00 AM	07/06/2021 9:40 AM

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

Original

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2107061-001

Collection Date: 7/6/2021 7:45:00 AM

Client Sample ID: T8-S19-E03-161

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: 32888 Analyst: MM

Diesel (Fuel Oil)	ND	48.2		mg/Kg-dry	1	7/6/2021 7:02:12 PM
Heavy Oil	ND	96.3		mg/Kg-dry	1	7/6/2021 7:02:12 PM
Total Petroleum Hydrocarbons	ND	144		mg/Kg-dry	1	7/6/2021 7:02:12 PM
Surr: 2-Fluorobiphenyl	91.9	50 - 150		%Rec	1	7/6/2021 7:02:12 PM
Surr: o-Terphenyl	91.5	50 - 150		%Rec	1	7/6/2021 7:02:12 PM

Gasoline by NWTPH-Gx

Batch ID: 32879 Analyst: KT

Gasoline	ND	5.13		mg/Kg-dry	1	7/7/2021 4:36:47 AM
Surr: Toluene-d8	105	65 - 135		%Rec	1	7/7/2021 4:36:47 AM
Surr: 4-Bromofluorobenzene	93.0	65 - 135		%Rec	1	7/7/2021 4:36:47 AM

Sample Moisture (Percent Moisture)

Batch ID: R68370 Analyst: OK

Percent Moisture	8.86	0.500		wt%	1	7/6/2021 12:37:15 PM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2107061-002

Collection Date: 7/6/2021 8:00:00 AM

Client Sample ID: T8-S21-E04-161

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: 32888 Analyst: MM

Diesel (Fuel Oil)	ND	53.6		mg/Kg-dry	1	7/6/2021 7:15:01 PM
Heavy Oil	ND	107		mg/Kg-dry	1	7/6/2021 7:15:01 PM
Total Petroleum Hydrocarbons	ND	161		mg/Kg-dry	1	7/6/2021 7:15:01 PM
Surr: 2-Fluorobiphenyl	87.2	50 - 150		%Rec	1	7/6/2021 7:15:01 PM
Surr: o-Terphenyl	88.0	50 - 150		%Rec	1	7/6/2021 7:15:01 PM

Gasoline by NWTPH-Gx

Batch ID: 32879 Analyst: KT

Gasoline	ND	7.74		mg/Kg-dry	1	7/7/2021 5:07:13 AM
Gasoline Range Organics (C6-C12)	10.8	7.74		mg/Kg-dry	1	7/7/2021 5:07:13 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	7/7/2021 5:07:13 AM
Surr: 4-Bromofluorobenzene	93.2	65 - 135		%Rec	1	7/7/2021 5:07:13 AM

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12). Pattern does not resemble a known petroleum distillate.

Sample Moisture (Percent Moisture)

Batch ID: R68370 Analyst: OK

Percent Moisture	7.44	0.500		wt%	1	7/6/2021 12:37:15 PM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2107061-003

Collection Date: 7/6/2021 8:15:00 AM

Client Sample ID: T8-S23-E04-161

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: 32888 Analyst: MM

Diesel (Fuel Oil)	ND	46.4		mg/Kg-dry	1	7/6/2021 7:27:55 PM
Heavy Oil	ND	92.8		mg/Kg-dry	1	7/6/2021 7:27:55 PM
Total Petroleum Hydrocarbons	ND	139		mg/Kg-dry	1	7/6/2021 7:27:55 PM
Surr: 2-Fluorobiphenyl	85.2	50 - 150		%Rec	1	7/6/2021 7:27:55 PM
Surr: o-Terphenyl	84.5	50 - 150		%Rec	1	7/6/2021 7:27:55 PM

Gasoline by NWTPH-Gx

Batch ID: 32879 Analyst: KT

Gasoline	ND	5.42		mg/Kg-dry	1	7/7/2021 5:37:33 AM
Surr: Toluene-d8	105	65 - 135		%Rec	1	7/7/2021 5:37:33 AM
Surr: 4-Bromofluorobenzene	92.9	65 - 135		%Rec	1	7/7/2021 5:37:33 AM

Sample Moisture (Percent Moisture)

Batch ID: R68370 Analyst: OK

Percent Moisture	6.98	0.500		wt%	1	7/6/2021 12:37:15 PM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2107061-004

Collection Date: 7/6/2021 9:00:00 AM

Client Sample ID: T8-S91-E91-161

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: 32888 Analyst: MM

Diesel (Fuel Oil)	ND	50.7		mg/Kg-dry	1	7/6/2021 7:40:41 PM
Heavy Oil	ND	101		mg/Kg-dry	1	7/6/2021 7:40:41 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	7/6/2021 7:40:41 PM
Surr: 2-Fluorobiphenyl	87.5	50 - 150		%Rec	1	7/6/2021 7:40:41 PM
Surr: o-Terphenyl	90.0	50 - 150		%Rec	1	7/6/2021 7:40:41 PM

Gasoline by NWTPH-Gx

Batch ID: 32879 Analyst: KT

Gasoline	ND	5.69		mg/Kg-dry	1	7/7/2021 6:07:51 AM
Surr: Toluene-d8	105	65 - 135		%Rec	1	7/7/2021 6:07:51 AM
Surr: 4-Bromofluorobenzene	92.4	65 - 135		%Rec	1	7/7/2021 6:07:51 AM

Sample Moisture (Percent Moisture)

Batch ID: R68370 Analyst: OK

Percent Moisture	8.29	0.500		wt%	1	7/6/2021 12:37:15 PM
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Work Order: 2107061
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2107056-001ADUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 7/6/2021	RunNo: 68381				
Client ID: BATCH	Batch ID: 32888					Analysis Date: 7/6/2021	SeqNo: 1381560				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	46.1						0		30	
Heavy Oil	ND	92.2						0		30	
Total Petroleum Hydrocarbons	ND	138						0		30	
Surr: 2-Fluorobiphenyl	7.78		9.223		84.3	50	150		0		
Surr: o-Terphenyl	7.62		9.223		82.6	50	150		0		

Sample ID: MB-32888	SampType: MBLK	Units: mg/Kg				Prep Date: 7/6/2021	RunNo: 68381				
Client ID: MBLKS	Batch ID: 32888					Analysis Date: 7/6/2021	SeqNo: 1381715				
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	8.89		10.00		88.9	50	150				
Surr: o-Terphenyl	8.98		10.00		89.8	50	150				

Sample ID: LCS-32888	SampType: LCS	Units: mg/Kg				Prep Date: 7/6/2021	RunNo: 68381				
Client ID: LCSS	Batch ID: 32888					Analysis Date: 7/6/2021	SeqNo: 1381716				
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	75.7	116				
Surr: 2-Fluorobiphenyl	9.81		10.00		98.1	50	150				
Surr: o-Terphenyl	10.2		10.00		102	50	150				

Sample ID: 2107056-001ADUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 7/6/2021	RunNo: 68381				
Client ID: BATCH	Batch ID: 32888					Analysis Date: 7/6/2021	SeqNo: 1381720				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	46.1						0		30	

Work Order: 2107061
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2107056-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/6/2021	RunNo: 68381							
Client ID: BATCH	Batch ID: 32888	Analysis Date: 7/6/2021	SeqNo: 1381720								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	ND	92.2						0		30	
Total Petroleum Hydrocarbons	ND	138						0		30	
Surr: 2-Fluorobiphenyl	8.02		9.223		87.0	50	150		0		
Surr: o-Terphenyl	7.83		9.223		84.9	50	150		0		

Sample ID: 2107056-014AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/6/2021	RunNo: 68381							
Client ID: BATCH	Batch ID: 32888	Analysis Date: 7/6/2021	SeqNo: 1381730								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	504	149	498.1	0	101	59.6	134				
Surr: 2-Fluorobiphenyl	9.07		9.963		91.0	50	150				
Surr: o-Terphenyl	10.7		9.963		107	50	150				

Sample ID: 2107056-014AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/6/2021	RunNo: 68381							
Client ID: BATCH	Batch ID: 32888	Analysis Date: 7/6/2021	SeqNo: 1381731								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	532	142	473.1	0	112	59.6	134	504.3	5.29	30	
Surr: 2-Fluorobiphenyl	9.19		9.462		97.1	50	150		0		
Surr: o-Terphenyl	11.0		9.462		116	50	150		0		

Work Order: 2107061
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32879	SampType: LCS	Units: mg/Kg			Prep Date: 7/2/2021	RunNo: 68384					
Client ID: LCSS	Batch ID: 32879				Analysis Date: 7/6/2021	SeqNo: 1381735					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	26.6	5.00	25.00	0	106	65	135				
Surr: Toluene-d8	1.25		1.250		99.7	65	135				
Surr: 4-Bromofluorobenzene	1.26		1.250		101	65	135				

Sample ID: MB-32879	SampType: MBLK	Units: mg/Kg			Prep Date: 7/2/2021	RunNo: 68384					
Client ID: MBLKS	Batch ID: 32879				Analysis Date: 7/6/2021	SeqNo: 1381736					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.28		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.17		1.250		93.4	65	135				

Sample ID: 2106514-003BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/6/2021	RunNo: 68384					
Client ID: BATCH	Batch ID: 32879				Analysis Date: 7/6/2021	SeqNo: 1381740					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.06						0		30	
Surr: Toluene-d8	1.30		1.264		103	65	135		0		
Surr: 4-Bromofluorobenzene	1.18		1.264		93.5	65	135		0		

Sample ID: 2106531-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 7/2/2021	RunNo: 68384					
Client ID: BATCH	Batch ID: 32879				Analysis Date: 7/6/2021	SeqNo: 1381746					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	34.4	6.72	33.61	0	102	65	135				
Surr: Toluene-d8	1.69		1.680		101	65	135				
Surr: 4-Bromofluorobenzene	1.72		1.680		103	65	135				

Work Order: 2107061
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2107043-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/2/2021	RunNo: 68384							
Client ID: BATCH	Batch ID: 32879	Analysis Date: 7/7/2021	SeqNo: 1381753								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.10						0		30	
Surr: Toluene-d8	1.30		1.275		102	65	135		0		
Surr: 4-Bromofluorobenzene	1.19		1.275		93.7	65	135		0		

Client Name: **AC**

 Work Order Number: **2107061**

 Logged by: **Gabrielle Coeuille**

 Date Received: **7/6/2021 9:40:57 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



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

Chain of Custody Record & Laboratory Services Agreement

Date: 7/6/21 Page: 1 of 1

Project Name: Skanska The Fifth Redevelopment

Project No: 180587

Collected by: Baxter GAN

Location:

Report To (PM): Al Cedrone, Amelia Carter

PM Email: acedrone@skanska.com amelia@skanska.com

Laboratory Project No (Internal): 207001

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 (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)
1 TB-519-E03-161	7/6/21	0745	S	3	X	X	X	X	X	X	X	X	X	X	X	X	
2 TB-521-E04-161		0800	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
3 TB-523-E04-161		0815	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
4 TB-591-E91-161		0900	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
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 (specify) 2 Day

Relinquished (Signature) *Baxter GAN* Print Name *Baxter GAN* Date/Time *7/6/21 10:30*

Received (Signature) *Al Cedrone* Print Name *Al Cedrone* Date/Time *7/16/21 10:55*



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: The Skanska Eight Redevelopment

Work Order Number: 2107093

July 08, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 6 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***
- 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:
Amelia Oates
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*

Revision v1



Date: 07/08/2021

CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment
Work Order: 2107093

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107093-001	T8-S19-E21-160	07/07/2021 11:20 AM	07/07/2021 2:45 PM
2107093-002	T8-S19-E14-150	07/07/2021 11:50 AM	07/07/2021 2:45 PM
2107093-003	T8-S24-E24-160	07/07/2021 12:45 PM	07/07/2021 2:45 PM
2107093-004	T8-TB-08	07/07/2021 1:00 PM	07/07/2021 2:45 PM
2107093-005	T8-S19-E22-160	07/07/2021 2:00 PM	07/07/2021 2:45 PM
2107093-006	T8-S16-E22-160	07/07/2021 1:50 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: The Skanska Eight Redevelopment

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.

7/8/2021: Revision 1 includes sample ID corrections.

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



Analytical Report

Work Order: 2107093
Date Reported: 7/8/2021

Client: Aspect Consulting
Project: The Skanska Eight Redevelopment
Lab ID: 2107093-001
Client Sample ID: T8-S19-E21-160

Collection Date: 7/7/2021 11:20:00 AM
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: 32921 Analyst: MM

Diesel (Fuel Oil)	ND	52.5		mg/Kg-dry	1	7/8/2021 9:30:19 AM
Heavy Oil	ND	105		mg/Kg-dry	1	7/8/2021 9:30:19 AM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	7/8/2021 9:30:19 AM
Surr: 2-Fluorobiphenyl	81.3	50 - 150		%Rec	1	7/8/2021 9:30:19 AM
Surr: o-Terphenyl	88.4	50 - 150		%Rec	1	7/8/2021 9:30:19 AM

Gasoline by NWTPH-Gx

Batch ID: 32918 Analyst: KT

Gasoline	ND	6.59		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	7/8/2021 1:47:11 AM
Surr: 4-Bromofluorobenzene	95.4	65 - 135		%Rec	1	7/8/2021 1:47:11 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0659		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Chloromethane	ND	0.105		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Vinyl chloride	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Bromomethane	ND	0.198		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Trichlorofluoromethane (CFC-11)	ND	0.0659		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Chloroethane	ND	0.158		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,1-Dichloroethene	ND	0.132		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Acetone	ND	0.659		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Methylene chloride	ND	0.0198		mg/Kg-dry	1	7/8/2021 1:47:11 AM
trans-1,2-Dichloroethene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Methyl tert-butyl ether (MTBE)	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,1-Dichloroethane	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
cis-1,2-Dichloroethene	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
(MEK) 2-Butanone	ND	0.593		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Chloroform	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,1,1-Trichloroethane (TCA)	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,1-Dichloropropene	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Carbon tetrachloride	ND	0.0988		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,2-Dichloroethane (EDC)	ND	0.0303		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Benzene	ND	0.0263		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Trichloroethene (TCE)	ND	0.0263		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,2-Dichloropropane	ND	0.0263		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Bromodichloromethane	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Dibromomethane	ND	0.0263		mg/Kg-dry	1	7/8/2021 1:47:11 AM
cis-1,3-Dichloropropene	ND	0.105		mg/Kg-dry	1	7/8/2021 1:47:11 AM



Analytical Report

Work Order: 2107093
Date Reported: 7/8/2021

Client: Aspect Consulting
Project: The Skanska Eight Redevelopment
Lab ID: 2107093-001
Client Sample ID: T8-S19-E21-160

Collection Date: 7/7/2021 11:20:00 AM
Matrix: Soil

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	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Trans-1,3-Dichloropropylene	ND	0.0659		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0988		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,1,2-Trichloroethane	ND	0.0224		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,3-Dichloropropane	ND	0.0263		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Tetrachloroethene (PCE)	ND	0.0527		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Dibromochloromethane	ND	0.0263		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,2-Dibromoethane (EDB)	ND	0.0132		mg/Kg-dry	1	7/8/2021 1:47:11 AM
2-Hexanone (MBK)	ND	0.0790		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Chlorobenzene	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,1,1,2-Tetrachloroethane	ND	0.0263		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Ethylbenzene	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
m,p-Xylene	ND	0.0659		mg/Kg-dry	1	7/8/2021 1:47:11 AM
o-Xylene	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Styrene	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Isopropylbenzene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Bromoform	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,1,2,2-Tetrachloroethane	ND	0.0198		mg/Kg-dry	1	7/8/2021 1:47:11 AM
n-Propylbenzene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Bromobenzene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,3,5-Trimethylbenzene	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
2-Chlorotoluene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
4-Chlorotoluene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
tert-Butylbenzene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,2,3-Trichloropropane	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,2,4-Trichlorobenzene	ND	0.0527		mg/Kg-dry	1	7/8/2021 1:47:11 AM
sec-Butylbenzene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
4-Isopropyltoluene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,3-Dichlorobenzene	ND	0.0461		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,4-Dichlorobenzene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
n-Butylbenzene	ND	0.0527		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,2-Dichlorobenzene	ND	0.0395		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,2-Dibromo-3-chloropropane	ND	0.0790		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,2,4-Trimethylbenzene	ND	0.0329		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Hexachloro-1,3-butadiene	ND	0.0659		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Naphthalene	ND	0.132		mg/Kg-dry	1	7/8/2021 1:47:11 AM
1,2,3-Trichlorobenzene	ND	0.0659		mg/Kg-dry	1	7/8/2021 1:47:11 AM
Surr: Dibromofluoromethane	101	80 - 120		%Rec	1	7/8/2021 1:47:11 AM
Surr: Toluene-d8	103	80 - 120		%Rec	1	7/8/2021 1:47:11 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 11:20:00 AM

Project: The Skanska Eight Redevelopment

Lab ID: 2107093-001

Matrix: Soil

Client Sample ID: T8-S19-E21-160

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	93.6	80 - 120		%Rec	1	7/8/2021 1:47:11 AM
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Sample Moisture (Percent Moisture)

Batch ID: R68400 Analyst: OK

Percent Moisture	10.2	0.500		wt%	1	7/7/2021 3:06:57 PM
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Client: Aspect Consulting

Collection Date: 7/7/2021 11:50:00 AM

Project: The Skanska Eight Redevelopment

Lab ID: 2107093-002

Matrix: Soil

Client Sample ID: T8-S19-E14-150

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	52.6		mg/Kg-dry	1	7/8/2021 10:08:51 AM
Heavy Oil	ND	105		mg/Kg-dry	1	7/8/2021 10:08:51 AM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	7/8/2021 10:08:51 AM
Surr: 2-Fluorobiphenyl	104	50 - 150		%Rec	1	7/8/2021 10:08:51 AM
Surr: o-Terphenyl	111	50 - 150		%Rec	1	7/8/2021 10:08:51 AM

Gasoline by NWTPH-Gx

Batch ID: 32918 Analyst: KT

Gasoline	ND	5.09		mg/Kg-dry	1	7/8/2021 2:47:59 AM
Surr: Toluene-d8	103	65 - 135		%Rec	1	7/8/2021 2:47:59 AM
Surr: 4-Bromofluorobenzene	93.6	65 - 135		%Rec	1	7/8/2021 2:47:59 AM

Sample Moisture (Percent Moisture)

Batch ID: R68400 Analyst: OK

Percent Moisture	6.44	0.500		wt%	1	7/7/2021 3:06:57 PM
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Analytical Report

Work Order: 2107093
Date Reported: 7/8/2021

Client: Aspect Consulting
Project: The Skanska Eight Redevelopment
Lab ID: 2107093-003
Client Sample ID: T8-S24-E24-160

Collection Date: 7/7/2021 12:45:00 PM
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: 32921 Analyst: MM

Diesel (Fuel Oil)	ND	50.8		mg/Kg-dry	1	7/8/2021 11:41:56 AM
Heavy Oil	ND	102		mg/Kg-dry	1	7/8/2021 11:41:56 AM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	7/8/2021 11:41:56 AM
Surr: 2-Fluorobiphenyl	82.2	50 - 150		%Rec	1	7/8/2021 11:41:56 AM
Surr: o-Terphenyl	96.1	50 - 150		%Rec	1	7/8/2021 11:41:56 AM

Gasoline by NWTPH-Gx

Batch ID: 32918 Analyst: KT

Gasoline	ND	4.56		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Surr: Toluene-d8	103	65 - 135		%Rec	1	7/8/2021 3:18:26 AM
Surr: 4-Bromofluorobenzene	94.0	65 - 135		%Rec	1	7/8/2021 3:18:26 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0456		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Chloromethane	ND	0.0730		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Vinyl chloride	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Bromomethane	ND	0.137		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Trichlorofluoromethane (CFC-11)	ND	0.0456		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Chloroethane	ND	0.110		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,1-Dichloroethene	ND	0.0913		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Acetone	ND	0.456		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Methylene chloride	ND	0.0137		mg/Kg-dry	1	7/8/2021 3:18:26 AM
trans-1,2-Dichloroethene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Methyl tert-butyl ether (MTBE)	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,1-Dichloroethane	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
cis-1,2-Dichloroethene	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
(MEK) 2-Butanone	ND	0.411		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Chloroform	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,1,1-Trichloroethane (TCA)	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,1-Dichloropropene	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Carbon tetrachloride	ND	0.0684		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,2-Dichloroethane (EDC)	ND	0.0210		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Benzene	ND	0.0183		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Trichloroethene (TCE)	ND	0.0183		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,2-Dichloropropane	ND	0.0183		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Bromodichloromethane	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Dibromomethane	ND	0.0183		mg/Kg-dry	1	7/8/2021 3:18:26 AM
cis-1,3-Dichloropropene	ND	0.0730		mg/Kg-dry	1	7/8/2021 3:18:26 AM



Analytical Report

Work Order: 2107093
Date Reported: 7/8/2021

Client: Aspect Consulting
Project: The Skanska Eight Redevelopment
Lab ID: 2107093-003
Client Sample ID: T8-S24-E24-160

Collection Date: 7/7/2021 12:45:00 PM
Matrix: Soil

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	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Trans-1,3-Dichloropropylene	ND	0.0456		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0684		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,1,2-Trichloroethane	ND	0.0155		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,3-Dichloropropane	ND	0.0183		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Tetrachloroethene (PCE)	ND	0.0365		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Dibromochloromethane	ND	0.0183		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,2-Dibromoethane (EDB)	ND	0.00913		mg/Kg-dry	1	7/8/2021 3:18:26 AM
2-Hexanone (MBK)	ND	0.0548		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Chlorobenzene	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,1,1,2-Tetrachloroethane	ND	0.0183		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Ethylbenzene	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
m,p-Xylene	ND	0.0456		mg/Kg-dry	1	7/8/2021 3:18:26 AM
o-Xylene	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Styrene	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Isopropylbenzene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Bromoform	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,1,2,2-Tetrachloroethane	ND	0.0137		mg/Kg-dry	1	7/8/2021 3:18:26 AM
n-Propylbenzene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Bromobenzene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,3,5-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
2-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
4-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
tert-Butylbenzene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,2,3-Trichloropropane	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,2,4-Trichlorobenzene	ND	0.0365		mg/Kg-dry	1	7/8/2021 3:18:26 AM
sec-Butylbenzene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
4-Isopropyltoluene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,3-Dichlorobenzene	ND	0.0319		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,4-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
n-Butylbenzene	ND	0.0365		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,2-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,2-Dibromo-3-chloropropane	ND	0.0548		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,2,4-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Hexachloro-1,3-butadiene	ND	0.0456		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Naphthalene	ND	0.0913		mg/Kg-dry	1	7/8/2021 3:18:26 AM
1,2,3-Trichlorobenzene	ND	0.0456		mg/Kg-dry	1	7/8/2021 3:18:26 AM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/8/2021 3:18:26 AM
Surr: Toluene-d8	102	80 - 120		%Rec	1	7/8/2021 3:18:26 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 12:45:00 PM

Project: The Skanska Eight Redevelopment

Lab ID: 2107093-003

Matrix: Soil

Client Sample ID: T8-S24-E24-160

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	92.3	80 - 120		%Rec	1	7/8/2021 3:18:26 AM
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Sample Moisture (Percent Moisture)

Batch ID: R68400 Analyst: OK

Percent Moisture	9.62	0.500		wt%	1	7/7/2021 3:06:57 PM
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Analytical Report

Work Order: 2107093
Date Reported: 7/8/2021

Client: Aspect Consulting
Project: The Skanska Eight Redevelopment
Lab ID: 2107093-004
Client Sample ID: T8-TB-08

Collection Date: 7/7/2021 1:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 32918		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	7/8/2021 12:46:22 AM
Chloromethane	ND	0.0800		mg/Kg	1	7/8/2021 12:46:22 AM
Vinyl chloride	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
Bromomethane	ND	0.150		mg/Kg	1	7/8/2021 12:46:22 AM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	7/8/2021 12:46:22 AM
Chloroethane	ND	0.120		mg/Kg	1	7/8/2021 12:46:22 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/8/2021 12:46:22 AM
Acetone	ND	0.500		mg/Kg	1	7/8/2021 12:46:22 AM
Methylene chloride	ND	0.0150		mg/Kg	1	7/8/2021 12:46:22 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	7/8/2021 12:46:22 AM
Chloroform	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	7/8/2021 12:46:22 AM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	7/8/2021 12:46:22 AM
Benzene	ND	0.0200		mg/Kg	1	7/8/2021 12:46:22 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/8/2021 12:46:22 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	7/8/2021 12:46:22 AM
Bromodichloromethane	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
Dibromomethane	ND	0.0200		mg/Kg	1	7/8/2021 12:46:22 AM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	7/8/2021 12:46:22 AM
Toluene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	7/8/2021 12:46:22 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	7/8/2021 12:46:22 AM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	7/8/2021 12:46:22 AM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	7/8/2021 12:46:22 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/8/2021 12:46:22 AM
Dibromochloromethane	ND	0.0200		mg/Kg	1	7/8/2021 12:46:22 AM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	7/8/2021 12:46:22 AM
2-Hexanone (MBK)	ND	0.0600		mg/Kg	1	7/8/2021 12:46:22 AM
Chlorobenzene	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	7/8/2021 12:46:22 AM
Ethylbenzene	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
m,p-Xylene	ND	0.0500		mg/Kg	1	7/8/2021 12:46:22 AM
o-Xylene	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 1:00:00 PM

Project: The Skanska Eight Redevelopment

Lab ID: 2107093-004

Matrix: Soil

Client Sample ID: T8-TB-08

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 12:46:22 AM
Isopropylbenzene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
Bromoform	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	7/8/2021 12:46:22 AM
n-Propylbenzene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
Bromobenzene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	7/8/2021 12:46:22 AM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	7/8/2021 12:46:22 AM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
n-Butylbenzene	ND	0.0400		mg/Kg	1	7/8/2021 12:46:22 AM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/8/2021 12:46:22 AM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	7/8/2021 12:46:22 AM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/8/2021 12:46:22 AM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	7/8/2021 12:46:22 AM
Naphthalene	ND	0.100		mg/Kg	1	7/8/2021 12:46:22 AM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	7/8/2021 12:46:22 AM
Surr: Dibromofluoromethane	101	80 - 120		%Rec	1	7/8/2021 12:46:22 AM
Surr: Toluene-d8	103	80 - 120		%Rec	1	7/8/2021 12:46:22 AM
Surr: 1-Bromo-4-fluorobenzene	92.6	80 - 120		%Rec	1	7/8/2021 12:46:22 AM



Analytical Report

Work Order: 2107093
Date Reported: 7/8/2021

Client: Aspect Consulting
Project: The Skanska Eight Redevelopment
Lab ID: 2107093-005
Client Sample ID: T8-S19-E22-160

Collection Date: 7/7/2021 2:00:00 PM
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: 32921 Analyst: MM

Diesel (Fuel Oil)	ND	52.6		mg/Kg-dry	1	7/8/2021 11:54:38 AM
Heavy Oil	ND	105		mg/Kg-dry	1	7/8/2021 11:54:38 AM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	7/8/2021 11:54:38 AM
Surr: 2-Fluorobiphenyl	80.2	50 - 150		%Rec	1	7/8/2021 11:54:38 AM
Surr: o-Terphenyl	92.8	50 - 150		%Rec	1	7/8/2021 11:54:38 AM

Gasoline by NWTPH-Gx

Batch ID: 32918 Analyst: KT

Gasoline	ND	5.20		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Surr: Toluene-d8	103	65 - 135		%Rec	1	7/8/2021 3:48:43 AM
Surr: 4-Bromofluorobenzene	93.3	65 - 135		%Rec	1	7/8/2021 3:48:43 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0520		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Chloromethane	ND	0.0831		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Vinyl chloride	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Bromomethane	ND	0.156		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Trichlorofluoromethane (CFC-11)	ND	0.0520		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Chloroethane	ND	0.125		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,1-Dichloroethene	ND	0.104		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Acetone	ND	0.520		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Methylene chloride	ND	0.0156		mg/Kg-dry	1	7/8/2021 3:48:43 AM
trans-1,2-Dichloroethene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Methyl tert-butyl ether (MTBE)	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,1-Dichloroethane	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
cis-1,2-Dichloroethene	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
(MEK) 2-Butanone	ND	0.468		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Chloroform	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,1,1-Trichloroethane (TCA)	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,1-Dichloropropene	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Carbon tetrachloride	ND	0.0779		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,2-Dichloroethane (EDC)	ND	0.0239		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Benzene	ND	0.0208		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Trichloroethene (TCE)	ND	0.0208		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,2-Dichloropropane	ND	0.0208		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Bromodichloromethane	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Dibromomethane	ND	0.0208		mg/Kg-dry	1	7/8/2021 3:48:43 AM
cis-1,3-Dichloropropene	ND	0.0831		mg/Kg-dry	1	7/8/2021 3:48:43 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 2:00:00 PM

Project: The Skanska Eight Redevelopment

Lab ID: 2107093-005

Matrix: Soil

Client Sample ID: T8-S19-E22-160

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	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Trans-1,3-Dichloropropylene	ND	0.0520		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0779		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,1,2-Trichloroethane	ND	0.0177		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,3-Dichloropropane	ND	0.0208		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Tetrachloroethene (PCE)	ND	0.0416		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Dibromochloromethane	ND	0.0208		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,2-Dibromoethane (EDB)	ND	0.0104		mg/Kg-dry	1	7/8/2021 3:48:43 AM
2-Hexanone (MBK)	ND	0.0623		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Chlorobenzene	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,1,1,2-Tetrachloroethane	ND	0.0208		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Ethylbenzene	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
m,p-Xylene	ND	0.0520		mg/Kg-dry	1	7/8/2021 3:48:43 AM
o-Xylene	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Styrene	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Isopropylbenzene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Bromoform	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,1,2,2-Tetrachloroethane	ND	0.0156		mg/Kg-dry	1	7/8/2021 3:48:43 AM
n-Propylbenzene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Bromobenzene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,3,5-Trimethylbenzene	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
2-Chlorotoluene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
4-Chlorotoluene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
tert-Butylbenzene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,2,3-Trichloropropane	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,2,4-Trichlorobenzene	ND	0.0416		mg/Kg-dry	1	7/8/2021 3:48:43 AM
sec-Butylbenzene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
4-Isopropyltoluene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,3-Dichlorobenzene	ND	0.0364		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,4-Dichlorobenzene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
n-Butylbenzene	ND	0.0416		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,2-Dichlorobenzene	ND	0.0312		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,2-Dibromo-3-chloropropane	ND	0.0623		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,2,4-Trimethylbenzene	ND	0.0260		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Hexachloro-1,3-butadiene	ND	0.0520		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Naphthalene	ND	0.104		mg/Kg-dry	1	7/8/2021 3:48:43 AM
1,2,3-Trichlorobenzene	ND	0.0520		mg/Kg-dry	1	7/8/2021 3:48:43 AM
Surr: Dibromofluoromethane	101	80 - 120		%Rec	1	7/8/2021 3:48:43 AM
Surr: Toluene-d8	103	80 - 120		%Rec	1	7/8/2021 3:48:43 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 2:00:00 PM

Project: The Skanska Eight Redevelopment

Lab ID: 2107093-005

Matrix: Soil

Client Sample ID: T8-S19-E22-160

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	91.6	80 - 120		%Rec	1	7/8/2021 3:48:43 AM
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Sample Moisture (Percent Moisture)

Batch ID: R68400 Analyst: OK

Percent Moisture	9.76	0.500		wt%	1	7/7/2021 3:06:57 PM
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Analytical Report

Work Order: 2107093
Date Reported: 7/8/2021

Client: Aspect Consulting
Project: The Skanska Eight Redevelopment
Lab ID: 2107093-006
Client Sample ID: T8-S16-E22-160

Collection Date: 7/7/2021 1:50:00 PM
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: 32921 Analyst: MM

Diesel (Fuel Oil)	ND	47.1		mg/Kg-dry	1	7/8/2021 5:08:57 PM
Heavy Oil	ND	94.2		mg/Kg-dry	1	7/8/2021 5:08:57 PM
Total Petroleum Hydrocarbons	ND	141		mg/Kg-dry	1	7/8/2021 5:08:57 PM
Surr: 2-Fluorobiphenyl	87.6	50 - 150		%Rec	1	7/8/2021 5:08:57 PM
Surr: o-Terphenyl	105	50 - 150		%Rec	1	7/8/2021 5:08:57 PM

Gasoline by NWTPH-Gx

Batch ID: 32918 Analyst: KT

Gasoline	ND	6.51		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	7/8/2021 4:19:09 AM
Surr: 4-Bromofluorobenzene	94.0	65 - 135		%Rec	1	7/8/2021 4:19:09 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32918 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0651		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Chloromethane	ND	0.104		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Vinyl chloride	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Bromomethane	ND	0.195		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Trichlorofluoromethane (CFC-11)	ND	0.0651		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Chloroethane	ND	0.156		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,1-Dichloroethene	ND	0.130		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Acetone	ND	0.651		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Methylene chloride	ND	0.0195		mg/Kg-dry	1	7/8/2021 4:19:09 AM
trans-1,2-Dichloroethene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Methyl tert-butyl ether (MTBE)	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,1-Dichloroethane	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
cis-1,2-Dichloroethene	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
(MEK) 2-Butanone	ND	0.586		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Chloroform	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,1,1-Trichloroethane (TCA)	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,1-Dichloropropene	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Carbon tetrachloride	ND	0.0977		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,2-Dichloroethane (EDC)	ND	0.0299		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Benzene	ND	0.0260		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Trichloroethene (TCE)	ND	0.0260		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,2-Dichloropropane	ND	0.0260		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Bromodichloromethane	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Dibromomethane	ND	0.0260		mg/Kg-dry	1	7/8/2021 4:19:09 AM
cis-1,3-Dichloropropene	ND	0.104		mg/Kg-dry	1	7/8/2021 4:19:09 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 1:50:00 PM

Project: The Skanska Eight Redevelopment

Lab ID: 2107093-006

Matrix: Soil

Client Sample ID: T8-S16-E22-160

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	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Trans-1,3-Dichloropropylene	ND	0.0651		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0977		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,1,2-Trichloroethane	ND	0.0221		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,3-Dichloropropane	ND	0.0260		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Tetrachloroethene (PCE)	ND	0.0521		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Dibromochloromethane	ND	0.0260		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,2-Dibromoethane (EDB)	ND	0.0130		mg/Kg-dry	1	7/8/2021 4:19:09 AM
2-Hexanone (MBK)	ND	0.0781		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Chlorobenzene	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,1,1,2-Tetrachloroethane	ND	0.0260		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Ethylbenzene	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
m,p-Xylene	ND	0.0651		mg/Kg-dry	1	7/8/2021 4:19:09 AM
o-Xylene	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Styrene	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Isopropylbenzene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Bromoform	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,1,2,2-Tetrachloroethane	ND	0.0195		mg/Kg-dry	1	7/8/2021 4:19:09 AM
n-Propylbenzene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Bromobenzene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,3,5-Trimethylbenzene	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
2-Chlorotoluene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
4-Chlorotoluene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
tert-Butylbenzene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,2,3-Trichloropropane	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,2,4-Trichlorobenzene	ND	0.0521		mg/Kg-dry	1	7/8/2021 4:19:09 AM
sec-Butylbenzene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
4-Isopropyltoluene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,3-Dichlorobenzene	ND	0.0456		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,4-Dichlorobenzene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
n-Butylbenzene	ND	0.0521		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,2-Dichlorobenzene	ND	0.0391		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,2-Dibromo-3-chloropropane	ND	0.0781		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,2,4-Trimethylbenzene	ND	0.0326		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Hexachloro-1,3-butadiene	ND	0.0651		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Naphthalene	ND	0.130		mg/Kg-dry	1	7/8/2021 4:19:09 AM
1,2,3-Trichlorobenzene	ND	0.0651		mg/Kg-dry	1	7/8/2021 4:19:09 AM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/8/2021 4:19:09 AM
Surr: Toluene-d8	101	80 - 120		%Rec	1	7/8/2021 4:19:09 AM



Client: Aspect Consulting

Collection Date: 7/7/2021 1:50:00 PM

Project: The Skanska Eight Redevelopment

Lab ID: 2107093-006

Matrix: Soil

Client Sample ID: T8-S16-E22-160

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 4:19:09 AM
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Sample Moisture (Percent Moisture)

Batch ID: R68400 Analyst: OK

Percent Moisture	9.11	0.500		wt%	1	7/7/2021 3:06:57 PM
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Work Order: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: T8-S19-E21-160	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: T8-S19-E21-160	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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: T8-S19-E21-160	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: BATCH	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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: T8-S19-E21-160	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: BATCH	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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: BATCH	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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: 2107093
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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: 2107093
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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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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									

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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: T8-S19-E21-160	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: 2107093
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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: T8-S19-E21-160	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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: T8-S19-E21-160	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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: BATCH	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: 2107093
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Project: The Skanska Eight Redevelopment

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: BATCH	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

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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: BATCH	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: T8-S16-E22-160	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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: T8-S16-E22-160	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: 2107093
CLIENT: Aspect Consulting
Project: The Skanska Eight Redevelopment

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: T8-S16-E22-160	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: 2107093
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: Skanska T3 East Redevelopment

Project No: 180587

Collected by: Baxter Call

Location: _____

Report To (PM): Ali Cochran, Amelia Otero

PM Email: acochran@aspectconsulting.com

Laboratory Project No (Internal): 1107093

Special Remarks: _____

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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	PM Email: <u>acochran@aspectconsulting.com</u>											Comments	
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HX)	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 (IC)**		EDB (8011)
1 TB-S19-E24-160	7/7/21	1126	S	3	X	X	X	X	X	X	X	X	X	X	X	X	
2 TB-S19-E14-150		1150	S	↓	X	X	X	X	X	X	X	X	X	X	X	X	
3 TB-S24-E24-160		1246	S	↓	X	X	X	X	X	X	X	X	X	X	X	X	
4 TB-TB-08		1300	A	1	X												
5 TB-S19-E22-166	7/7/21	1400	S	3	X	X	X	X	X	X	X	X	X	X	X	X	
6 TB-S16-E22-160		1356	S	↓	X	X	X	X	X	X	X	X	X	X	X	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): 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 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 _____

Relinquished (Signature) Baxter Call Print Name Baxter Call Date/Time 7/7/21

Relinquished (Signature) _____ Print Name _____ Date/Time _____

Relinquished (Signature) Ali Cochran Print Name Ali Cochran Date/Time 7/7/21

Relinquished (Signature) _____ Print Name _____ Date/Time _____



Aspect Consulting

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

RE: Skanska The Eight Redevelopment
Work Order Number: 2107121

July 12, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 7/8/2021 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:

Amelia Oates
Jessica Smith



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2107121

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107121-001	T8-S24-E21-155	07/08/2021 12:30 PM	07/08/2021 3:14 PM
2107121-002	T8-S22-E19-155	07/08/2021 12:45 PM	07/08/2021 3:14 PM
2107121-003	T8-S20-E20-155	07/08/2021 1:00 PM	07/08/2021 3:14 PM
2107121-004	T8-S14-E24-160	07/08/2021 1:45 PM	07/08/2021 3:14 PM
2107121-005	T8-TB-09	07/08/2021 12:00 PM	07/08/2021 3:14 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment
Lab ID: 2107121-001
Client Sample ID: T8-S24-E21-155

Collection Date: 7/8/2021 12:30:00 PM
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: 32940 Analyst: MM

Diesel (Fuel Oil)	ND	54.6		mg/Kg-dry	1	7/9/2021 1:02:21 PM
Heavy Oil	ND	109		mg/Kg-dry	1	7/9/2021 1:02:21 PM
Total Petroleum Hydrocarbons	ND	164		mg/Kg-dry	1	7/9/2021 1:02:21 PM
Surr: 2-Fluorobiphenyl	86.9	50 - 150		%Rec	1	7/9/2021 1:02:21 PM
Surr: o-Terphenyl	91.1	50 - 150		%Rec	1	7/9/2021 1:02:21 PM

Gasoline by NWTPH-Gx

Batch ID: 32942 Analyst: KT

Gasoline	ND	4.85		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Surr: Toluene-d8	99.5	65 - 135		%Rec	1	7/9/2021 8:32:00 PM
Surr: 4-Bromofluorobenzene	97.6	65 - 135		%Rec	1	7/9/2021 8:32:00 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32942 Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0485		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Chloromethane	ND	0.0776		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Vinyl chloride	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Bromomethane	ND	0.145		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0485		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Chloroethane	ND	0.116		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,1-Dichloroethene	ND	0.0970		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Acetone	ND	0.485		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Methylene chloride	ND	0.0145		mg/Kg-dry	1	7/9/2021 8:32:00 PM
trans-1,2-Dichloroethene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,1-Dichloroethane	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
cis-1,2-Dichloroethene	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
(MEK) 2-Butanone	ND	0.436		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Chloroform	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,1,1-Trichloroethane (TCA)	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,1-Dichloropropene	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Carbon tetrachloride	ND	0.0727		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,2-Dichloroethane (EDC)	ND	0.0223		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Benzene	ND	0.0194		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Trichloroethene (TCE)	ND	0.0194		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,2-Dichloropropane	ND	0.0194		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Bromodichloromethane	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Dibromomethane	ND	0.0194		mg/Kg-dry	1	7/9/2021 8:32:00 PM
cis-1,3-Dichloropropene	ND	0.0776		mg/Kg-dry	1	7/9/2021 8:32:00 PM



Analytical Report

Work Order: 2107121

Date Reported: 7/12/2021

Client: Aspect Consulting

Collection Date: 7/8/2021 12:30:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-001

Matrix: Soil

Client Sample ID: T8-S24-E21-155

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

Batch ID: 32942

Analyst: KT

Toluene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Trans-1,3-Dichloropropylene	ND	0.0485		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0727		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,1,2-Trichloroethane	ND	0.0165		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,3-Dichloropropane	ND	0.0194		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Tetrachloroethene (PCE)	ND	0.0388		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Dibromochloromethane	ND	0.0194		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,2-Dibromoethane (EDB)	ND	0.00970		mg/Kg-dry	1	7/9/2021 8:32:00 PM
2-Hexanone (MBK)	ND	0.0582		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Chlorobenzene	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0194		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Ethylbenzene	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
m,p-Xylene	ND	0.0485		mg/Kg-dry	1	7/9/2021 8:32:00 PM
o-Xylene	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Styrene	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Isopropylbenzene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Bromoform	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0145		mg/Kg-dry	1	7/9/2021 8:32:00 PM
n-Propylbenzene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Bromobenzene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,3,5-Trimethylbenzene	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
2-Chlorotoluene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
4-Chlorotoluene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
tert-Butylbenzene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,2,3-Trichloropropane	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,2,4-Trichlorobenzene	ND	0.0388		mg/Kg-dry	1	7/9/2021 8:32:00 PM
sec-Butylbenzene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
4-Isopropyltoluene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,3-Dichlorobenzene	ND	0.0339		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,4-Dichlorobenzene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
n-Butylbenzene	ND	0.0388		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,2-Dichlorobenzene	ND	0.0291		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0582		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,2,4-Trimethylbenzene	ND	0.0242		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Hexachloro-1,3-butadiene	ND	0.0485		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Naphthalene	ND	0.0970		mg/Kg-dry	1	7/9/2021 8:32:00 PM
1,2,3-Trichlorobenzene	ND	0.0485		mg/Kg-dry	1	7/9/2021 8:32:00 PM
Surr: Dibromofluoromethane	103	80 - 120		%Rec	1	7/9/2021 8:32:00 PM
Surr: Toluene-d8	102	80 - 120		%Rec	1	7/9/2021 8:32:00 PM

Original



Client: Aspect Consulting

Collection Date: 7/8/2021 12:30:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-001

Matrix: Soil

Client Sample ID: T8-S24-E21-155

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

Batch ID: 32942 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	95.8	80 - 120		%Rec	1	7/9/2021 8:32:00 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68438 Analyst: OK

Percent Moisture	9.93	0.500		wt%	1	7/9/2021 8:05:50 AM
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Client: Aspect Consulting

Collection Date: 7/8/2021 12:45:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-002

Matrix: Soil

Client Sample ID: T8-S22-E19-155

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

Batch ID: 32940

Analyst: MM

Diesel (Fuel Oil)	ND	47.2		mg/Kg-dry	1	7/9/2021 1:15:08 PM
Heavy Oil	ND	94.4		mg/Kg-dry	1	7/9/2021 1:15:08 PM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	7/9/2021 1:15:08 PM
Surr: 2-Fluorobiphenyl	94.7	50 - 150		%Rec	1	7/9/2021 1:15:08 PM
Surr: o-Terphenyl	101	50 - 150		%Rec	1	7/9/2021 1:15:08 PM

Gasoline by NWTPH-Gx

Batch ID: 32942

Analyst: KT

Gasoline	ND	5.76		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	7/9/2021 9:02:21 PM
Surr: 4-Bromofluorobenzene	96.1	65 - 135		%Rec	1	7/9/2021 9:02:21 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32942

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0576		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Chloromethane	ND	0.0922		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Vinyl chloride	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Bromomethane	ND	0.173		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Trichlorofluoromethane (CFC-11)	ND	0.0576		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Chloroethane	ND	0.138		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,1-Dichloroethene	ND	0.115		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Acetone	ND	0.576		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Methylene chloride	ND	0.0173		mg/Kg-dry	1	7/9/2021 9:02:21 PM
trans-1,2-Dichloroethene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Methyl tert-butyl ether (MTBE)	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,1-Dichloroethane	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
cis-1,2-Dichloroethene	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
(MEK) 2-Butanone	ND	0.519		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Chloroform	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,1,1-Trichloroethane (TCA)	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,1-Dichloropropene	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Carbon tetrachloride	ND	0.0864		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,2-Dichloroethane (EDC)	ND	0.0265		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Benzene	ND	0.0230		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Trichloroethene (TCE)	ND	0.0230		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,2-Dichloropropane	ND	0.0230		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Bromodichloromethane	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Dibromomethane	ND	0.0230		mg/Kg-dry	1	7/9/2021 9:02:21 PM
cis-1,3-Dichloropropene	ND	0.0922		mg/Kg-dry	1	7/9/2021 9:02:21 PM



Analytical Report

Work Order: 2107121
Date Reported: 7/12/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107121-002
Client Sample ID: T8-S22-E19-155

Collection Date: 7/8/2021 12:45:00 PM
Matrix: Soil

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

Batch ID: 32942 Analyst: KT

Toluene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Trans-1,3-Dichloropropylene	ND	0.0576		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0864		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,1,2-Trichloroethane	ND	0.0196		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,3-Dichloropropane	ND	0.0230		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Tetrachloroethene (PCE)	ND	0.0461		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Dibromochloromethane	ND	0.0230		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,2-Dibromoethane (EDB)	ND	0.0115		mg/Kg-dry	1	7/9/2021 9:02:21 PM
2-Hexanone (MBK)	ND	0.0691		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Chlorobenzene	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,1,1,2-Tetrachloroethane	ND	0.0230		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Ethylbenzene	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
m,p-Xylene	ND	0.0576		mg/Kg-dry	1	7/9/2021 9:02:21 PM
o-Xylene	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Styrene	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Isopropylbenzene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Bromoform	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,1,2,2-Tetrachloroethane	ND	0.0173		mg/Kg-dry	1	7/9/2021 9:02:21 PM
n-Propylbenzene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Bromobenzene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,3,5-Trimethylbenzene	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
2-Chlorotoluene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
4-Chlorotoluene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
tert-Butylbenzene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,2,3-Trichloropropane	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,2,4-Trichlorobenzene	ND	0.0461		mg/Kg-dry	1	7/9/2021 9:02:21 PM
sec-Butylbenzene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
4-Isopropyltoluene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,3-Dichlorobenzene	ND	0.0403		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,4-Dichlorobenzene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
n-Butylbenzene	ND	0.0461		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,2-Dichlorobenzene	ND	0.0346		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,2-Dibromo-3-chloropropane	ND	0.0691		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,2,4-Trimethylbenzene	ND	0.0288		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Hexachloro-1,3-butadiene	ND	0.0576		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Naphthalene	ND	0.115		mg/Kg-dry	1	7/9/2021 9:02:21 PM
1,2,3-Trichlorobenzene	ND	0.0576		mg/Kg-dry	1	7/9/2021 9:02:21 PM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/9/2021 9:02:21 PM
Surr: Toluene-d8	102	80 - 120		%Rec	1	7/9/2021 9:02:21 PM



Client: Aspect Consulting

Collection Date: 7/8/2021 12:45:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-002

Matrix: Soil

Client Sample ID: T8-S22-E19-155

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

Batch ID: 32942 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	94.5	80 - 120		%Rec	1	7/9/2021 9:02:21 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68438 Analyst: OK

Percent Moisture	9.12	0.500		wt%	1	7/9/2021 8:05:50 AM
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Client: Aspect Consulting

Collection Date: 7/8/2021 1:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-003

Matrix: Soil

Client Sample ID: T8-S20-E20-155

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

Batch ID: 32940

Analyst: MM

Diesel (Fuel Oil)	ND	50.5		mg/Kg-dry	1	7/9/2021 1:27:52 PM
Heavy Oil	ND	101		mg/Kg-dry	1	7/9/2021 1:27:52 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	7/9/2021 1:27:52 PM
Surr: 2-Fluorobiphenyl	94.3	50 - 150		%Rec	1	7/9/2021 1:27:52 PM
Surr: o-Terphenyl	99.5	50 - 150		%Rec	1	7/9/2021 1:27:52 PM

Gasoline by NWTPH-Gx

Batch ID: 32942

Analyst: KT

Gasoline	ND	4.66		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Surr: Toluene-d8	99.9	65 - 135		%Rec	1	7/9/2021 9:32:43 PM
Surr: 4-Bromofluorobenzene	95.5	65 - 135		%Rec	1	7/9/2021 9:32:43 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32942

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0466		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Chloromethane	ND	0.0745		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Vinyl chloride	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Bromomethane	ND	0.140		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Trichlorofluoromethane (CFC-11)	ND	0.0466		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Chloroethane	ND	0.112		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,1-Dichloroethene	ND	0.0931		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Acetone	ND	0.466		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Methylene chloride	ND	0.0140		mg/Kg-dry	1	7/9/2021 9:32:43 PM
trans-1,2-Dichloroethene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Methyl tert-butyl ether (MTBE)	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,1-Dichloroethane	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
cis-1,2-Dichloroethene	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
(MEK) 2-Butanone	ND	0.419		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Chloroform	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,1,1-Trichloroethane (TCA)	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,1-Dichloropropene	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Carbon tetrachloride	ND	0.0698		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,2-Dichloroethane (EDC)	ND	0.0214		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Benzene	ND	0.0186		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Trichloroethene (TCE)	ND	0.0186		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,2-Dichloropropane	ND	0.0186		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Bromodichloromethane	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Dibromomethane	ND	0.0186		mg/Kg-dry	1	7/9/2021 9:32:43 PM
cis-1,3-Dichloropropene	ND	0.0745		mg/Kg-dry	1	7/9/2021 9:32:43 PM



Client: Aspect Consulting

Collection Date: 7/8/2021 1:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-003

Matrix: Soil

Client Sample ID: T8-S20-E20-155

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

Batch ID: 32942

Analyst: KT

Toluene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Trans-1,3-Dichloropropylene	ND	0.0466		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0698		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,1,2-Trichloroethane	ND	0.0158		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,3-Dichloropropane	ND	0.0186		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Tetrachloroethene (PCE)	ND	0.0372		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Dibromochloromethane	ND	0.0186		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,2-Dibromoethane (EDB)	ND	0.00931		mg/Kg-dry	1	7/9/2021 9:32:43 PM
2-Hexanone (MBK)	ND	0.0559		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Chlorobenzene	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,1,1,2-Tetrachloroethane	ND	0.0186		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Ethylbenzene	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
m,p-Xylene	ND	0.0466		mg/Kg-dry	1	7/9/2021 9:32:43 PM
o-Xylene	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Styrene	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Isopropylbenzene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Bromoform	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,1,2,2-Tetrachloroethane	ND	0.0140		mg/Kg-dry	1	7/9/2021 9:32:43 PM
n-Propylbenzene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Bromobenzene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,3,5-Trimethylbenzene	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
2-Chlorotoluene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
4-Chlorotoluene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
tert-Butylbenzene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,2,3-Trichloropropane	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,2,4-Trichlorobenzene	ND	0.0372		mg/Kg-dry	1	7/9/2021 9:32:43 PM
sec-Butylbenzene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
4-Isopropyltoluene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,3-Dichlorobenzene	ND	0.0326		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,4-Dichlorobenzene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
n-Butylbenzene	ND	0.0372		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,2-Dichlorobenzene	ND	0.0279		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,2-Dibromo-3-chloropropane	ND	0.0559		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,2,4-Trimethylbenzene	ND	0.0233		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Hexachloro-1,3-butadiene	ND	0.0466		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Naphthalene	ND	0.0931		mg/Kg-dry	1	7/9/2021 9:32:43 PM
1,2,3-Trichlorobenzene	ND	0.0466		mg/Kg-dry	1	7/9/2021 9:32:43 PM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/9/2021 9:32:43 PM
Surr: Toluene-d8	102	80 - 120		%Rec	1	7/9/2021 9:32:43 PM



Client: Aspect Consulting

Collection Date: 7/8/2021 1:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-003

Matrix: Soil

Client Sample ID: T8-S20-E20-155

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

Batch ID: 32942 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	93.7	80 - 120		%Rec	1	7/9/2021 9:32:43 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68438 Analyst: OK

Percent Moisture	9.33	0.500		wt%	1	7/9/2021 8:05:50 AM
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Client: Aspect Consulting

Collection Date: 7/8/2021 1:45:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-004

Matrix: Soil

Client Sample ID: T8-S14-E24-160

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

Batch ID: 32940

Analyst: MM

Diesel (Fuel Oil)	ND	53.3		mg/Kg-dry	1	7/9/2021 2:05:58 PM
Heavy Oil	ND	107		mg/Kg-dry	1	7/9/2021 2:05:58 PM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	7/9/2021 2:05:58 PM
Surr: 2-Fluorobiphenyl	92.2	50 - 150		%Rec	1	7/9/2021 2:05:58 PM
Surr: o-Terphenyl	95.1	50 - 150		%Rec	1	7/9/2021 2:05:58 PM

Gasoline by NWTPH-Gx

Batch ID: 32942

Analyst: KT

Gasoline	ND	5.86		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	7/9/2021 10:03:05 PM
Surr: 4-Bromofluorobenzene	95.2	65 - 135		%Rec	1	7/9/2021 10:03:05 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32942

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0586		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Chloromethane	ND	0.0937		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Vinyl chloride	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Bromomethane	ND	0.176		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Trichlorofluoromethane (CFC-11)	ND	0.0586		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Chloroethane	ND	0.141		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,1-Dichloroethene	ND	0.117		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Acetone	ND	0.586		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Methylene chloride	ND	0.0176		mg/Kg-dry	1	7/9/2021 10:03:05 PM
trans-1,2-Dichloroethene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Methyl tert-butyl ether (MTBE)	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,1-Dichloroethane	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
cis-1,2-Dichloroethene	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
(MEK) 2-Butanone	ND	0.527		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Chloroform	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,1,1-Trichloroethane (TCA)	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,1-Dichloropropene	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Carbon tetrachloride	ND	0.0879		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,2-Dichloroethane (EDC)	ND	0.0270		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Benzene	ND	0.0234		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Trichloroethene (TCE)	ND	0.0234		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,2-Dichloropropane	ND	0.0234		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Bromodichloromethane	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Dibromomethane	ND	0.0234		mg/Kg-dry	1	7/9/2021 10:03:05 PM
cis-1,3-Dichloropropene	ND	0.0937		mg/Kg-dry	1	7/9/2021 10:03:05 PM



Client: Aspect Consulting

Collection Date: 7/8/2021 1:45:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-004

Matrix: Soil

Client Sample ID: T8-S14-E24-160

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

Batch ID: 32942

Analyst: KT

Toluene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Trans-1,3-Dichloropropylene	ND	0.0586		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0879		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,1,2-Trichloroethane	ND	0.0199		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,3-Dichloropropane	ND	0.0234		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Tetrachloroethene (PCE)	ND	0.0469		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Dibromochloromethane	ND	0.0234		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,2-Dibromoethane (EDB)	ND	0.0117		mg/Kg-dry	1	7/9/2021 10:03:05 PM
2-Hexanone (MBK)	ND	0.0703		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Chlorobenzene	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,1,1,2-Tetrachloroethane	ND	0.0234		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Ethylbenzene	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
m,p-Xylene	ND	0.0586		mg/Kg-dry	1	7/9/2021 10:03:05 PM
o-Xylene	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Styrene	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Isopropylbenzene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Bromoform	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,1,2,2-Tetrachloroethane	ND	0.0176		mg/Kg-dry	1	7/9/2021 10:03:05 PM
n-Propylbenzene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Bromobenzene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,3,5-Trimethylbenzene	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
2-Chlorotoluene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
4-Chlorotoluene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
tert-Butylbenzene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,2,3-Trichloropropane	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,2,4-Trichlorobenzene	ND	0.0469		mg/Kg-dry	1	7/9/2021 10:03:05 PM
sec-Butylbenzene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
4-Isopropyltoluene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,3-Dichlorobenzene	ND	0.0410		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,4-Dichlorobenzene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
n-Butylbenzene	ND	0.0469		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,2-Dichlorobenzene	ND	0.0352		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,2-Dibromo-3-chloropropane	ND	0.0703		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,2,4-Trimethylbenzene	ND	0.0293		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Hexachloro-1,3-butadiene	ND	0.0586		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Naphthalene	ND	0.117		mg/Kg-dry	1	7/9/2021 10:03:05 PM
1,2,3-Trichlorobenzene	ND	0.0586		mg/Kg-dry	1	7/9/2021 10:03:05 PM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/9/2021 10:03:05 PM
Surr: Toluene-d8	102	80 - 120		%Rec	1	7/9/2021 10:03:05 PM



Client: Aspect Consulting

Collection Date: 7/8/2021 1:45:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-004

Matrix: Soil

Client Sample ID: T8-S14-E24-160

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

Batch ID: 32942 Analyst: KT

Surr: 1-Bromo-4-fluorobenzene	93.5	80 - 120		%Rec	1	7/9/2021 10:03:05 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68438 Analyst: OK

Percent Moisture	8.96	0.500		wt%	1	7/9/2021 8:05:50 AM
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Client: Aspect Consulting

Collection Date: 7/8/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-005

Matrix: Soil

Client Sample ID: T8-TB-09

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

Batch ID: 32942

Analyst: KT

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	7/9/2021 3:27:14 PM
Chloromethane	ND	0.0800		mg/Kg	1	7/9/2021 3:27:14 PM
Vinyl chloride	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
Bromomethane	ND	0.150		mg/Kg	1	7/9/2021 3:27:14 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	7/9/2021 3:27:14 PM
Chloroethane	ND	0.120		mg/Kg	1	7/9/2021 3:27:14 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/9/2021 3:27:14 PM
Acetone	ND	0.500		mg/Kg	1	7/9/2021 3:27:14 PM
Methylene chloride	ND	0.0150		mg/Kg	1	7/9/2021 3:27:14 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	7/9/2021 3:27:14 PM
Chloroform	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	7/9/2021 3:27:14 PM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	7/9/2021 3:27:14 PM
Benzene	ND	0.0200		mg/Kg	1	7/9/2021 3:27:14 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/9/2021 3:27:14 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	7/9/2021 3:27:14 PM
Bromodichloromethane	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
Dibromomethane	ND	0.0200		mg/Kg	1	7/9/2021 3:27:14 PM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	7/9/2021 3:27:14 PM
Toluene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	7/9/2021 3:27:14 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	7/9/2021 3:27:14 PM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	7/9/2021 3:27:14 PM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	7/9/2021 3:27:14 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/9/2021 3:27:14 PM
Dibromochloromethane	ND	0.0200		mg/Kg	1	7/9/2021 3:27:14 PM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	7/9/2021 3:27:14 PM
2-Hexanone (MBK)	ND	0.0600		mg/Kg	1	7/9/2021 3:27:14 PM
Chlorobenzene	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	7/9/2021 3:27:14 PM
Ethylbenzene	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
m,p-Xylene	ND	0.0500		mg/Kg	1	7/9/2021 3:27:14 PM
o-Xylene	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM



Client: Aspect Consulting

Collection Date: 7/8/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107121-005

Matrix: Soil

Client Sample ID: T8-TB-09

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

Batch ID: 32942

Analyst: KT

Styrene	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
Isopropylbenzene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
Bromoform	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	7/9/2021 3:27:14 PM
n-Propylbenzene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
Bromobenzene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	7/9/2021 3:27:14 PM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	7/9/2021 3:27:14 PM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
n-Butylbenzene	ND	0.0400		mg/Kg	1	7/9/2021 3:27:14 PM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/9/2021 3:27:14 PM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	7/9/2021 3:27:14 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/9/2021 3:27:14 PM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	7/9/2021 3:27:14 PM
Naphthalene	ND	0.100		mg/Kg	1	7/9/2021 3:27:14 PM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	7/9/2021 3:27:14 PM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	7/9/2021 3:27:14 PM
Surr: Toluene-d8	100	80 - 120		%Rec	1	7/9/2021 3:27:14 PM
Surr: 1-Bromo-4-fluorobenzene	92.7	80 - 120		%Rec	1	7/9/2021 3:27:14 PM

Work Order: 2107121
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32940	SampType: MBLK	Units: mg/Kg				Prep Date: 7/9/2021	RunNo: 68462				
Client ID: MBLKS	Batch ID: 32940					Analysis Date: 7/9/2021	SeqNo: 1383333				
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	8.95		10.00		89.5	50	150				
Surr: o-Terphenyl	9.47		10.00		94.7	50	150				

Sample ID: LCS-32940	SampType: LCS	Units: mg/Kg				Prep Date: 7/9/2021	RunNo: 68462				
Client ID: LCSS	Batch ID: 32940					Analysis Date: 7/9/2021	SeqNo: 1383335				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	530	150	500.0	0	106	75.7	116				
Surr: 2-Fluorobiphenyl	6.96		10.00		69.6	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Sample ID: 2107121-003AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/9/2021	RunNo: 68462				
Client ID: T8-S20-E20-155	Batch ID: 32940					Analysis Date: 7/9/2021	SeqNo: 1383342				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	488	144	481.6	0	101	59.6	134				
Surr: 2-Fluorobiphenyl	8.46		9.633		87.8	50	150				
Surr: o-Terphenyl	10.4		9.633		108	50	150				

Sample ID: 2107121-003AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/9/2021	RunNo: 68462				
Client ID: T8-S20-E20-155	Batch ID: 32940					Analysis Date: 7/9/2021	SeqNo: 1383344				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	591	163	543.8	0	109	59.6	134	487.8	19.2	30	
Surr: 2-Fluorobiphenyl	11.1		10.88		102	50	150		0		
Surr: o-Terphenyl	13.4		10.88		123	50	150		0		



Work Order: 2107121
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2107121-003AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68462							
Client ID: T8-S20-E20-155	Batch ID: 32940	Analysis Date: 7/9/2021	SeqNo: 1383344								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2107121
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: MB-32942	SampType: MBLK	Units: mg/Kg	Prep Date: 7/9/2021	RunNo: 68463							
Client ID: MBLKS	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383466							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.28		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.16		1.250		92.6	65	135				

Sample ID: 2107002-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68463							
Client ID: BATCH	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383471							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.51						0		30	
Surr: Toluene-d8	1.68		1.629		103	65	135		0		
Surr: 4-Bromofluorobenzene	1.52		1.629		93.6	65	135		0		

Sample ID: 2107002-012BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68463							
Client ID: BATCH	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383473							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	24.4	5.07	25.34	0	96.4	65	135				
Surr: Toluene-d8	1.27		1.267		100	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.267		102	65	135				

Sample ID: 2107096-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68463							
Client ID: BATCH	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383483							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	17.3	8.24						19.90	14.0	30	
Surr: Toluene-d8	2.06		2.061		99.8	65	135		0		
Surr: 4-Bromofluorobenzene	2.13		2.061		103	65	135		0		

Work Order: 2107121
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32942	SampType: LCS	Units: µg/L	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: LCSS	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383522							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.00	0.0500	1.000	0	100	80	120				
Chloromethane	1.07	0.0800	1.000	0	107	80	120				
Vinyl chloride	1.09	0.0250	1.000	0	109	80	120				
Bromomethane	1.69	0.150	1.000	0	169	80	120				S
Trichlorofluoromethane (CFC-11)	1.03	0.0500	1.000	0	103	80	120				
Chloroethane	1.18	0.120	1.000	0	118	80	120				
1,1-Dichloroethene	1.02	0.100	1.000	0	102	80	120				
Acetone	2.71	0.500	2.500	0	108	80	120				
Methylene chloride	1.03	0.0150	1.000	0	103	80	120				
trans-1,2-Dichloroethene	0.995	0.0300	1.000	0	99.5	80	120				
Methyl tert-butyl ether (MTBE)	1.05	0.0300	1.000	0	105	80	120				
1,1-Dichloroethane	1.03	0.0250	1.000	0	103	80	120				
cis-1,2-Dichloroethene	0.994	0.0250	1.000	0	99.4	80	120				
(MEK) 2-Butanone	2.64	0.450	2.500	0	106	80	120				
Chloroform	1.01	0.0250	1.000	0	101	80	120				
1,1,1-Trichloroethane (TCA)	1.01	0.0250	1.000	0	101	80	120				
1,1-Dichloropropene	1.01	0.0250	1.000	0	101	80	120				
Carbon tetrachloride	0.988	0.0750	1.000	0	98.8	80	120				
1,2-Dichloroethane (EDC)	1.06	0.0230	1.000	0	106	80	120				
Benzene	1.01	0.0200	1.000	0	101	80	120				
Trichloroethene (TCE)	1.04	0.0200	1.000	0	104	80	120				
1,2-Dichloropropane	1.04	0.0200	1.000	0	104	80	120				
Bromodichloromethane	1.01	0.0250	1.000	0	101	80	120				
Dibromomethane	1.06	0.0200	1.000	0	106	80	120				
cis-1,3-Dichloropropene	0.996	0.0800	1.000	0	99.6	80	120				
Toluene	1.00	0.0300	1.000	0	100	80	120				
Trans-1,3-Dichloropropylene	0.971	0.0500	1.000	0	97.1	80	120				
Methyl Isobutyl Ketone (MIBK)	2.62	0.0750	2.500	0	105	80	120				
1,1,2-Trichloroethane	1.05	0.0170	1.000	0	105	80	120				
1,3-Dichloropropane	1.04	0.0200	1.000	0	104	80	120				

Work Order: 2107121
CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32942	SampType: LCS	Units: µg/L	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: LCSS	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383522							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	0.967	0.0400	1.000	0	96.7	80	120				
Dibromochloromethane	0.975	0.0200	1.000	0	97.5	80	120				
1,2-Dibromoethane (EDB)	1.03	0.0100	1.000	0	103	80	120				
2-Hexanone (MBK)	2.51	0.0600	2.500	0	101	80	120				
Chlorobenzene	0.986	0.0250	1.000	0	98.6	80	120				
1,1,1,2-Tetrachloroethane	0.982	0.0200	1.000	0	98.2	80	120				
Ethylbenzene	0.990	0.0250	1.000	0	99.0	80	120				
m,p-Xylene	2.00	0.0500	2.000	0	99.8	80	120				
o-Xylene	0.970	0.0250	1.000	0	97.0	80	120				
Styrene	1.01	0.0250	1.000	0	101	80	120				
Isopropylbenzene	0.972	0.0300	1.000	0	97.2	80	120				
Bromoform	0.936	0.0250	1.000	0	93.6	80	120				
1,1,2,2-Tetrachloroethane	0.995	0.0150	1.000	0	99.5	80	120				
n-Propylbenzene	1.00	0.0300	1.000	0	100	80	120				
Bromobenzene	0.980	0.0300	1.000	0	98.0	80	120				
1,3,5-Trimethylbenzene	0.991	0.0250	1.000	0	99.1	80	120				
2-Chlorotoluene	0.994	0.0300	1.000	0	99.4	80	120				
4-Chlorotoluene	1.00	0.0300	1.000	0	100	80	120				
tert-Butylbenzene	0.973	0.0300	1.000	0	97.3	80	120				
1,2,3-Trichloropropane	1.05	0.0250	1.000	0	105	80	120				
1,2,4-Trichlorobenzene	0.989	0.0400	1.000	0	98.9	80	120				
sec-Butylbenzene	0.985	0.0300	1.000	0	98.5	80	120				
4-Isopropyltoluene	0.989	0.0300	1.000	0	98.9	80	120				
1,3-Dichlorobenzene	0.969	0.0350	1.000	0	96.9	80	120				
1,4-Dichlorobenzene	0.990	0.0300	1.000	0	99.0	80	120				
n-Butylbenzene	0.943	0.0400	1.000	0	94.3	80	120				
1,2-Dichlorobenzene	0.997	0.0300	1.000	0	99.7	80	120				
1,2-Dibromo-3-chloropropane	0.969	0.0600	1.000	0	96.9	80	120				
1,2,4-Trimethylbenzene	1.01	0.0250	1.000	0	101	80	120				
Hexachloro-1,3-butadiene	0.890	0.0500	1.000	0	89.0	80	120				

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CLIENT: Aspect Consulting
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32942	SampType: LCS	Units: µg/L	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: LCSS	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383522							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.09	0.100	1.000	0	109	80	120				
1,2,3-Trichlorobenzene	1.13	0.0500	1.000	0	113	80	120				
Surr: Dibromofluoromethane	1.33		1.250		107	80	120				
Surr: Toluene-d8	1.32		1.250		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	80	120				

NOTES:

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

Sample ID: MB-32942	SampType: MBLK	Units: mg/Kg	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: MBLKS	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383501							
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: 2107121
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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32942	SampType: MBLK	Units: mg/Kg	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: MBLKS	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383501							
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									

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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32942	SampType: MBLK	Units: mg/Kg	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: MBLKS	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383501							
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	1.28		1.250		102	80	120				
Surr: Toluene-d8	1.27		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.14		1.250		90.9	80	120				

Sample ID: 2107002-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: BATCH	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383504							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0651						0		30	
Chloromethane	ND	0.104						0		30	
Vinyl chloride	ND	0.0326						0		30	
Bromomethane	ND	0.195						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0651						0		30	
Chloroethane	ND	0.156						0		30	
1,1-Dichloroethene	ND	0.130						0		30	
Acetone	ND	0.651						0		30	
Methylene chloride	ND	0.0195						0		30	

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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107002-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: BATCH	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383504							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0391						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0391						0		30	
1,1-Dichloroethane	ND	0.0326						0		30	
cis-1,2-Dichloroethene	ND	0.0326						0		30	
(MEK) 2-Butanone	ND	0.586						0		30	
Chloroform	ND	0.0326						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0326						0		30	
1,1-Dichloropropene	ND	0.0326						0		30	
Carbon tetrachloride	ND	0.0977						0		30	
1,2-Dichloroethane (EDC)	ND	0.0300						0		30	
Benzene	ND	0.0261						0		30	
Trichloroethene (TCE)	ND	0.0261						0		30	
1,2-Dichloropropane	ND	0.0261						0		30	
Bromodichloromethane	ND	0.0326						0		30	
Dibromomethane	ND	0.0261						0		30	
cis-1,3-Dichloropropene	ND	0.104						0		30	
Toluene	ND	0.0391						0		30	
Trans-1,3-Dichloropropylene	ND	0.0651						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0977						0		30	
1,1,2-Trichloroethane	ND	0.0221						0		30	
1,3-Dichloropropane	ND	0.0261						0		30	
Tetrachloroethene (PCE)	ND	0.0521						0		30	
Dibromochloromethane	ND	0.0261						0		30	
1,2-Dibromoethane (EDB)	ND	0.0130						0		30	
2-Hexanone (MBK)	ND	0.0782						0		30	
Chlorobenzene	ND	0.0326						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0261						0		30	
Ethylbenzene	ND	0.0326						0		30	
m,p-Xylene	ND	0.0651						0		30	
o-Xylene	ND	0.0326						0		30	

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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107002-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: BATCH	Batch ID: 32942	Analysis Date: 7/9/2021	SeqNo: 1383504								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	ND	0.0326						0		30	
Isopropylbenzene	ND	0.0391						0		30	
Bromoform	ND	0.0326						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0195						0		30	
n-Propylbenzene	ND	0.0391						0		30	
Bromobenzene	ND	0.0391						0		30	
1,3,5-Trimethylbenzene	ND	0.0326						0		30	
2-Chlorotoluene	ND	0.0391						0		30	
4-Chlorotoluene	ND	0.0391						0		30	
tert-Butylbenzene	ND	0.0391						0		30	
1,2,3-Trichloropropane	ND	0.0326						0		30	
1,2,4-Trichlorobenzene	ND	0.0521						0		30	
sec-Butylbenzene	ND	0.0391						0		30	
4-Isopropyltoluene	ND	0.0391						0		30	
1,3-Dichlorobenzene	ND	0.0456						0		30	
1,4-Dichlorobenzene	ND	0.0391						0		30	
n-Butylbenzene	ND	0.0521						0		30	
1,2-Dichlorobenzene	ND	0.0391						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0782						0		30	
1,2,4-Trimethylbenzene	ND	0.0326						0		30	
Hexachloro-1,3-butadiene	ND	0.0651						0		30	
Naphthalene	ND	0.130						0		30	
1,2,3-Trichlorobenzene	ND	0.0651						0		30	
Surr: Dibromofluoromethane	1.67		1.629		103	80	120		0		
Surr: Toluene-d8	1.68		1.629		103	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.50		1.629		91.9	80	120		0		

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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107096-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: BATCH	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383511							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0824						0		30	
Chloromethane	ND	0.132						0		30	
Vinyl chloride	ND	0.0412						0		30	
Bromomethane	ND	0.247						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0824						0		30	
Chloroethane	ND	0.198						0		30	
1,1-Dichloroethene	ND	0.165						0		30	
Acetone	ND	0.824						0		30	
Methylene chloride	ND	0.0247						0		30	
trans-1,2-Dichloroethene	ND	0.0495						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0495						0		30	
1,1-Dichloroethane	ND	0.0412						0		30	
cis-1,2-Dichloroethene	ND	0.0412						0		30	
(MEK) 2-Butanone	ND	0.742						0		30	
Chloroform	ND	0.0412						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0412						0		30	
1,1-Dichloropropene	ND	0.0412						0		30	
Carbon tetrachloride	ND	0.124						0		30	
1,2-Dichloroethane (EDC)	ND	0.0379						0		30	
Benzene	ND	0.0330						0		30	
Trichloroethene (TCE)	ND	0.0330						0		30	
1,2-Dichloropropane	ND	0.0330						0		30	
Bromodichloromethane	ND	0.0412						0		30	
Dibromomethane	ND	0.0330						0		30	
cis-1,3-Dichloropropene	ND	0.132						0		30	
Toluene	0.198	0.0495						0.1900	4.01	30	
Trans-1,3-Dichloropropylene	ND	0.0824						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.124						0		30	
1,1,2-Trichloroethane	ND	0.0280						0		30	
1,3-Dichloropropane	ND	0.0330						0		30	

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QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107096-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: BATCH	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383511							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	ND	0.0660						0		30	
Dibromochloromethane	ND	0.0330						0		30	
1,2-Dibromoethane (EDB)	ND	0.0165						0		30	
2-Hexanone (MBK)	ND	0.0989						0		30	
Chlorobenzene	ND	0.0412						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0330						0		30	
Ethylbenzene	0.0496	0.0412						0.04661	6.31	30	
m,p-Xylene	0.205	0.0824						0.1967	3.98	30	
o-Xylene	0.130	0.0412						0.1277	1.67	30	
Styrene	ND	0.0412						0		30	
Isopropylbenzene	ND	0.0495						0		30	
Bromoform	ND	0.0412						0		30	
1,1,1,2,2-Tetrachloroethane	ND	0.0247						0		30	
n-Propylbenzene	ND	0.0495						0		30	
Bromobenzene	ND	0.0495						0		30	
1,3,5-Trimethylbenzene	0.0448	0.0412						0.04228	5.76	30	
2-Chlorotoluene	ND	0.0495						0		30	
4-Chlorotoluene	ND	0.0495						0		30	
tert-Butylbenzene	ND	0.0495						0		30	
1,2,3-Trichloropropane	ND	0.0412						0		30	
1,2,4-Trichlorobenzene	ND	0.0660						0		30	
sec-Butylbenzene	ND	0.0495						0		30	
4-Isopropyltoluene	ND	0.0495						0		30	
1,3-Dichlorobenzene	ND	0.0577						0		30	
1,4-Dichlorobenzene	ND	0.0495						0		30	
n-Butylbenzene	ND	0.0660						0		30	
1,2-Dichlorobenzene	ND	0.0495						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0989						0		30	
1,2,4-Trimethylbenzene	0.144	0.0412						0.1396	2.94	30	
Hexachloro-1,3-butadiene	ND	0.0824						0		30	

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Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107096-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: BATCH	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383511							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.10	0.165						1.001	9.01	30	
1,2,3-Trichlorobenzene	ND	0.0824						0		30	
Surr: Dibromofluoromethane	2.12		2.061		103	80	120		0		
Surr: Toluene-d8	2.12		2.061		103	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	2.09		2.061		101	80	120		0		

Sample ID: 2107121-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: T8-S22-E19-155	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383517							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.716	0.0576	1.152	0	62.1	5	173				
Chloromethane	0.937	0.0922	1.152	0	81.3	39.5	138				
Vinyl chloride	1.02	0.0288	1.152	0	88.2	41.9	145				
Bromomethane	1.61	0.173	1.152	0	140	63.4	160				
Trichlorofluoromethane (CFC-11)	1.12	0.0576	1.152	0	96.8	32.4	158				
Chloroethane	1.17	0.138	1.152	0	101	40.1	160				
1,1-Dichloroethene	1.13	0.115	1.152	0	98.2	62.1	135				
Acetone	3.31	0.576	2.881	0	115	45.8	168				
Methylene chloride	1.19	0.0173	1.152	0	103	65.6	137				
trans-1,2-Dichloroethene	1.17	0.0346	1.152	0	101	65.4	137				
Methyl tert-butyl ether (MTBE)	1.22	0.0346	1.152	0	106	48.1	157				
1,1-Dichloroethane	1.22	0.0288	1.152	0	106	61.9	142				
cis-1,2-Dichloroethene	1.18	0.0288	1.152	0	102	81.9	124				
(MEK) 2-Butanone	3.04	0.519	2.881	0	105	56	144				
Chloroform	1.22	0.0288	1.152	0	106	79.3	127				
1,1,1-Trichloroethane (TCA)	1.22	0.0288	1.152	0	105	80	121				
1,1-Dichloropropene	1.19	0.0288	1.152	0	103	76.4	127				
Carbon tetrachloride	1.18	0.0864	1.152	0	103	68.6	130				
1,2-Dichloroethane (EDC)	1.26	0.0265	1.152	0	109	70.1	137				
Benzene	1.21	0.0230	1.152	0	105	80	123				

Work Order: 2107121
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107121-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: T8-S22-E19-155	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383517							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	1.26	0.0230	1.152	0	109	79	130				
1,2-Dichloropropane	1.24	0.0230	1.152	0	107	80	121				
Bromodichloromethane	1.22	0.0288	1.152	0	106	72.8	124				
Dibromomethane	1.22	0.0230	1.152	0	106	77.2	122				
cis-1,3-Dichloropropene	1.20	0.0922	1.152	0	104	75.1	121				
Toluene	1.22	0.0346	1.152	0	106	80	125				
Trans-1,3-Dichloropropylene	1.20	0.0576	1.152	0	104	73.9	122				
Methyl Isobutyl Ketone (MIBK)	3.17	0.0864	2.881	0	110	47.1	154				
1,1,2-Trichloroethane	1.23	0.0196	1.152	0	107	76.2	123				
1,3-Dichloropropane	1.23	0.0230	1.152	0	107	67.2	131				
Tetrachloroethene (PCE)	1.20	0.0461	1.152	0.02154	103	77.2	128				
Dibromochloromethane	1.16	0.0230	1.152	0	100	63.3	129				
1,2-Dibromoethane (EDB)	1.22	0.0115	1.152	0	106	75.1	124				
2-Hexanone (MBK)	3.07	0.0691	2.881	0	107	40.5	170				
Chlorobenzene	1.19	0.0288	1.152	0	104	80	120				
1,1,1,2-Tetrachloroethane	1.18	0.0230	1.152	0	103	80	120				
Ethylbenzene	1.21	0.0288	1.152	0	105	80	133				
m,p-Xylene	2.42	0.0576	2.305	0	105	80	129				
o-Xylene	1.18	0.0288	1.152	0	103	73.4	131				
Styrene	1.24	0.0288	1.152	0	107	77.4	125				
Isopropylbenzene	1.20	0.0346	1.152	0	104	76.7	132				
Bromoform	1.11	0.0288	1.152	0	96.6	69.7	127				
1,1,1,2,2-Tetrachloroethane	1.16	0.0173	1.152	0	101	62.8	132				
n-Propylbenzene	1.23	0.0346	1.152	0	107	77.2	134				
Bromobenzene	1.18	0.0346	1.152	0	103	77.2	125				
1,3,5-Trimethylbenzene	1.22	0.0288	1.152	0	106	79.8	125				
2-Chlorotoluene	1.22	0.0346	1.152	0	106	78.3	127				
4-Chlorotoluene	1.23	0.0346	1.152	0	107	79.9	123				
tert-Butylbenzene	1.21	0.0346	1.152	0	105	74.7	132				
1,2,3-Trichloropropane	1.17	0.0288	1.152	0	102	65.9	128				

Work Order: 2107121
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107121-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/9/2021	RunNo: 68464							
Client ID: T8-S22-E19-155	Batch ID: 32942		Analysis Date: 7/9/2021	SeqNo: 1383517							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	1.21	0.0461	1.152	0	105	78.5	129				
sec-Butylbenzene	1.21	0.0346	1.152	0	105	73.8	135				
4-Isopropyltoluene	1.21	0.0346	1.152	0	105	73.9	134				
1,3-Dichlorobenzene	1.18	0.0403	1.152	0	102	80	123				
1,4-Dichlorobenzene	1.19	0.0346	1.152	0	103	80	122				
n-Butylbenzene	1.14	0.0461	1.152	0	99.2	80	130				
1,2-Dichlorobenzene	1.20	0.0346	1.152	0	104	80	120				
1,2-Dibromo-3-chloropropane	1.17	0.0691	1.152	0	102	66.1	131				
1,2,4-Trimethylbenzene	1.23	0.0288	1.152	0	106	80	124				
Hexachloro-1,3-butadiene	1.10	0.0576	1.152	0	95.4	70.9	135				
Naphthalene	1.28	0.115	1.152	0	111	53.8	164				
1,2,3-Trichlorobenzene	1.34	0.0576	1.152	0	116	75.8	131				
Surr: Dibromofluoromethane	1.52		1.441		106	80	120				
Surr: Toluene-d8	1.53		1.441		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.48		1.441		103	80	120				

Client Name: **AC**

 Work Order Number: **2107121**

 Logged by: **Clare Griggs**

 Date Received: **7/8/2021 3:14:00 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	1.2

* 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: 7/8/21 Page: 1 of 1

Laboratory Project No (internal): 2107121

Project Name: 180587

Special Remarks:

Project No: Skanska - The Sixth Redevelopment

Collected by: Barker Call

Location:

Report To (PM): Alr Gehrman, Amelia Oates

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

PM Email: acachmore@aspectconsulting.com acachmore@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analysis										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)**
1 TB-S24-E21-158	7/8/21	1230	S	3	X	X	X	X	X	X	X	X	X	X	X	
2 TB-S22-E19-155		1245	S	1	X	X	X	X	X	X	X	X	X	X	X	
3 TB-S20-E20-155		1305	S	1	X	X	X	X	X	X	X	X	X	X	X	
4 TB-S14-E24-160		1345	S	1	X	X	X	X	X	X	X	X	X	X	X	
5 TB-TB-09		1200	S	1	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): 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>	Barker Call	7/8/21 1430	<i>[Signature]</i>	Gabriele Coelli	7/8/21 14:34
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
<i>[Signature]</i>	Gabriele Coelli	7/8/21 1434	<i>[Signature]</i>	Dave Koon	7/8/21 1514



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Skanska The Eight Redevelopment

Work Order Number: 2107165

July 14, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 6 sample(s) on 7/12/2021 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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2107165

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107165-001	T8-TB-10		07/12/2021 4:25 PM
2107165-002	T8-E25-E15-167	07/12/2021 2:10 PM	07/12/2021 4:25 PM
2107165-003	T8-E24-E15-167	07/12/2021 2:20 PM	07/12/2021 4:25 PM
2107165-004	T8-E25-E16-167	07/12/2021 2:25 PM	07/12/2021 4:25 PM
2107165-005	T8-S03-E15-167	07/12/2021 2:30 PM	07/12/2021 4:25 PM
2107165-006	T8-E25-E13-167	07/12/2021 2:35 PM	07/12/2021 4:25 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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:

Project: Skanska The Eight Redevelopment

Lab ID: 2107165-001

Matrix: Soil

Client Sample ID: T8-TB-10

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

Batch ID: 32975

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0500		mg/Kg	1	7/13/2021 12:41:15 PM
Chloromethane	ND	0.0800		mg/Kg	1	7/13/2021 12:41:15 PM
Vinyl chloride	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
Bromomethane	ND	0.150		mg/Kg	1	7/13/2021 12:41:15 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	7/13/2021 12:41:15 PM
Chloroethane	ND	0.120		mg/Kg	1	7/13/2021 12:41:15 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/13/2021 12:41:15 PM
Acetone	ND	0.500		mg/Kg	1	7/13/2021 12:41:15 PM
Methylene chloride	ND	0.0150		mg/Kg	1	7/13/2021 12:41:15 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
Methyl tert-butyl ether (MTBE)	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
(MEK) 2-Butanone	ND	0.450		mg/Kg	1	7/13/2021 12:41:15 PM
Chloroform	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
1,1,1-Trichloroethane (TCA)	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
Carbon tetrachloride	ND	0.0750		mg/Kg	1	7/13/2021 12:41:15 PM
1,2-Dichloroethane (EDC)	ND	0.0230		mg/Kg	1	7/13/2021 12:41:15 PM
Benzene	ND	0.0200		mg/Kg	1	7/13/2021 12:41:15 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/13/2021 12:41:15 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	7/13/2021 12:41:15 PM
Bromodichloromethane	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
Dibromomethane	ND	0.0200		mg/Kg	1	7/13/2021 12:41:15 PM
cis-1,3-Dichloropropene	ND	0.0800		mg/Kg	1	7/13/2021 12:41:15 PM
Toluene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
Trans-1,3-Dichloropropylene	ND	0.0500		mg/Kg	1	7/13/2021 12:41:15 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0750		mg/Kg	1	7/13/2021 12:41:15 PM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg	1	7/13/2021 12:41:15 PM
1,3-Dichloropropane	ND	0.0200		mg/Kg	1	7/13/2021 12:41:15 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/13/2021 12:41:15 PM
Dibromochloromethane	ND	0.0200		mg/Kg	1	7/13/2021 12:41:15 PM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg	1	7/13/2021 12:41:15 PM
2-Hexanone (MBK)	ND	0.0600		mg/Kg	1	7/13/2021 12:41:15 PM
Chlorobenzene	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	7/13/2021 12:41:15 PM
Ethylbenzene	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
m,p-Xylene	ND	0.0500		mg/Kg	1	7/13/2021 12:41:15 PM
o-Xylene	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM



Client: Aspect Consulting

Collection Date:

Project: Skanska The Eight Redevelopment

Lab ID: 2107165-001

Matrix: Soil

Client Sample ID: T8-TB-10

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

Batch ID: 32975

Analyst: CR

Styrene	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
Isopropylbenzene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
Bromoform	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg	1	7/13/2021 12:41:15 PM
n-Propylbenzene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
Bromobenzene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
2-Chlorotoluene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
4-Chlorotoluene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
tert-Butylbenzene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
1,2,4-Trichlorobenzene	ND	0.0400		mg/Kg	1	7/13/2021 12:41:15 PM
sec-Butylbenzene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
4-Isopropyltoluene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
1,3-Dichlorobenzene	ND	0.0350		mg/Kg	1	7/13/2021 12:41:15 PM
1,4-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
n-Butylbenzene	ND	0.0400		mg/Kg	1	7/13/2021 12:41:15 PM
1,2-Dichlorobenzene	ND	0.0300		mg/Kg	1	7/13/2021 12:41:15 PM
1,2-Dibromo-3-chloropropane	ND	0.0600		mg/Kg	1	7/13/2021 12:41:15 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg	1	7/13/2021 12:41:15 PM
Hexachloro-1,3-butadiene	ND	0.0500		mg/Kg	1	7/13/2021 12:41:15 PM
Naphthalene	ND	0.100		mg/Kg	1	7/13/2021 12:41:15 PM
1,2,3-Trichlorobenzene	ND	0.0500		mg/Kg	1	7/13/2021 12:41:15 PM
Surr: Dibromofluoromethane	96.9	80 - 120		%Rec	1	7/13/2021 12:41:15 PM
Surr: Toluene-d8	99.5	80 - 120		%Rec	1	7/13/2021 12:41:15 PM
Surr: 1-Bromo-4-fluorobenzene	94.3	80 - 120		%Rec	1	7/13/2021 12:41:15 PM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107165-002
Client Sample ID: T8-E25-E15-167

Collection Date: 7/12/2021 2:10:00 PM
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: 32978 Analyst: MM

Diesel (Fuel Oil)	ND	46.8		mg/Kg-dry	1	7/13/2021 3:26:25 PM
Heavy Oil	ND	93.5		mg/Kg-dry	1	7/13/2021 3:26:25 PM
Total Petroleum Hydrocarbons	ND	140		mg/Kg-dry	1	7/13/2021 3:26:25 PM
Surr: 2-Fluorobiphenyl	88.2	50 - 150		%Rec	1	7/13/2021 3:26:25 PM
Surr: o-Terphenyl	104	50 - 150		%Rec	1	7/13/2021 3:26:25 PM

Gasoline by NWTPH-Gx

Batch ID: 32975 Analyst: CR

Gasoline	ND	5.69		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Surr: Toluene-d8	98.9	65 - 135		%Rec	1	7/13/2021 1:11:43 PM
Surr: 4-Bromofluorobenzene	96.7	65 - 135		%Rec	1	7/13/2021 1:11:43 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32975 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0569		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Chloromethane	ND	0.0910		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Vinyl chloride	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Bromomethane	ND	0.171		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Trichlorofluoromethane (CFC-11)	ND	0.0569		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Chloroethane	ND	0.136		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,1-Dichloroethene	ND	0.114		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Acetone	ND	0.569		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Methylene chloride	ND	0.0171		mg/Kg-dry	1	7/13/2021 1:11:43 PM
trans-1,2-Dichloroethene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Methyl tert-butyl ether (MTBE)	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,1-Dichloroethane	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
cis-1,2-Dichloroethene	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
(MEK) 2-Butanone	ND	0.512		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Chloroform	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,1,1-Trichloroethane (TCA)	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,1-Dichloropropene	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Carbon tetrachloride	ND	0.0853		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,2-Dichloroethane (EDC)	ND	0.0262		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Benzene	ND	0.0227		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Trichloroethene (TCE)	ND	0.0227		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,2-Dichloropropane	ND	0.0227		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Bromodichloromethane	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Dibromomethane	ND	0.0227		mg/Kg-dry	1	7/13/2021 1:11:43 PM
cis-1,3-Dichloropropene	ND	0.0910		mg/Kg-dry	1	7/13/2021 1:11:43 PM



Client: Aspect Consulting

Collection Date: 7/12/2021 2:10:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107165-002

Matrix: Soil

Client Sample ID: T8-E25-E15-167

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

Batch ID: 32975

Analyst: CR

Toluene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Trans-1,3-Dichloropropylene	ND	0.0569		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0853		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,1,2-Trichloroethane	ND	0.0193		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,3-Dichloropropane	ND	0.0227		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Tetrachloroethene (PCE)	ND	0.0455		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Dibromochloromethane	ND	0.0227		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,2-Dibromoethane (EDB)	ND	0.0114		mg/Kg-dry	1	7/13/2021 1:11:43 PM
2-Hexanone (MBK)	ND	0.0682		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Chlorobenzene	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,1,1,2-Tetrachloroethane	ND	0.0227		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Ethylbenzene	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
m,p-Xylene	ND	0.0569		mg/Kg-dry	1	7/13/2021 1:11:43 PM
o-Xylene	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Styrene	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Isopropylbenzene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Bromoform	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,1,2,2-Tetrachloroethane	ND	0.0171		mg/Kg-dry	1	7/13/2021 1:11:43 PM
n-Propylbenzene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Bromobenzene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,3,5-Trimethylbenzene	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
2-Chlorotoluene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
4-Chlorotoluene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
tert-Butylbenzene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,2,3-Trichloropropane	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,2,4-Trichlorobenzene	ND	0.0455		mg/Kg-dry	1	7/13/2021 1:11:43 PM
sec-Butylbenzene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
4-Isopropyltoluene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,3-Dichlorobenzene	ND	0.0398		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,4-Dichlorobenzene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
n-Butylbenzene	ND	0.0455		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,2-Dichlorobenzene	ND	0.0341		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,2-Dibromo-3-chloropropane	ND	0.0682		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,2,4-Trimethylbenzene	ND	0.0284		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Hexachloro-1,3-butadiene	ND	0.0569		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Naphthalene	ND	0.114		mg/Kg-dry	1	7/13/2021 1:11:43 PM
1,2,3-Trichlorobenzene	ND	0.0569		mg/Kg-dry	1	7/13/2021 1:11:43 PM
Surr: Dibromofluoromethane	98.5	80 - 120		%Rec	1	7/13/2021 1:11:43 PM
Surr: Toluene-d8	98.1	80 - 120		%Rec	1	7/13/2021 1:11:43 PM



Client: Aspect Consulting

Collection Date: 7/12/2021 2:10:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107165-002

Matrix: Soil

Client Sample ID: T8-E25-E15-167

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

Batch ID: 32975 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	95.0	80 - 120		%Rec	1	7/13/2021 1:11:43 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68499 Analyst: cb

Percent Moisture	8.44	0.500		wt%	1	7/13/2021 9:36:03 AM
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Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107165-003
Client Sample ID: T8-E24-E15-167

Collection Date: 7/12/2021 2:20:00 PM
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: 32978 Analyst: MM

Diesel (Fuel Oil)	ND	48.1		mg/Kg-dry	1	7/13/2021 3:52:04 PM
Heavy Oil	ND	96.2		mg/Kg-dry	1	7/13/2021 3:52:04 PM
Total Petroleum Hydrocarbons	ND	144		mg/Kg-dry	1	7/13/2021 3:52:04 PM
Surr: 2-Fluorobiphenyl	96.0	50 - 150		%Rec	1	7/13/2021 3:52:04 PM
Surr: o-Terphenyl	109	50 - 150		%Rec	1	7/13/2021 3:52:04 PM

Gasoline by NWTPH-Gx

Batch ID: 32975 Analyst: CR

Gasoline	ND	6.09		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Surr: Toluene-d8	99.4	65 - 135		%Rec	1	7/13/2021 2:12:39 PM
Surr: 4-Bromofluorobenzene	95.3	65 - 135		%Rec	1	7/13/2021 2:12:39 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32975 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0609		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Chloromethane	ND	0.0974		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Vinyl chloride	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Bromomethane	ND	0.183		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Trichlorofluoromethane (CFC-11)	ND	0.0609		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Chloroethane	ND	0.146		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,1-Dichloroethene	ND	0.122		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Acetone	ND	0.609		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Methylene chloride	ND	0.0183		mg/Kg-dry	1	7/13/2021 2:12:39 PM
trans-1,2-Dichloroethene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Methyl tert-butyl ether (MTBE)	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,1-Dichloroethane	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
cis-1,2-Dichloroethene	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
(MEK) 2-Butanone	ND	0.548		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Chloroform	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,1,1-Trichloroethane (TCA)	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,1-Dichloropropene	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Carbon tetrachloride	ND	0.0913		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,2-Dichloroethane (EDC)	ND	0.0280		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Benzene	ND	0.0243		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Trichloroethene (TCE)	ND	0.0243		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,2-Dichloropropane	ND	0.0243		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Bromodichloromethane	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Dibromomethane	ND	0.0243		mg/Kg-dry	1	7/13/2021 2:12:39 PM
cis-1,3-Dichloropropene	ND	0.0974		mg/Kg-dry	1	7/13/2021 2:12:39 PM



Analytical Report

Work Order: 2107165
Date Reported: 7/14/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107165-003
Client Sample ID: T8-E24-E15-167

Collection Date: 7/12/2021 2:20:00 PM
Matrix: Soil

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

Batch ID: 32975 Analyst: CR

Toluene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Trans-1,3-Dichloropropylene	ND	0.0609		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0913		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,1,2-Trichloroethane	ND	0.0207		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,3-Dichloropropane	ND	0.0243		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Tetrachloroethene (PCE)	ND	0.0487		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Dibromochloromethane	ND	0.0243		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,2-Dibromoethane (EDB)	ND	0.0122		mg/Kg-dry	1	7/13/2021 2:12:39 PM
2-Hexanone (MBK)	ND	0.0730		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Chlorobenzene	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,1,1,2-Tetrachloroethane	ND	0.0243		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Ethylbenzene	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
m,p-Xylene	ND	0.0609		mg/Kg-dry	1	7/13/2021 2:12:39 PM
o-Xylene	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Styrene	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Isopropylbenzene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Bromoform	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,1,2,2-Tetrachloroethane	ND	0.0183		mg/Kg-dry	1	7/13/2021 2:12:39 PM
n-Propylbenzene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Bromobenzene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,3,5-Trimethylbenzene	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
2-Chlorotoluene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
4-Chlorotoluene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
tert-Butylbenzene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,2,3-Trichloropropane	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,2,4-Trichlorobenzene	ND	0.0487		mg/Kg-dry	1	7/13/2021 2:12:39 PM
sec-Butylbenzene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
4-Isopropyltoluene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,3-Dichlorobenzene	ND	0.0426		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,4-Dichlorobenzene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
n-Butylbenzene	ND	0.0487		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,2-Dichlorobenzene	ND	0.0365		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,2-Dibromo-3-chloropropane	ND	0.0730		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,2,4-Trimethylbenzene	ND	0.0304		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Hexachloro-1,3-butadiene	ND	0.0609		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Naphthalene	ND	0.122		mg/Kg-dry	1	7/13/2021 2:12:39 PM
1,2,3-Trichlorobenzene	ND	0.0609		mg/Kg-dry	1	7/13/2021 2:12:39 PM
Surr: Dibromofluoromethane	99.0	80 - 120		%Rec	1	7/13/2021 2:12:39 PM
Surr: Toluene-d8	98.4	80 - 120		%Rec	1	7/13/2021 2:12:39 PM



Client: Aspect Consulting

Collection Date: 7/12/2021 2:20:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107165-003

Matrix: Soil

Client Sample ID: T8-E24-E15-167

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

Batch ID: 32975 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	93.6	80 - 120		%Rec	1	7/13/2021 2:12:39 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68499 Analyst: cb

Percent Moisture	8.41	0.500		wt%	1	7/13/2021 9:36:03 AM
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Client: Aspect Consulting

Collection Date: 7/12/2021 2:25:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107165-004

Matrix: Soil

Client Sample ID: T8-E25-E16-167

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

Batch ID: 32978

Analyst: MM

Diesel (Fuel Oil)	ND	47.2		mg/Kg-dry	1	7/13/2021 4:40:03 PM
Heavy Oil	ND	94.3		mg/Kg-dry	1	7/13/2021 4:40:03 PM
Total Petroleum Hydrocarbons	ND	141		mg/Kg-dry	1	7/13/2021 4:40:03 PM
Surr: 2-Fluorobiphenyl	71.2	50 - 150		%Rec	1	7/13/2021 4:40:03 PM
Surr: o-Terphenyl	83.6	50 - 150		%Rec	1	7/13/2021 4:40:03 PM

Gasoline by NWTPH-Gx

Batch ID: 32975

Analyst: CR

Gasoline	ND	4.88		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Surr: Toluene-d8	99.6	65 - 135		%Rec	1	7/13/2021 2:43:17 PM
Surr: 4-Bromofluorobenzene	94.4	65 - 135		%Rec	1	7/13/2021 2:43:17 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32975

Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0488		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Chloromethane	ND	0.0781		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Vinyl chloride	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Bromomethane	ND	0.146		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Trichlorofluoromethane (CFC-11)	ND	0.0488		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Chloroethane	ND	0.117		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,1-Dichloroethene	ND	0.0976		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Acetone	ND	0.488		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Methylene chloride	ND	0.0146		mg/Kg-dry	1	7/13/2021 2:43:17 PM
trans-1,2-Dichloroethene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Methyl tert-butyl ether (MTBE)	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,1-Dichloroethane	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
cis-1,2-Dichloroethene	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
(MEK) 2-Butanone	ND	0.439		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Chloroform	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,1,1-Trichloroethane (TCA)	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,1-Dichloropropene	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Carbon tetrachloride	ND	0.0732		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,2-Dichloroethane (EDC)	ND	0.0224		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Benzene	ND	0.0195		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Trichloroethene (TCE)	ND	0.0195		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,2-Dichloropropane	ND	0.0195		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Bromodichloromethane	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Dibromomethane	ND	0.0195		mg/Kg-dry	1	7/13/2021 2:43:17 PM
cis-1,3-Dichloropropene	ND	0.0781		mg/Kg-dry	1	7/13/2021 2:43:17 PM



Analytical Report

Work Order: 2107165
Date Reported: 7/14/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107165-004
Client Sample ID: T8-E25-E16-167

Collection Date: 7/12/2021 2:25:00 PM
Matrix: Soil

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

Batch ID: 32975 Analyst: CR

Toluene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Trans-1,3-Dichloropropylene	ND	0.0488		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0732		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,1,2-Trichloroethane	ND	0.0166		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,3-Dichloropropane	ND	0.0195		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Tetrachloroethene (PCE)	ND	0.0390		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Dibromochloromethane	ND	0.0195		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,2-Dibromoethane (EDB)	ND	0.00976		mg/Kg-dry	1	7/13/2021 2:43:17 PM
2-Hexanone (MBK)	ND	0.0585		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Chlorobenzene	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,1,1,2-Tetrachloroethane	ND	0.0195		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Ethylbenzene	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
m,p-Xylene	ND	0.0488		mg/Kg-dry	1	7/13/2021 2:43:17 PM
o-Xylene	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Styrene	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Isopropylbenzene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Bromoform	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,1,2,2-Tetrachloroethane	ND	0.0146		mg/Kg-dry	1	7/13/2021 2:43:17 PM
n-Propylbenzene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Bromobenzene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,3,5-Trimethylbenzene	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
2-Chlorotoluene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
4-Chlorotoluene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
tert-Butylbenzene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,2,3-Trichloropropane	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,2,4-Trichlorobenzene	ND	0.0390		mg/Kg-dry	1	7/13/2021 2:43:17 PM
sec-Butylbenzene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
4-Isopropyltoluene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,3-Dichlorobenzene	ND	0.0341		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,4-Dichlorobenzene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
n-Butylbenzene	ND	0.0390		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,2-Dichlorobenzene	ND	0.0293		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,2-Dibromo-3-chloropropane	ND	0.0585		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,2,4-Trimethylbenzene	ND	0.0244		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Hexachloro-1,3-butadiene	ND	0.0488		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Naphthalene	ND	0.0976		mg/Kg-dry	1	7/13/2021 2:43:17 PM
1,2,3-Trichlorobenzene	ND	0.0488		mg/Kg-dry	1	7/13/2021 2:43:17 PM
Surr: Dibromofluoromethane	99.6	80 - 120		%Rec	1	7/13/2021 2:43:17 PM
Surr: Toluene-d8	99.2	80 - 120		%Rec	1	7/13/2021 2:43:17 PM



Client: Aspect Consulting

Collection Date: 7/12/2021 2:25:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107165-004

Matrix: Soil

Client Sample ID: T8-E25-E16-167

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

Batch ID: 32975 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	92.7	80 - 120		%Rec	1	7/13/2021 2:43:17 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68499 Analyst: cb

Percent Moisture	7.90	0.500		wt%	1	7/13/2021 9:36:03 AM
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Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107165-005
Client Sample ID: T8-S03-E15-167

Collection Date: 7/12/2021 2:30:00 PM
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: 32978 Analyst: MM

Diesel (Fuel Oil)	ND	50.7		mg/Kg-dry	1	7/13/2021 5:18:28 PM
Heavy Oil	ND	101		mg/Kg-dry	1	7/13/2021 5:18:28 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	7/13/2021 5:18:28 PM
Surr: 2-Fluorobiphenyl	76.1	50 - 150		%Rec	1	7/13/2021 5:18:28 PM
Surr: o-Terphenyl	86.9	50 - 150		%Rec	1	7/13/2021 5:18:28 PM

Gasoline by NWTPH-Gx

Batch ID: 32975 Analyst: CR

Gasoline	ND	5.10		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Surr: Toluene-d8	99.3	65 - 135		%Rec	1	7/13/2021 3:13:52 PM
Surr: 4-Bromofluorobenzene	95.2	65 - 135		%Rec	1	7/13/2021 3:13:52 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32975 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0510		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Chloromethane	ND	0.0816		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Vinyl chloride	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Bromomethane	ND	0.153		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Trichlorofluoromethane (CFC-11)	ND	0.0510		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Chloroethane	ND	0.122		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,1-Dichloroethene	ND	0.102		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Acetone	ND	0.510		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Methylene chloride	ND	0.0153		mg/Kg-dry	1	7/13/2021 3:13:52 PM
trans-1,2-Dichloroethene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Methyl tert-butyl ether (MTBE)	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,1-Dichloroethane	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
cis-1,2-Dichloroethene	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
(MEK) 2-Butanone	ND	0.459		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Chloroform	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,1,1-Trichloroethane (TCA)	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,1-Dichloropropene	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Carbon tetrachloride	ND	0.0765		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,2-Dichloroethane (EDC)	ND	0.0235		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Benzene	ND	0.0204		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Trichloroethene (TCE)	ND	0.0204		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,2-Dichloropropane	ND	0.0204		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Bromodichloromethane	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Dibromomethane	ND	0.0204		mg/Kg-dry	1	7/13/2021 3:13:52 PM
cis-1,3-Dichloropropene	ND	0.0816		mg/Kg-dry	1	7/13/2021 3:13:52 PM



Analytical Report

Work Order: 2107165
Date Reported: 7/14/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107165-005
Client Sample ID: T8-S03-E15-167

Collection Date: 7/12/2021 2:30:00 PM
Matrix: Soil

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

Batch ID: 32975 Analyst: CR

Toluene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Trans-1,3-Dichloropropylene	ND	0.0510		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0765		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,1,2-Trichloroethane	ND	0.0173		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,3-Dichloropropane	ND	0.0204		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Tetrachloroethene (PCE)	ND	0.0408		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Dibromochloromethane	ND	0.0204		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,2-Dibromoethane (EDB)	ND	0.0102		mg/Kg-dry	1	7/13/2021 3:13:52 PM
2-Hexanone (MBK)	ND	0.0612		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Chlorobenzene	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,1,1,2-Tetrachloroethane	ND	0.0204		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Ethylbenzene	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
m,p-Xylene	ND	0.0510		mg/Kg-dry	1	7/13/2021 3:13:52 PM
o-Xylene	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Styrene	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Isopropylbenzene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Bromoform	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,1,2,2-Tetrachloroethane	ND	0.0153		mg/Kg-dry	1	7/13/2021 3:13:52 PM
n-Propylbenzene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Bromobenzene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,3,5-Trimethylbenzene	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
2-Chlorotoluene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
4-Chlorotoluene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
tert-Butylbenzene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,2,3-Trichloropropane	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,2,4-Trichlorobenzene	ND	0.0408		mg/Kg-dry	1	7/13/2021 3:13:52 PM
sec-Butylbenzene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
4-Isopropyltoluene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,3-Dichlorobenzene	ND	0.0357		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,4-Dichlorobenzene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
n-Butylbenzene	ND	0.0408		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,2-Dichlorobenzene	ND	0.0306		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,2-Dibromo-3-chloropropane	ND	0.0612		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,2,4-Trimethylbenzene	ND	0.0255		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Hexachloro-1,3-butadiene	ND	0.0510		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Naphthalene	ND	0.102		mg/Kg-dry	1	7/13/2021 3:13:52 PM
1,2,3-Trichlorobenzene	ND	0.0510		mg/Kg-dry	1	7/13/2021 3:13:52 PM
Surr: Dibromofluoromethane	99.9	80 - 120		%Rec	1	7/13/2021 3:13:52 PM
Surr: Toluene-d8	98.0	80 - 120		%Rec	1	7/13/2021 3:13:52 PM



Client: Aspect Consulting

Collection Date: 7/12/2021 2:30:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107165-005

Matrix: Soil

Client Sample ID: T8-S03-E15-167

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

Batch ID: 32975 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	93.4	80 - 120		%Rec	1	7/13/2021 3:13:52 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68499 Analyst: cb

Percent Moisture	8.85	0.500		wt%	1	7/13/2021 9:36:03 AM
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Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107165-006
Client Sample ID: T8-E25-E13-167

Collection Date: 7/12/2021 2:35:00 PM

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: 32978 Analyst: MM

Diesel (Fuel Oil)	ND	47.5		mg/Kg-dry	1	7/13/2021 5:31:28 PM
Heavy Oil	ND	94.9		mg/Kg-dry	1	7/13/2021 5:31:28 PM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	7/13/2021 5:31:28 PM
Surr: 2-Fluorobiphenyl	67.1	50 - 150		%Rec	1	7/13/2021 5:31:28 PM
Surr: o-Terphenyl	82.4	50 - 150		%Rec	1	7/13/2021 5:31:28 PM

Gasoline by NWTPH-Gx

Batch ID: 32975 Analyst: CR

Gasoline	ND	6.19		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Surr: Toluene-d8	99.1	65 - 135		%Rec	1	7/13/2021 3:44:31 PM
Surr: 4-Bromofluorobenzene	95.6	65 - 135		%Rec	1	7/13/2021 3:44:31 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32975 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.0619		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Chloromethane	ND	0.0991		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Vinyl chloride	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Bromomethane	ND	0.186		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Trichlorofluoromethane (CFC-11)	ND	0.0619		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Chloroethane	ND	0.149		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,1-Dichloroethene	ND	0.124		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Acetone	ND	0.619		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Methylene chloride	ND	0.0186		mg/Kg-dry	1	7/13/2021 3:44:31 PM
trans-1,2-Dichloroethene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Methyl tert-butyl ether (MTBE)	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,1-Dichloroethane	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
cis-1,2-Dichloroethene	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
(MEK) 2-Butanone	ND	0.557		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Chloroform	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,1,1-Trichloroethane (TCA)	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,1-Dichloropropene	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Carbon tetrachloride	ND	0.0929		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,2-Dichloroethane (EDC)	ND	0.0285		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Benzene	ND	0.0248		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Trichloroethene (TCE)	ND	0.0248		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,2-Dichloropropane	ND	0.0248		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Bromodichloromethane	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Dibromomethane	ND	0.0248		mg/Kg-dry	1	7/13/2021 3:44:31 PM
cis-1,3-Dichloropropene	ND	0.0991		mg/Kg-dry	1	7/13/2021 3:44:31 PM



Analytical Report

Work Order: 2107165
Date Reported: 7/14/2021

Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107165-006
Client Sample ID: T8-E25-E13-167

Collection Date: 7/12/2021 2:35:00 PM
Matrix: Soil

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

Batch ID: 32975 Analyst: CR

Toluene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Trans-1,3-Dichloropropylene	ND	0.0619		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0929		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,1,2-Trichloroethane	ND	0.0210		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,3-Dichloropropane	ND	0.0248		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Tetrachloroethene (PCE)	ND	0.0495		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Dibromochloromethane	ND	0.0248		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,2-Dibromoethane (EDB)	ND	0.0124		mg/Kg-dry	1	7/13/2021 3:44:31 PM
2-Hexanone (MBK)	ND	0.0743		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Chlorobenzene	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,1,1,2-Tetrachloroethane	ND	0.0248		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Ethylbenzene	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
m,p-Xylene	ND	0.0619		mg/Kg-dry	1	7/13/2021 3:44:31 PM
o-Xylene	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Styrene	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Isopropylbenzene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Bromoform	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,1,2,2-Tetrachloroethane	ND	0.0186		mg/Kg-dry	1	7/13/2021 3:44:31 PM
n-Propylbenzene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Bromobenzene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,3,5-Trimethylbenzene	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
2-Chlorotoluene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
4-Chlorotoluene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
tert-Butylbenzene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,2,3-Trichloropropane	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,2,4-Trichlorobenzene	ND	0.0495		mg/Kg-dry	1	7/13/2021 3:44:31 PM
sec-Butylbenzene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
4-Isopropyltoluene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,3-Dichlorobenzene	ND	0.0433		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,4-Dichlorobenzene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
n-Butylbenzene	ND	0.0495		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,2-Dichlorobenzene	ND	0.0371		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,2-Dibromo-3-chloropropane	ND	0.0743		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,2,4-Trimethylbenzene	ND	0.0310		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Hexachloro-1,3-butadiene	ND	0.0619		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Naphthalene	ND	0.124		mg/Kg-dry	1	7/13/2021 3:44:31 PM
1,2,3-Trichlorobenzene	ND	0.0619		mg/Kg-dry	1	7/13/2021 3:44:31 PM
Surr: Dibromofluoromethane	99.7	80 - 120		%Rec	1	7/13/2021 3:44:31 PM
Surr: Toluene-d8	97.7	80 - 120		%Rec	1	7/13/2021 3:44:31 PM



Client: Aspect Consulting

Collection Date: 7/12/2021 2:35:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107165-006

Matrix: Soil

Client Sample ID: T8-E25-E13-167

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

Batch ID: 32975 Analyst: CR

Surr: 1-Bromo-4-fluorobenzene	93.9	80 - 120		%Rec	1	7/13/2021 3:44:31 PM
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Sample Moisture (Percent Moisture)

Batch ID: R68499 Analyst: cb

Percent Moisture	10.4	0.500		wt%	1	7/13/2021 9:36:03 AM
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Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32978	SampType: MBLK	Units: mg/Kg				Prep Date: 7/13/2021	RunNo: 68541				
Client ID: MBLKS	Batch ID: 32978					Analysis Date: 7/13/2021	SeqNo: 1385157				
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	10.2		10.00		103	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: LCS-32978	SampType: LCS	Units: mg/Kg				Prep Date: 7/13/2021	RunNo: 68541				
Client ID: LCSS	Batch ID: 32978					Analysis Date: 7/13/2021	SeqNo: 1385158				
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	75.7	116				
Surr: 2-Fluorobiphenyl	10.4		10.00		104	50	150				
Surr: o-Terphenyl	13.6		10.00		136	50	150				

Sample ID: 2107165-004AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/13/2021	RunNo: 68541				
Client ID: T8-E25-E16-167	Batch ID: 32978					Analysis Date: 7/13/2021	SeqNo: 1385162				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	520	155	518.0	0	100	59.6	134				
Surr: 2-Fluorobiphenyl	9.01		10.36		87.0	50	150				
Surr: o-Terphenyl	11.4		10.36		110	50	150				

Sample ID: 2107165-004AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/13/2021	RunNo: 68541				
Client ID: T8-E25-E16-167	Batch ID: 32978					Analysis Date: 7/13/2021	SeqNo: 1385163				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	468	147	489.5	0	95.6	59.6	134	520.2	10.6	30	
Surr: 2-Fluorobiphenyl	8.03		9.790		82.0	50	150		0		
Surr: o-Terphenyl	10.3		9.790		106	50	150		0		

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2107165-004AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68541							
Client ID: T8-E25-E16-167	Batch ID: 32978		Analysis Date: 7/13/2021	SeqNo: 1385163							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32975	SampType: LCS	Units: mg/Kg			Prep Date: 7/13/2021	RunNo: 68545					
Client ID: LCSS	Batch ID: 32975				Analysis Date: 7/13/2021	SeqNo: 1385224					
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	1.22		1.250		97.9	65	135				
Surr: 4-Bromofluorobenzene	1.23		1.250		98.7	65	135				

Sample ID: MB-32975	SampType: MBLK	Units: mg/Kg			Prep Date: 7/13/2021	RunNo: 68545					
Client ID: MBLKS	Batch ID: 32975				Analysis Date: 7/13/2021	SeqNo: 1385225					
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		100	65	135				
Surr: 4-Bromofluorobenzene	1.16		1.250		93.1	65	135				

Sample ID: 2107165-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/13/2021	RunNo: 68545					
Client ID: T8-E25-E15-167	Batch ID: 32975				Analysis Date: 7/13/2021	SeqNo: 1385227					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.69						0		30	
Surr: Toluene-d8	1.41		1.422		99.5	65	135		0		
Surr: 4-Bromofluorobenzene	1.36		1.422		95.7	65	135		0		

Sample ID: 2107099-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/13/2021	RunNo: 68545					
Client ID: BATCH	Batch ID: 32975				Analysis Date: 7/14/2021	SeqNo: 1385245					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	47.7						0		30	D
Surr: Toluene-d8	11.5		11.93		96.2	65	135		0		D
Surr: 4-Bromofluorobenzene	11.4		11.93		95.8	65	135		0		D

NOTES:

Diluted due to matrix.

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2107099-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68545							
Client ID: BATCH	Batch ID: 32975	Analysis Date: 7/14/2021	SeqNo: 1385246								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	4,300	51.1	25.56	1,819	9,690	65	135				DS
Surr: Toluene-d8	12.4		12.78		97.3	65	135				D
Surr: 4-Bromofluorobenzene	12.3		12.78		96.0	65	135				D

NOTES:

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

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32975	SampType: LCS	Units: mg/Kg				Prep Date: 7/13/2021	RunNo: 68544				
Client ID: LCSS	Batch ID: 32975					Analysis Date: 7/13/2021	SeqNo: 1385201				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.10	0.0500	1.000	0	110	80	120				
Chloromethane	1.05	0.0800	1.000	0	105	80	120				
Vinyl chloride	1.03	0.0250	1.000	0	103	80	120				
Bromomethane	1.33	0.150	1.000	0	133	80	120				S
Trichlorofluoromethane (CFC-11)	1.02	0.0500	1.000	0	102	80	120				
Chloroethane	1.20	0.120	1.000	0	120	80	120				
1,1-Dichloroethene	0.985	0.100	1.000	0	98.5	80	120				
Acetone	2.13	0.500	2.500	0	85.3	80	120				
Methylene chloride	0.949	0.0150	1.000	0	94.9	80	120				
trans-1,2-Dichloroethene	0.966	0.0300	1.000	0	96.6	80	120				
Methyl tert-butyl ether (MTBE)	0.961	0.0300	1.000	0	96.1	80	120				
1,1-Dichloroethane	0.951	0.0250	1.000	0	95.1	80	120				
cis-1,2-Dichloroethene	0.973	0.0250	1.000	0	97.3	80	120				
(MEK) 2-Butanone	2.31	0.450	2.500	0	92.5	80	120				
Chloroform	0.974	0.0250	1.000	0	97.4	80	120				
1,1,1-Trichloroethane (TCA)	0.995	0.0250	1.000	0	99.5	80	120				
1,1-Dichloropropene	0.997	0.0250	1.000	0	99.7	80	120				
Carbon tetrachloride	1.00	0.0750	1.000	0	100	80	120				
1,2-Dichloroethane (EDC)	0.971	0.0230	1.000	0	97.1	80	120				
Benzene	0.964	0.0200	1.000	0	96.4	80	120				
Trichloroethene (TCE)	0.994	0.0200	1.000	0	99.4	80	120				
1,2-Dichloropropane	0.968	0.0200	1.000	0	96.8	80	120				
Bromodichloromethane	0.980	0.0250	1.000	0	98.0	80	120				
Dibromomethane	0.982	0.0200	1.000	0	98.2	80	120				
cis-1,3-Dichloropropene	1.01	0.0800	1.000	0	101	80	120				
Toluene	0.966	0.0300	1.000	0	96.6	80	120				
Trans-1,3-Dichloropropylene	0.986	0.0500	1.000	0	98.6	80	120				
Methyl Isobutyl Ketone (MIBK)	2.40	0.0750	2.500	0	96.0	80	120				
1,1,2-Trichloroethane	0.963	0.0170	1.000	0	96.3	80	120				
1,3-Dichloropropane	0.959	0.0200	1.000	0	95.9	80	120				

Work Order: 2107165
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32975	SampType: LCS	Units: mg/Kg	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: LCSS	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385201							
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				
Dibromochloromethane	0.950	0.0200	1.000	0	95.0	80	120				
1,2-Dibromoethane (EDB)	0.974	0.0100	1.000	0	97.4	80	120				
2-Hexanone (MBK)	2.23	0.0600	2.500	0	89.3	80	120				
Chlorobenzene	1.00	0.0250	1.000	0	100	80	120				
1,1,1,2-Tetrachloroethane	0.999	0.0200	1.000	0	99.9	80	120				
Ethylbenzene	1.01	0.0250	1.000	0	101	80	120				
m,p-Xylene	2.01	0.0500	2.000	0	100	80	120				
o-Xylene	0.993	0.0250	1.000	0	99.3	80	120				
Styrene	1.01	0.0250	1.000	0	101	80	120				
Isopropylbenzene	1.00	0.0300	1.000	0	100	80	120				
Bromoform	0.948	0.0250	1.000	0	94.8	80	120				
1,1,2,2-Tetrachloroethane	0.927	0.0150	1.000	0	92.7	80	120				
n-Propylbenzene	1.01	0.0300	1.000	0	101	80	120				
Bromobenzene	1.00	0.0300	1.000	0	100	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	1.01	0.0300	1.000	0	101	80	120				
tert-Butylbenzene	1.02	0.0300	1.000	0	102	80	120				
1,2,3-Trichloropropane	0.968	0.0250	1.000	0	96.8	80	120				
1,2,4-Trichlorobenzene	1.12	0.0400	1.000	0	112	80	120				
sec-Butylbenzene	1.01	0.0300	1.000	0	101	80	120				
4-Isopropyltoluene	1.01	0.0300	1.000	0	101	80	120				
1,3-Dichlorobenzene	1.01	0.0350	1.000	0	101	80	120				
1,4-Dichlorobenzene	1.02	0.0300	1.000	0	102	80	120				
n-Butylbenzene	0.987	0.0400	1.000	0	98.7	80	120				
1,2-Dichlorobenzene	1.01	0.0300	1.000	0	101	80	120				
1,2-Dibromo-3-chloropropane	0.944	0.0600	1.000	0	94.4	80	120				
1,2,4-Trimethylbenzene	1.01	0.0250	1.000	0	101	80	120				
Hexachloro-1,3-butadiene	0.979	0.0500	1.000	0	97.9	80	120				

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-32975	SampType: LCS	Units: mg/Kg	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: LCSS	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385201							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.18	0.100	1.000	0	118	80	120				
1,2,3-Trichlorobenzene	1.20	0.0500	1.000	0	120	80	120				
Surr: Dibromofluoromethane	1.24		1.250		99.5	80	120				
Surr: Toluene-d8	1.24		1.250		99.2	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		99.7	80	120				

NOTES:

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

Sample ID: MB-32975	SampType: MBLK	Units: mg/Kg	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: MBLKS	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385202							
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: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32975	SampType: MBLK	Units: mg/Kg	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: MBLKS	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385202							
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: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-32975	SampType: MBLK	Units: mg/Kg	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: MBLKS	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385202							
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	1.21		1.250		97.1	80	120				
Surr: Toluene-d8	1.23		1.250		98.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.14		1.250		91.4	80	120				

Sample ID: 2107165-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: T8-E25-E15-167	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385205							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0569						0		30	
Chloromethane	ND	0.0910						0		30	
Vinyl chloride	ND	0.0284						0		30	
Bromomethane	ND	0.171						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0569						0		30	
Chloroethane	ND	0.136						0		30	
1,1-Dichloroethene	ND	0.114						0		30	
Acetone	ND	0.569						0		30	
Methylene chloride	ND	0.0171						0		30	

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107165-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: T8-E25-E15-167	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385205							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0341						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0341						0		30	
1,1-Dichloroethane	ND	0.0284						0		30	
cis-1,2-Dichloroethene	ND	0.0284						0		30	
(MEK) 2-Butanone	ND	0.512						0		30	
Chloroform	ND	0.0284						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0284						0		30	
1,1-Dichloropropene	ND	0.0284						0		30	
Carbon tetrachloride	ND	0.0853						0		30	
1,2-Dichloroethane (EDC)	ND	0.0262						0		30	
Benzene	ND	0.0227						0		30	
Trichloroethene (TCE)	ND	0.0227						0		30	
1,2-Dichloropropane	ND	0.0227						0		30	
Bromodichloromethane	ND	0.0284						0		30	
Dibromomethane	ND	0.0227						0		30	
cis-1,3-Dichloropropene	ND	0.0910						0		30	
Toluene	ND	0.0341						0		30	
Trans-1,3-Dichloropropylene	ND	0.0569						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0853						0		30	
1,1,2-Trichloroethane	ND	0.0193						0		30	
1,3-Dichloropropane	ND	0.0227						0		30	
Tetrachloroethene (PCE)	ND	0.0455						0		30	
Dibromochloromethane	ND	0.0227						0		30	
1,2-Dibromoethane (EDB)	ND	0.0114						0		30	
2-Hexanone (MBK)	ND	0.0682						0		30	
Chlorobenzene	ND	0.0284						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0227						0		30	
Ethylbenzene	ND	0.0284						0		30	
m,p-Xylene	ND	0.0569						0		30	
o-Xylene	ND	0.0284						0		30	

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107165-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: T8-E25-E15-167	Batch ID: 32975	Analysis Date: 7/13/2021	SeqNo: 1385205								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	ND	0.0284						0		30	
Isopropylbenzene	ND	0.0341						0		30	
Bromoform	ND	0.0284						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0171						0		30	
n-Propylbenzene	ND	0.0341						0		30	
Bromobenzene	ND	0.0341						0		30	
1,3,5-Trimethylbenzene	ND	0.0284						0		30	
2-Chlorotoluene	ND	0.0341						0		30	
4-Chlorotoluene	ND	0.0341						0		30	
tert-Butylbenzene	ND	0.0341						0		30	
1,2,3-Trichloropropane	ND	0.0284						0		30	
1,2,4-Trichlorobenzene	ND	0.0455						0		30	
sec-Butylbenzene	ND	0.0341						0		30	
4-Isopropyltoluene	ND	0.0341						0		30	
1,3-Dichlorobenzene	ND	0.0398						0		30	
1,4-Dichlorobenzene	ND	0.0341						0		30	
n-Butylbenzene	ND	0.0455						0		30	
1,2-Dichlorobenzene	ND	0.0341						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0682						0		30	
1,2,4-Trimethylbenzene	ND	0.0284						0		30	
Hexachloro-1,3-butadiene	ND	0.0569						0		30	
Naphthalene	ND	0.114						0		30	
1,2,3-Trichlorobenzene	ND	0.0569						0		30	
Surr: Dibromofluoromethane	1.40		1.422		98.4	80	120		0		
Surr: Toluene-d8	1.41		1.422		99.2	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.34		1.422		93.9	80	120		0		

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107165-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: T8-E24-E15-167	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385210							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	1.62	0.0609	1.217	0	133	5	173				
Chloromethane	1.18	0.0974	1.217	0	97.2	39.5	138				
Vinyl chloride	1.41	0.0304	1.217	0	116	41.9	145				
Bromomethane	1.54	0.183	1.217	0	126	63.4	160				
Trichlorofluoromethane (CFC-11)	1.36	0.0609	1.217	0	112	32.4	158				
Chloroethane	1.13	0.146	1.217	0	92.8	40.1	160				
1,1-Dichloroethene	1.33	0.122	1.217	0	110	62.1	135				
Acetone	3.66	0.609	3.043	0	120	45.8	168				
Methylene chloride	1.27	0.0183	1.217	0	105	65.6	137				
trans-1,2-Dichloroethene	1.28	0.0365	1.217	0	105	65.4	137				
Methyl tert-butyl ether (MTBE)	1.37	0.0365	1.217	0	113	48.1	157				
1,1-Dichloroethane	1.28	0.0304	1.217	0	105	61.9	142				
cis-1,2-Dichloroethene	1.28	0.0304	1.217	0	105	81.9	124				
(MEK) 2-Butanone	3.60	0.548	3.043	0	118	56	144				
Chloroform	1.29	0.0304	1.217	0	106	79.3	127				
1,1,1-Trichloroethane (TCA)	1.32	0.0304	1.217	0	108	80	121				
1,1-Dichloropropene	1.30	0.0304	1.217	0	107	76.4	127				
Carbon tetrachloride	1.33	0.0913	1.217	0	110	68.6	130				
1,2-Dichloroethane (EDC)	1.34	0.0280	1.217	0	110	70.1	137				
Benzene	1.29	0.0243	1.217	0	106	80	123				
Trichloroethene (TCE)	1.32	0.0243	1.217	0	109	79	130				
1,2-Dichloropropane	1.28	0.0243	1.217	0	105	80	121				
Bromodichloromethane	1.29	0.0304	1.217	0	106	72.8	124				
Dibromomethane	1.33	0.0243	1.217	0	110	77.2	122				
cis-1,3-Dichloropropene	1.24	0.0974	1.217	0	102	75.1	121				
Toluene	1.30	0.0365	1.217	0	106	80	125				
Trans-1,3-Dichloropropylene	1.30	0.0609	1.217	0	107	73.9	122				
Methyl Isobutyl Ketone (MIBK)	3.38	0.0913	3.043	0	111	47.1	154				
1,1,2-Trichloroethane	1.36	0.0207	1.217	0	111	76.2	123				
1,3-Dichloropropane	1.32	0.0243	1.217	0	109	67.2	131				

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107165-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: T8-E24-E15-167	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385210							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.32	0.0487	1.217	0	108	77.2	128				
Dibromochloromethane	1.32	0.0243	1.217	0	108	63.3	129				
1,2-Dibromoethane (EDB)	1.35	0.0122	1.217	0	111	75.1	124				
2-Hexanone (MBK)	3.44	0.0730	3.043	0	113	40.5	170				
Chlorobenzene	1.30	0.0304	1.217	0	107	80	120				
1,1,1,2-Tetrachloroethane	1.30	0.0243	1.217	0	107	80	120				
Ethylbenzene	1.30	0.0304	1.217	0	107	80	133				
m,p-Xylene	2.62	0.0609	2.435	0	107	80	129				
o-Xylene	1.27	0.0304	1.217	0	104	73.4	131				
Styrene	1.32	0.0304	1.217	0	108	77.4	125				
Isopropylbenzene	1.30	0.0365	1.217	0	107	76.7	132				
Bromoform	1.31	0.0304	1.217	0	108	69.7	127				
1,1,1,2,2-Tetrachloroethane	1.35	0.0183	1.217	0	111	62.8	132				
n-Propylbenzene	1.31	0.0365	1.217	0	108	77.2	134				
Bromobenzene	1.30	0.0365	1.217	0	106	77.2	125				
1,3,5-Trimethylbenzene	1.31	0.0304	1.217	0	108	79.8	125				
2-Chlorotoluene	1.29	0.0365	1.217	0	106	78.3	127				
4-Chlorotoluene	1.30	0.0365	1.217	0	107	79.9	123				
tert-Butylbenzene	1.31	0.0365	1.217	0	108	74.7	132				
1,2,3-Trichloropropane	1.35	0.0304	1.217	0	111	65.9	128				
1,2,4-Trichlorobenzene	1.24	0.0487	1.217	0	102	78.5	129				
sec-Butylbenzene	1.32	0.0365	1.217	0	108	73.8	135				
4-Isopropyltoluene	1.33	0.0365	1.217	0	109	73.9	134				
1,3-Dichlorobenzene	1.27	0.0426	1.217	0	104	80	123				
1,4-Dichlorobenzene	1.28	0.0365	1.217	0	105	80	122				
n-Butylbenzene	1.24	0.0487	1.217	0	102	80	130				
1,2-Dichlorobenzene	1.30	0.0365	1.217	0	107	80	120				
1,2-Dibromo-3-chloropropane	1.31	0.0730	1.217	0	107	66.1	131				
1,2,4-Trimethylbenzene	1.32	0.0304	1.217	0	108	80	124				
Hexachloro-1,3-butadiene	1.22	0.0609	1.217	0	100	70.9	135				

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107165-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: T8-E24-E15-167	Batch ID: 32975		Analysis Date: 7/13/2021	SeqNo: 1385210							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.30	0.122	1.217	0	107	53.8	164				
1,2,3-Trichlorobenzene	1.33	0.0609	1.217	0	109	75.8	131				
Surr: Dibromofluoromethane	1.58		1.522		104	80	120				
Surr: Toluene-d8	1.58		1.522		104	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.55		1.522		102	80	120				

Sample ID: 2107099-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: BATCH	Batch ID: 32975		Analysis Date: 7/14/2021	SeqNo: 1385218							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.477						0		30	D
Chloromethane	ND	0.763						0		30	D
Vinyl chloride	ND	0.239						0		30	D
Bromomethane	ND	1.43						0		30	D
Trichlorofluoromethane (CFC-11)	ND	0.477						0		30	D
Chloroethane	ND	1.14						0		30	D
1,1-Dichloroethene	ND	0.954						0		30	D
Acetone	ND	4.77						0		30	D
Methylene chloride	ND	0.143						0		30	D
trans-1,2-Dichloroethene	ND	0.286						0		30	D
Methyl tert-butyl ether (MTBE)	ND	0.286						0		30	D
1,1-Dichloroethane	ND	0.239						0		30	D
cis-1,2-Dichloroethene	ND	0.239						0		30	D
(MEK) 2-Butanone	ND	4.29						0		30	D
Chloroform	ND	0.239						0		30	D
1,1,1-Trichloroethane (TCA)	ND	0.239						0		30	D
1,1-Dichloropropene	ND	0.239						0		30	D
Carbon tetrachloride	ND	0.716						0		30	D
1,2-Dichloroethane (EDC)	ND	0.219						0		30	D
Benzene	ND	0.191						0		30	D

Work Order: 2107165
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107099-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: BATCH	Batch ID: 32975		Analysis Date: 7/14/2021	SeqNo: 1385218							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene (TCE)	ND	0.191						0		30	D
1,2-Dichloropropane	ND	0.191						0		30	D
Bromodichloromethane	ND	0.239						0		30	D
Dibromomethane	ND	0.191						0		30	D
cis-1,3-Dichloropropene	ND	0.763						0		30	D
Toluene	0.651	0.286						0.6508	0.0235	30	D
Trans-1,3-Dichloropropylene	ND	0.477						0		30	D
Methyl Isobutyl Ketone (MIBK)	ND	0.716						0		30	D
1,1,2-Trichloroethane	ND	0.162						0		30	D
1,3-Dichloropropane	ND	0.191						0		30	D
Tetrachloroethene (PCE)	ND	0.382						0		30	D
Dibromochloromethane	ND	0.191						0		30	D
1,2-Dibromoethane (EDB)	ND	0.0954						0		30	D
2-Hexanone (MBK)	ND	0.572						0		30	DQ
Chlorobenzene	ND	0.239						0		30	D
1,1,1,2-Tetrachloroethane	ND	0.191						0		30	D
Ethylbenzene	1.17	0.239						1.193	2.17	30	D
m,p-Xylene	4.61	0.477						4.901	6.21	30	D
o-Xylene	2.24	0.239						2.437	8.33	30	D
Styrene	ND	0.239						0		30	D
Isopropylbenzene	2.35	0.286						2.317	1.37	30	D
Bromoform	ND	0.239						0		30	D
1,1,1,2,2-Tetrachloroethane	ND	0.143						0		30	D
n-Propylbenzene	1.13	0.286						1.013	10.9	30	D
Bromobenzene	ND	0.286						0		30	D
1,3,5-Trimethylbenzene	3.20	0.239						2.968	7.54	30	D
2-Chlorotoluene	ND	0.286						0		30	D
4-Chlorotoluene	ND	0.286						0		30	D
tert-Butylbenzene	0.836	0.286						0.8891	6.22	30	D
1,2,3-Trichloropropane	ND	0.239						0		30	D

Work Order: 2107165
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107099-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/13/2021	RunNo: 68544							
Client ID: BATCH	Batch ID: 32975		Analysis Date: 7/14/2021	SeqNo: 1385218							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	ND	0.382						0		30	D
sec-Butylbenzene	0.938	0.286						1.067	12.9	30	D
4-Isopropyltoluene	1.04	0.286						1.152	10.0	30	D
1,3-Dichlorobenzene	ND	0.334						0		30	D
1,4-Dichlorobenzene	ND	0.286						0		30	D
n-Butylbenzene	ND	0.382						0		30	D
1,2-Dichlorobenzene	ND	0.286						0		30	D
1,2-Dibromo-3-chloropropane	ND	0.572						0		30	D
1,2,4-Trimethylbenzene	10.4	0.239						10.93	5.00	30	D
Hexachloro-1,3-butadiene	ND	0.477						0		30	D
1,2,3-Trichlorobenzene	ND	0.477						0		30	D
Surr: Dibromofluoromethane	11.7		11.93		98.1	80	120		0		D
Surr: Toluene-d8	11.9		11.93		99.4	80	120		0		D
Surr: 1-Bromo-4-fluorobenzene	11.6		11.93		97.0	80	120		0		D

NOTES:

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

Client Name: **AC**

 Work Order Number: **2107165**

 Logged by: **Gabrielle Coeuille**

 Date Received: **7/12/2021 4:25:00 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	2.5

* 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: 7/12/21 Page: 1 of 1
Project Name: 180587
Laboratory Project No (Internal): 2107165

Client: Aspect Consulting
Address: 710 2nd Ave Ste. 576
City, State, zip: Seattle, WA, 98101

Project No: 5 SKANKER THE EIGHT Redundant
Collected by: Becker CAM

Report To (PM): Ali Colmore, Amelia Carter
PM Email: a.colmore@aspectconsulting.com, amelia.carter@aspectconsulting.com

Location:
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 TB-TB-10	7/12/21	1400	A	1	X												
2 TB-E25-E15-167		1410	S	3	X												*PID ~ 10.7 ppm
3 TB-E24-E15-167		1420															
4 TB-E25-E16-167		1425															
5 TB-S03-E15-167		1430															
6 TB-E25-E13-167		1435															
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 Nitrate+Nitrite O-Phosphate Fluoride
 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) *Becker CAM* Print Name *Becker CAM* Date/Time *7/12/21*
 Relinquished (Signature) *[Signature]* Print Name *[Name]* Date/Time *7/12/21*

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.



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: Skanska The Eight Redevelopment
Work Order Number: 2107183**

July 14, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 7/13/2021 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:
Amelia Oates

*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: Skanska The Eight Redevelopment
Work Order: 2107183

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107183-001	T8-S17-E06-150	07/13/2021 11:25 AM	07/13/2021 3:15 PM
2107183-002	T8-S19-E05-150	07/13/2021 11:35 AM	07/13/2021 3:15 PM
2107183-003	T8-S92-E92-150	07/13/2021 12:00 PM	07/13/2021 3:15 PM
2107183-004	T8-S22-E04-155	07/13/2021 12:00 PM	07/13/2021 3:15 PM
2107183-005	T8-S26-E06-152	07/13/2021 12:35 PM	07/13/2021 3:15 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2107183-001

Collection Date: 7/13/2021 11:25:00 AM

Client Sample ID: T8-S17-E06-150

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 32994		Analyst: MM
Diesel (Fuel Oil)	ND	51.0		mg/Kg-dry	1	7/14/2021 12:29:58 PM
Heavy Oil	ND	102		mg/Kg-dry	1	7/14/2021 12:29:58 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	7/14/2021 12:29:58 PM
Surr: 2-Fluorobiphenyl	62.2	50 - 150		%Rec	1	7/14/2021 12:29:58 PM
Surr: o-Terphenyl	74.6	50 - 150		%Rec	1	7/14/2021 12:29:58 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 32986		Analyst: KT
Gasoline	ND	4.59		mg/Kg-dry	1	7/13/2021 8:49:13 PM
Surr: Toluene-d8	98.2	65 - 135		%Rec	1	7/13/2021 8:49:13 PM
Surr: 4-Bromofluorobenzene	89.0	65 - 135		%Rec	1	7/13/2021 8:49:13 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68543		Analyst: cb
Percent Moisture	9.10	0.500		wt%	1	7/14/2021 9:41:35 AM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2107183-002

Collection Date: 7/13/2021 11:35:00 AM

Client Sample ID: T8-S19-E05-150

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 32994		Analyst: MM
Diesel (Fuel Oil)	ND	52.6		mg/Kg-dry	1	7/14/2021 12:42:45 PM
Heavy Oil	ND	105		mg/Kg-dry	1	7/14/2021 12:42:45 PM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	7/14/2021 12:42:45 PM
Surr: 2-Fluorobiphenyl	76.8	50 - 150		%Rec	1	7/14/2021 12:42:45 PM
Surr: o-Terphenyl	88.5	50 - 150		%Rec	1	7/14/2021 12:42:45 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 32986		Analyst: KT
Gasoline	ND	5.80		mg/Kg-dry	1	7/13/2021 9:19:21 PM
Surr: Toluene-d8	97.6	65 - 135		%Rec	1	7/13/2021 9:19:21 PM
Surr: 4-Bromofluorobenzene	87.8	65 - 135		%Rec	1	7/13/2021 9:19:21 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68543		Analyst: cb
Percent Moisture	9.15	0.500		wt%	1	7/14/2021 9:41:35 AM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2107183-003

Collection Date: 7/13/2021 12:00:00 PM

Client Sample ID: T8-S92-E92-150

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: 32994

Analyst: MM

Diesel (Fuel Oil)	ND	48.7		mg/Kg-dry	1	7/14/2021 1:20:55 PM
Heavy Oil	ND	97.4		mg/Kg-dry	1	7/14/2021 1:20:55 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	7/14/2021 1:20:55 PM
Surr: 2-Fluorobiphenyl	66.2	50 - 150		%Rec	1	7/14/2021 1:20:55 PM
Surr: o-Terphenyl	77.0	50 - 150		%Rec	1	7/14/2021 1:20:55 PM

Gasoline by NWTPH-Gx

Batch ID: 32986

Analyst: KT

Gasoline	ND	4.92		mg/Kg-dry	1	7/13/2021 9:49:27 PM
Surr: Toluene-d8	97.7	65 - 135		%Rec	1	7/13/2021 9:49:27 PM
Surr: 4-Bromofluorobenzene	88.9	65 - 135		%Rec	1	7/13/2021 9:49:27 PM

Sample Moisture (Percent Moisture)

Batch ID: R68543

Analyst: cb

Percent Moisture	9.27	0.500		wt%	1	7/14/2021 9:41:35 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2107183-004

Collection Date: 7/13/2021 12:00:00 PM

Client Sample ID: T8-S22-E04-155

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 32994		Analyst: MM
Diesel (Fuel Oil)	ND	52.2		mg/Kg-dry	1	7/14/2021 1:33:36 PM
Heavy Oil	ND	104		mg/Kg-dry	1	7/14/2021 1:33:36 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	7/14/2021 1:33:36 PM
Surr: 2-Fluorobiphenyl	85.8	50 - 150		%Rec	1	7/14/2021 1:33:36 PM
Surr: o-Terphenyl	95.4	50 - 150		%Rec	1	7/14/2021 1:33:36 PM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 32986		Analyst: KT
Gasoline	ND	4.45		mg/Kg-dry	1	7/13/2021 10:19:34 PM
Surr: Toluene-d8	97.6	65 - 135		%Rec	1	7/13/2021 10:19:34 PM
Surr: 4-Bromofluorobenzene	88.0	65 - 135		%Rec	1	7/13/2021 10:19:34 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68543		Analyst: cb
Percent Moisture	8.00	0.500		wt%	1	7/14/2021 9:41:35 AM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2107183-005

Collection Date: 7/13/2021 12:35:00 PM

Client Sample ID: T8-S26-E06-152

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 32994		Analyst: MM
Diesel (Fuel Oil)	ND	46.3		mg/Kg-dry	1	7/14/2021 1:46:31 PM
Heavy Oil	ND	92.5		mg/Kg-dry	1	7/14/2021 1:46:31 PM
Total Petroleum Hydrocarbons	ND	139		mg/Kg-dry	1	7/14/2021 1:46:31 PM
Surr: 2-Fluorobiphenyl	70.1	50 - 150		%Rec	1	7/14/2021 1:46:31 PM
Surr: o-Terphenyl	78.1	50 - 150		%Rec	1	7/14/2021 1:46:31 PM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 32986		Analyst: KT
Gasoline	ND	5.06		mg/Kg-dry	1	7/13/2021 10:49:41 PM
Surr: Toluene-d8	97.7	65 - 135		%Rec	1	7/13/2021 10:49:41 PM
Surr: 4-Bromofluorobenzene	86.8	65 - 135		%Rec	1	7/13/2021 10:49:41 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68543		Analyst: cb
Percent Moisture	9.04	0.500		wt%	1	7/14/2021 9:41:35 AM

Work Order: 2107183
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-32994	SampType: MBLK	Units: mg/Kg			Prep Date: 7/14/2021	RunNo: 68556					
Client ID: MBLKS	Batch ID: 32994				Analysis Date: 7/14/2021	SeqNo: 1385358					
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	8.11		10.00		81.1	50	150				
Surr: o-Terphenyl	8.86		10.00		88.6	50	150				

Sample ID: LCS-32994	SampType: LCS	Units: mg/Kg			Prep Date: 7/14/2021	RunNo: 68556					
Client ID: LCSS	Batch ID: 32994				Analysis Date: 7/14/2021	SeqNo: 1385359					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	460	150	500.0	0	91.9	75.7	116				
Surr: 2-Fluorobiphenyl	8.80		10.00		88.0	50	150				
Surr: o-Terphenyl	11.4		10.00		114	50	150				

Sample ID: 2107183-002AMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 7/14/2021	RunNo: 68556					
Client ID: T8-S19-E05-150	Batch ID: 32994				Analysis Date: 7/14/2021	SeqNo: 1385362					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	501	159	529.7	0	94.6	59.6	134				
Surr: 2-Fluorobiphenyl	8.64		10.59		81.6	50	150				
Surr: o-Terphenyl	11.0		10.59		104	50	150				

Sample ID: 2107183-002AMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 7/14/2021	RunNo: 68556					
Client ID: T8-S19-E05-150	Batch ID: 32994				Analysis Date: 7/14/2021	SeqNo: 1385363					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	545	164	547.6	0	99.5	59.6	134	501.1	8.32	30	
Surr: 2-Fluorobiphenyl	8.38		10.95		76.5	50	150		0		
Surr: o-Terphenyl	11.0		10.95		100	50	150		0		



Date: 7/14/2021

Work Order: 2107183
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2107183-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/14/2021	RunNo: 68556							
Client ID: T8-S19-E05-150	Batch ID: 32994	Analysis Date: 7/14/2021	SeqNo: 1385363								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2107183
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-32986	SampType: LCS	Units: mg/Kg			Prep Date: 7/13/2021	RunNo: 68537					
Client ID: LCSS	Batch ID: 32986				Analysis Date: 7/13/2021	SeqNo: 1385053					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	27.3	5.00	25.00	0	109	65	135				
Surr: Toluene-d8	1.28		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		102	65	135				

Sample ID: MB-32986	SampType: MBLK	Units: mg/Kg			Prep Date: 7/13/2021	RunNo: 68537					
Client ID: MBLKS	Batch ID: 32986				Analysis Date: 7/13/2021	SeqNo: 1385054					
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		99.5	65	135				
Surr: 4-Bromofluorobenzene	1.12		1.250		89.2	65	135				

Sample ID: 2107172-003BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 7/13/2021	RunNo: 68537					
Client ID: BATCH	Batch ID: 32986				Analysis Date: 7/13/2021	SeqNo: 1385042					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	7.40						0		30	
Surr: Toluene-d8	1.84		1.849		99.3	65	135		0		
Surr: 4-Bromofluorobenzene	1.69		1.849		91.5	65	135		0		

Sample ID: 2107183-005BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 7/13/2021	RunNo: 68537					
Client ID: T8-S26-E06-152	Batch ID: 32986				Analysis Date: 7/13/2021	SeqNo: 1385050					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	25.7	5.06	25.31	0	102	65	135				
Surr: Toluene-d8	1.28		1.266		101	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.266		103	65	135				

Client Name: **AC**

 Work Order Number: **2107183**

 Logged by: **Brianna Barnes**

 Date Received: **7/13/2021 3:15:00 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	5.5

* 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: 7/13/21 Page: 1 of 1

Project Name: Skunk Creek SIGHT Redevelopment

Project No: ~~180587~~ AC 180587

Collected by: Baxter Cam

Location:

Report To (PM): Ali Cochrane, Amerpa Oates

PM Email: acochrane@aspectconsulting.com nocere@aspectconsulting.com

Laboratory Project No (Internal): ~~2107185~~ 2107183
Special Remarks: ~~2107185~~ 2107183

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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	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 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)		Anions (IC)**	EDB (801)	
1 TB-817-E06-150	7/13/21	1125	S	8			X		X									
2 TB-819-E05-150		1135																
3 TB-592-E92-150		1206																
4 TB-522-E04-155		1206																
5 TB-526-E06-152		1235																
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 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

Baxter Cam 7/13/21 14:30 Gabrielle Cozelle 7/13/21 14:30

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

Brianna Barnes 7/13/21 15:15



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: Skanska T8
Work Order Number: 2107258

July 19, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 7/16/2021 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

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: Skanska T8
Work Order: 2107258

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107258-001	T8-S28-E15-155	07/16/2021 12:30 PM	07/16/2021 1:27 PM
2107258-002	T8-S26-E16-155	07/16/2021 12:35 PM	07/16/2021 1:27 PM

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

CLIENT: Aspect Consulting

Project: Skanska T8

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: Skanska T8

Lab ID: 2107258-001

Collection Date: 7/16/2021 12:30:00 PM

Client Sample ID: T8-S28-E15-155

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33040		Analyst: MM
Diesel (Fuel Oil)	ND	51.8		mg/Kg-dry	1	7/19/2021 11:49:08 AM
Heavy Oil	ND	104		mg/Kg-dry	1	7/19/2021 11:49:08 AM
Total Petroleum Hydrocarbons	ND	156		mg/Kg-dry	1	7/19/2021 11:49:08 AM
Surr: 2-Fluorobiphenyl	88.3	50 - 150		%Rec	1	7/19/2021 11:49:08 AM
Surr: o-Terphenyl	94.2	50 - 150		%Rec	1	7/19/2021 11:49:08 AM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33034		Analyst: KT
Gasoline	ND	2.65		mg/Kg-dry	1	7/17/2021 8:13:10 AM
Surr: Toluene-d8	99.6	65 - 135		%Rec	1	7/17/2021 8:13:10 AM
Surr: 4-Bromofluorobenzene	97.7	65 - 135		%Rec	1	7/17/2021 8:13:10 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68632		Analyst: cb
Percent Moisture	7.62	0.500		wt%	1	7/19/2021 9:17:45 AM



CLIENT: Aspect Consulting
Project: Skanska T8

Lab ID: 2107258-002

Collection Date: 7/16/2021 12:35:00 PM

Client Sample ID: T8-S26-E16-155

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33040		Analyst: MM
Diesel (Fuel Oil)	ND	48.0		mg/Kg-dry	1	7/19/2021 12:01:58 PM
Heavy Oil	ND	96.0		mg/Kg-dry	1	7/19/2021 12:01:58 PM
Total Petroleum Hydrocarbons	ND	144		mg/Kg-dry	1	7/19/2021 12:01:58 PM
Surr: 2-Fluorobiphenyl	87.3	50 - 150		%Rec	1	7/19/2021 12:01:58 PM
Surr: o-Terphenyl	92.3	50 - 150		%Rec	1	7/19/2021 12:01:58 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33034		Analyst: KT
Gasoline	ND	3.60		mg/Kg-dry	1	7/17/2021 8:43:31 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	7/17/2021 8:43:31 AM
Surr: 4-Bromofluorobenzene	97.0	65 - 135		%Rec	1	7/17/2021 8:43:31 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68632		Analyst: cb
Percent Moisture	6.82	0.500		wt%	1	7/19/2021 9:17:45 AM

Work Order: 2107258
CLIENT: Aspect Consulting
Project: Skanska T8

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

Sample ID: MB-33040	SampType: MBLK	Units: mg/Kg				Prep Date: 7/19/2021	RunNo: 68655				
Client ID: MBLKS	Batch ID: 33040					Analysis Date: 7/19/2021	SeqNo: 1387804				
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	9.11		10.00		91.1	50	150				
Surr: o-Terphenyl	9.66		10.00		96.6	50	150				

Sample ID: LCS-33040	SampType: LCS	Units: mg/Kg				Prep Date: 7/19/2021	RunNo: 68655				
Client ID: LCSS	Batch ID: 33040					Analysis Date: 7/19/2021	SeqNo: 1387805				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	444	150	500.0	0	88.9	75.7	116				
Surr: 2-Fluorobiphenyl	9.85		10.00		98.5	50	150				
Surr: o-Terphenyl	11.4		10.00		114	50	150				

Sample ID: 2107258-002AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/19/2021	RunNo: 68655				
Client ID: T8-S26-E16-155	Batch ID: 33040					Analysis Date: 7/19/2021	SeqNo: 1387806				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	503	148	491.8	0	102	59.6	134				
Surr: 2-Fluorobiphenyl	9.80		9.836		99.6	50	150				
Surr: o-Terphenyl	12.0		9.836		122	50	150				

Sample ID: 2107258-002AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/19/2021	RunNo: 68655				
Client ID: T8-S26-E16-155	Batch ID: 33040					Analysis Date: 7/19/2021	SeqNo: 1387807				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	520	151	502.4	0	103	59.6	134	502.8	3.33	30	
Surr: 2-Fluorobiphenyl	10.4		10.05		104	50	150		0		
Surr: o-Terphenyl	12.7		10.05		127	50	150		0		



Work Order: 2107258
CLIENT: Aspect Consulting
Project: Skanska T8

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

Sample ID: 2107258-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/19/2021	RunNo: 68655							
Client ID: T8-S26-E16-155	Batch ID: 33040	Analysis Date: 7/19/2021	SeqNo: 1387807								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2107258
 CLIENT: Aspect Consulting
 Project: Skanska T8

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33034	SampType: LCS	Units: mg/Kg		Prep Date: 7/16/2021	RunNo: 68630						
Client ID: LCSS	Batch ID: 33034			Analysis Date: 7/16/2021	SeqNo: 1387134						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	22.0	5.00	25.00	0	87.9	65	135				
Surr: Toluene-d8	1.23		1.250		98.6	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		99.6	65	135				

Sample ID: MB-33034	SampType: MBLK	Units: mg/Kg		Prep Date: 7/16/2021	RunNo: 68630						
Client ID: MBLKS	Batch ID: 33034			Analysis Date: 7/16/2021	SeqNo: 1387135						
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		101	65	135				
Surr: 4-Bromofluorobenzene	1.21		1.250		96.7	65	135				

Sample ID: 2107195-015BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 7/16/2021	RunNo: 68630						
Client ID: BATCH	Batch ID: 33034			Analysis Date: 7/17/2021	SeqNo: 1387141						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.48						0		30	
Surr: Toluene-d8	1.67		1.620		103	65	135		0		
Surr: 4-Bromofluorobenzene	1.54		1.620		94.9	65	135		0		

Sample ID: 2107243-001BDUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 7/16/2021	RunNo: 68630						
Client ID: BATCH	Batch ID: 33034			Analysis Date: 7/17/2021	SeqNo: 1387143						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.92						0		30	
Gasoline Range Organics (C6-C12)	66.2	5.92						53.29	21.6	30	
Surr: Toluene-d8	1.42		1.479		95.8	65	135		0		
Surr: 4-Bromofluorobenzene	1.55		1.479		105	65	135		0		

Work Order: 2107258
CLIENT: Aspect Consulting
Project: Skanska T8

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2107243-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/16/2021	RunNo: 68630							
Client ID: BATCH	Batch ID: 33034	Analysis Date: 7/17/2021	SeqNo: 1387143								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:

GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12).

Sample ID: 2107243-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/16/2021	RunNo: 68630							
Client ID: BATCH	Batch ID: 33034	Analysis Date: 7/17/2021	SeqNo: 1387149								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	28.2	6.44	32.18	3.410	77.2	65	135				
Surr: Toluene-d8	1.59		1.609		99.1	65	135				
Surr: 4-Bromofluorobenzene	1.63		1.609		101	65	135				

Client Name: **AC**

 Work Order Number: **2107258**

 Logged by: **Clare Griggs**

 Date Received: **7/16/2021 1:27:58 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	5.2

* 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: 07/16/21 Page: 1 of 1
Laboratory Project No (Internal): 2107258
Special Remarks:

Project Name: Skanska TB
Project No: 180587
Collected by: Amelia Oates
Location: Bellevue
Report To (PM): Ali Cahrane; Amelia Oates
PM Email: acahrane@aspectconsulting.com / coates@aspectconsulting.com

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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOC (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCD)	SNOC (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8270 / 608)	Metals** (EPA 8210 / 608)	Total (T) [Disolved (D)]	Anions (C)*** (EPA 8011)	EDB (8011)	Comments
1. T8-528-E15-155	07/16/21	1230	S	3	X	X	X	X								
2. T8-526-E16-155	07/16/21	1235	S	3	X	X	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): 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
 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 _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____
 Relinquished (Signature) _____ Print Name _____ Date/Time _____

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: Skanska T8
Work Order Number: 2107287

July 20, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 7/19/2021 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)
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:
Amelia Oates

CLIENT: Aspect Consulting
Project: Skanska T8
Work Order: 2107287

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107287-001	T8-S06-E24-155	07/19/2021 9:55 AM	07/19/2021 1:57 PM
2107287-002	T8-S03-E24-155	07/19/2021 10:00 AM	07/19/2021 1:57 PM
2107287-003	T8-S05-E22-155	07/19/2021 10:10 AM	07/19/2021 1:57 PM
2107287-004	T8-TB-11	07/13/2021 12:05 PM	07/19/2021 1:57 PM
2107287-005	T8-S23-E15-155	07/19/2021 12:10 PM	07/19/2021 1:57 PM

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

CLIENT: Aspect Consulting

Project: Skanska T8

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: 7/19/2021 9:55:00 AM

Project: Skanska T8

Lab ID: 2107287-001

Matrix: Soil

Client Sample ID: T8-S06-E24-155

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

Batch ID: 33053 Analyst: MM

Diesel (Fuel Oil)	ND	46.5		mg/Kg-dry	1	7/19/2021 9:15:16 PM
Heavy Oil	ND	93.1		mg/Kg-dry	1	7/19/2021 9:15:16 PM
Total Petroleum Hydrocarbons	ND	140		mg/Kg-dry	1	7/19/2021 9:15:16 PM
Surr: 2-Fluorobiphenyl	101	50 - 150		%Rec	1	7/19/2021 9:15:16 PM
Surr: o-Terphenyl	109	50 - 150		%Rec	1	7/19/2021 9:15:16 PM

Gasoline by NWTPH-Gx

Batch ID: 33051 Analyst: KT

Gasoline	ND	2.83		mg/Kg-dry	1	7/20/2021 1:46:45 AM
Surr: Toluene-d8	99.0	65 - 135		%Rec	1	7/20/2021 1:46:45 AM
Surr: 4-Bromofluorobenzene	87.9	65 - 135		%Rec	1	7/20/2021 1:46:45 AM

Sample Moisture (Percent Moisture)

Batch ID: R68662 Analyst: cb

Percent Moisture	8.80	0.500		wt%	1	7/19/2021 5:05:13 PM
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Client: Aspect Consulting

Collection Date: 7/19/2021 10:00:00 AM

Project: Skanska T8

Lab ID: 2107287-002

Matrix: Soil

Client Sample ID: T8-S03-E24-155

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

Batch ID: 33053 Analyst: MM

Diesel (Fuel Oil)	ND	52.4		mg/Kg-dry	1	7/19/2021 9:41:04 PM
Heavy Oil	ND	105		mg/Kg-dry	1	7/19/2021 9:41:04 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	7/19/2021 9:41:04 PM
Surr: 2-Fluorobiphenyl	92.9	50 - 150		%Rec	1	7/19/2021 9:41:04 PM
Surr: o-Terphenyl	99.2	50 - 150		%Rec	1	7/19/2021 9:41:04 PM

Gasoline by NWTPH-Gx

Batch ID: 33051 Analyst: KT

Gasoline	ND	2.81		mg/Kg-dry	1	7/20/2021 2:16:51 AM
Surr: Toluene-d8	98.6	65 - 135		%Rec	1	7/20/2021 2:16:51 AM
Surr: 4-Bromofluorobenzene	86.3	65 - 135		%Rec	1	7/20/2021 2:16:51 AM

Sample Moisture (Percent Moisture)

Batch ID: R68662 Analyst: cb

Percent Moisture	6.80	0.500		wt%	1	7/19/2021 5:05:13 PM
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Client: Aspect Consulting

Collection Date: 7/19/2021 10:10:00 AM

Project: Skanska T8

Lab ID: 2107287-003

Matrix: Soil

Client Sample ID: T8-S05-E22-155

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33053	Analyst: MM
Diesel (Fuel Oil)	ND	51.5		mg/Kg-dry	1	7/19/2021 10:06:44 PM
Heavy Oil	ND	103		mg/Kg-dry	1	7/19/2021 10:06:44 PM
Total Petroleum Hydrocarbons	ND	154		mg/Kg-dry	1	7/19/2021 10:06:44 PM
Surr: 2-Fluorobiphenyl	82.6	50 - 150		%Rec	1	7/19/2021 10:06:44 PM
Surr: o-Terphenyl	91.4	50 - 150		%Rec	1	7/19/2021 10:06:44 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33051	Analyst: KT
Gasoline	ND	2.64		mg/Kg-dry	1	7/20/2021 2:46:59 AM
Surr: Toluene-d8	97.5	65 - 135		%Rec	1	7/20/2021 2:46:59 AM
Surr: 4-Bromofluorobenzene	86.0	65 - 135		%Rec	1	7/20/2021 2:46:59 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68662	Analyst: cb
Percent Moisture	9.87	0.500		wt%	1	7/19/2021 5:05:13 PM



Client: Aspect Consulting

Collection Date: 7/13/2021 12:05:00 PM

Project: Skanska T8

Lab ID: 2107287-004

Matrix: Soil

Client Sample ID: T8-TB-11

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

Batch ID: 33051

Analyst: KT

Vinyl chloride	ND	0.0250		mg/Kg	1	7/19/2021 4:44:40 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/19/2021 4:44:40 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/19/2021 4:44:40 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/19/2021 4:44:40 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/19/2021 4:44:40 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/19/2021 4:44:40 PM
Surr: Dibromofluoromethane	93.7	80 - 120		%Rec	1	7/19/2021 4:44:40 PM
Surr: Toluene-d8	95.2	80 - 120		%Rec	1	7/19/2021 4:44:40 PM
Surr: 1-Bromo-4-fluorobenzene	92.0	80 - 120		%Rec	1	7/19/2021 4:44:40 PM



Client: Aspect Consulting

Collection Date: 7/19/2021 12:10:00 PM

Project: Skanska T8

Lab ID: 2107287-005

Matrix: Soil

Client Sample ID: T8-S23-E15-155

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33053	Analyst: MM
Diesel (Fuel Oil)	ND	52.5		mg/Kg-dry	1	7/19/2021 10:32:25 PM
Heavy Oil	ND	105		mg/Kg-dry	1	7/19/2021 10:32:25 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	7/19/2021 10:32:25 PM
Surr: 2-Fluorobiphenyl	89.6	50 - 150		%Rec	1	7/19/2021 10:32:25 PM
Surr: o-Terphenyl	94.8	50 - 150		%Rec	1	7/19/2021 10:32:25 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33051	Analyst: KT
Gasoline	ND	3.48		mg/Kg-dry	1	7/20/2021 3:17:07 AM
Surr: Toluene-d8	98.4	65 - 135		%Rec	1	7/20/2021 3:17:07 AM
Surr: 4-Bromofluorobenzene	85.5	65 - 135		%Rec	1	7/20/2021 3:17:07 AM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33051	Analyst: KT
Vinyl chloride	ND	0.0174		mg/Kg-dry	1	7/20/2021 3:17:07 AM
1,1-Dichloroethene	ND	0.0697		mg/Kg-dry	1	7/20/2021 3:17:07 AM
trans-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	7/20/2021 3:17:07 AM
cis-1,2-Dichloroethene	ND	0.0174		mg/Kg-dry	1	7/20/2021 3:17:07 AM
Trichloroethene (TCE)	ND	0.0139		mg/Kg-dry	1	7/20/2021 3:17:07 AM
Tetrachloroethene (PCE)	ND	0.0279		mg/Kg-dry	1	7/20/2021 3:17:07 AM
Surr: Dibromofluoromethane	97.1	80 - 120		%Rec	1	7/20/2021 3:17:07 AM
Surr: Toluene-d8	97.0	80 - 120		%Rec	1	7/20/2021 3:17:07 AM
Surr: 1-Bromo-4-fluorobenzene	89.6	80 - 120		%Rec	1	7/20/2021 3:17:07 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68662	Analyst: cb
Percent Moisture	8.74	0.500		wt%	1	7/19/2021 5:05:13 PM

Work Order: 2107287
CLIENT: Aspect Consulting
Project: Skanska T8

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

Sample ID: MB-33053	SampType: MBLK	Units: mg/Kg				Prep Date: 7/19/2021	RunNo: 68678				
Client ID: MBLKS	Batch ID: 33053					Analysis Date: 7/19/2021	SeqNo: 1388331				
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	8.79		10.00		87.9	50	150				
Surr: o-Terphenyl	9.74		10.00		97.4	50	150				

Sample ID: LCS-33053	SampType: LCS	Units: mg/Kg				Prep Date: 7/19/2021	RunNo: 68678				
Client ID: LCSS	Batch ID: 33053					Analysis Date: 7/19/2021	SeqNo: 1388332				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	530	150	500.0	0	106	77.2	122				
Surr: 2-Fluorobiphenyl	7.23		10.00		72.3	50	150				
Surr: o-Terphenyl	11.5		10.00		115	50	150				

Sample ID: 2107192-002AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 7/19/2021	RunNo: 68678				
Client ID: BATCH	Batch ID: 33053					Analysis Date: 7/19/2021	SeqNo: 1388335				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	542	165	548.9	0	98.8	68	132				
Surr: 2-Fluorobiphenyl	7.28		10.98		66.3	50	150				
Surr: o-Terphenyl	10.4		10.98		94.3	50	150				

Sample ID: 2107192-002AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 7/19/2021	RunNo: 68678				
Client ID: BATCH	Batch ID: 33053					Analysis Date: 7/19/2021	SeqNo: 1388336				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	545	163	543.5	0	100	68	132	542.2	0.458	30	
Surr: 2-Fluorobiphenyl	7.96		10.87		73.2	50	150		0		
Surr: o-Terphenyl	10.1		10.87		93.3	50	150		0		

Work Order: 2107287
CLIENT: Aspect Consulting
Project: Skanska T8

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

Sample ID: 2107192-002AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 7/19/2021	RunNo: 68678							
Client ID: BATCH	Batch ID: 33053		Analysis Date: 7/19/2021	SeqNo: 1388336							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2107287
CLIENT: Aspect Consulting
Project: Skanska T8

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: BATCH	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: 2107287
CLIENT: Aspect Consulting
Project: Skanska T8

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: BATCH	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				

Work Order: 2107287
 CLIENT: Aspect Consulting
 Project: Skanska T8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33051	SampType: LCS	Units: mg/Kg	Prep Date: 7/19/2021	RunNo: 68665							
Client ID: LCSS	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387952							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.909	0.0250	1.000	0	90.9	80	120				
1,1-Dichloroethene	0.942	0.100	1.000	0	94.2	80	120				
trans-1,2-Dichloroethene	0.940	0.0300	1.000	0	94.0	80	120				
cis-1,2-Dichloroethene	0.929	0.0250	1.000	0	92.9	80	120				
Trichloroethene (TCE)	1.01	0.0200	1.000	0	101	80	120				
Tetrachloroethene (PCE)	1.05	0.0400	1.000	0	105	80	120				
Surr: Dibromofluoromethane	1.19		1.250		95.5	80	120				
Surr: Toluene-d8	1.23		1.250		98.8	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.35		1.250		108	80	120				

Sample ID: MB-33051	SampType: MBLK	Units: mg/Kg	Prep Date: 7/19/2021	RunNo: 68665							
Client ID: MBLKS	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387951							
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	1.17		1.250		93.2	80	120				
Surr: Toluene-d8	1.20		1.250		95.7	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.15		1.250		92.1	80	120				

Sample ID: 2107197-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/19/2021	RunNo: 68665							
Client ID: BATCH	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387937							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0373						0		30	

Work Order: 2107287
 CLIENT: Aspect Consulting
 Project: Skanska T8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107197-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/19/2021	RunNo: 68665							
Client ID: BATCH	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387937							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.149						0		30	
trans-1,2-Dichloroethene	ND	0.0448						0		30	
cis-1,2-Dichloroethene	ND	0.0373						0		30	
Trichloroethene (TCE)	ND	0.0299						0		30	
Tetrachloroethene (PCE)	ND	0.0597						0		30	
Surr: Dibromofluoromethane	1.74		1.866		93.4	80	120		0		
Surr: Toluene-d8	1.79		1.866		95.9	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.70		1.866		91.3	80	120		0		

Sample ID: 2107197-006BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/19/2021	RunNo: 68665							
Client ID: BATCH	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387939							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.07	0.0326	1.305	0	81.7	41.9	145				
1,1-Dichloroethene	1.22	0.131	1.305	0	93.7	62.1	135				
trans-1,2-Dichloroethene	1.21	0.0392	1.305	0	92.4	65.4	137				
cis-1,2-Dichloroethene	1.22	0.0326	1.305	0	93.7	81.9	124				
Trichloroethene (TCE)	1.37	0.0261	1.305	0	105	79	130				
Tetrachloroethene (PCE)	1.39	0.0522	1.305	0	106	77.2	128				
Surr: Dibromofluoromethane	1.56		1.632		95.4	80	120				
Surr: Toluene-d8	1.64		1.632		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.78		1.632		109	80	120				

Sample ID: 2107286-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/19/2021	RunNo: 68665							
Client ID: BATCH	Batch ID: 33051		Analysis Date: 7/19/2021	SeqNo: 1387946							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0207						0		30	
1,1-Dichloroethene	ND	0.0828						0		30	

Work Order: 2107287
CLIENT: Aspect Consulting
Project: Skanska T8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107286-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/19/2021	RunNo: 68665							
Client ID: BATCH	Batch ID: 33051	Analysis Date: 7/19/2021	SeqNo: 1387946								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0248						0		30	
cis-1,2-Dichloroethene	ND	0.0207						0		30	
Trichloroethene (TCE)	ND	0.0166						0		30	
Tetrachloroethene (PCE)	ND	0.0331						0		30	
Surr: Dibromofluoromethane	0.978		1.035		94.4	80	120		0		
Surr: Toluene-d8	0.994		1.035		96.0	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.942		1.035		91.0	80	120		0		

Client Name: **AC**

 Work Order Number: **2107287**

 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



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: 7/19/21 Page: 1 of: 1
Laboratory Project No (Internal): 2107287

Client: Aspect Consulting
Project Name: SKANSTON T8
Special Remarks:

Address: 710 2nd AVE Suite 550
Project No: 180567

City, State, Zip: Seattle, WA 98104
Collected by: Amelia Dates

Telephone: -
Location:

Fax: -
Report To (PM): Ali Lehman; Amelia Dates

PM Email: ameliadates@aspectconsulting.com; a.lehman@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) <u>GC/MS</u>	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HX)	Diesel/Heavy Oil Range Organics (HX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.9)	Total (T) Dissolved (D)	Anions (C)***	EDB (8011)	Comments
1 TR-S06-E24-155	07/19/21	0955	S	3	X	X	X	X	X	X	X	X	X	X	X	X	* Only run VOC list
2 TR-S03-E24-155		1000	S	↓	X	X	X	X	X	X	X	X	X	X	X	X	Do not run VOCs per JS 7/19/21
3 TR-S05-E22-155		1010	S	↓	X	X	X	X	X	X	X	X	X	X	X	X	
4 TR-TB-11	07/13/21	1205	AQ	1	X	X	X	X	X	X	X	X	X	X	X	X	
5 TR-S23-E16-155	07/19/21	1210	S	3	X	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 (Crde): MICA-5 RCRA-8 Priority Pollutants TML 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 (Crde): 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: Amelia Dates Date/Time: 07/19/21 13:00

Received (Signature): [Signature] Print Name: Justin Mantz Date/Time: 7/19/21 13:54

Relinquished (Signature): [Signature] Print Name: Justin Mantz Date/Time: 7/19/21 13:54



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Skanska The Eight Redevelopment

Work Order Number: 2107367

July 26, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 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)

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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2107367

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107367-001	T8-TB-12	07/23/2021 12:00 PM	07/23/2021 3:15 PM
2107367-002	T8-S28-E18-147	07/23/2021 11:00 AM	07/23/2021 3:15 PM
2107367-003	T8-S30-E18-147	07/23/2021 11:50 AM	07/23/2021 3:15 PM
2107367-004	T8-S27-E16-147	07/23/2021 12:20 PM	07/23/2021 3:15 PM
2107367-005	T8-S26-E18-147	07/23/2021 12:35 PM	07/23/2021 3:15 PM
2107367-006	T8-S27-E19-147	07/23/2021 12:50 PM	07/23/2021 3:15 PM
2107367-007	T8-S93-E93-147	07/23/2021 12:00 PM	07/23/2021 3:15 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 7/23/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107367-001

Matrix: Soil

Client Sample ID: T8-TB-12

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

Batch ID: 33114

Analyst: CR

Vinyl chloride	ND	0.0250		mg/Kg	1	7/24/2021 1:53:32 AM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/24/2021 1:53:32 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/24/2021 1:53:32 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/24/2021 1:53:32 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/24/2021 1:53:32 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/24/2021 1:53:32 AM
Surr: Dibromofluoromethane	91.4	80 - 120		%Rec	1	7/24/2021 1:53:32 AM
Surr: Toluene-d8	94.4	80 - 120		%Rec	1	7/24/2021 1:53:32 AM
Surr: 1-Bromo-4-fluorobenzene	97.2	80 - 120		%Rec	1	7/24/2021 1:53:32 AM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107367-002
Client Sample ID: T8-S28-E18-147

Collection Date: 7/23/2021 11:00:00 AM
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)	314	49.5		mg/Kg-dry	1	7/26/2021 10:38:10 AM
Heavy Oil	ND	99.0		mg/Kg-dry	1	7/26/2021 10:38:10 AM
Total Petroleum Hydrocarbons	314	149		mg/Kg-dry	1	7/26/2021 10:38:10 AM
Surr: 2-Fluorobiphenyl	89.2	50 - 150		%Rec	1	7/26/2021 10:38:10 AM
Surr: o-Terphenyl	97.7	50 - 150		%Rec	1	7/26/2021 10:38:10 AM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33114	Analyst: CR
Gasoline	ND	5.34		mg/Kg-dry	1	7/24/2021 2:23:42 AM
Surr: Toluene-d8	99.1	65 - 135		%Rec	1	7/24/2021 2:23:42 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	7/24/2021 2:23:42 AM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33114	Analyst: CR
Vinyl chloride	ND	0.0267		mg/Kg-dry	1	7/24/2021 2:23:42 AM
1,1-Dichloroethene	ND	0.107		mg/Kg-dry	1	7/24/2021 2:23:42 AM
trans-1,2-Dichloroethene	ND	0.0320		mg/Kg-dry	1	7/24/2021 2:23:42 AM
cis-1,2-Dichloroethene	ND	0.0267		mg/Kg-dry	1	7/24/2021 2:23:42 AM
Trichloroethene (TCE)	ND	0.0213		mg/Kg-dry	1	7/24/2021 2:23:42 AM
Tetrachloroethene (PCE)	ND	0.0427		mg/Kg-dry	1	7/24/2021 2:23:42 AM
Surr: Dibromofluoromethane	96.9	80 - 120		%Rec	1	7/24/2021 2:23:42 AM
Surr: Toluene-d8	96.8	80 - 120		%Rec	1	7/24/2021 2:23:42 AM
Surr: 1-Bromo-4-fluorobenzene	105	80 - 120		%Rec	1	7/24/2021 2:23:42 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68785	Analyst: ALB
Percent Moisture	8.70	0.500		wt%	1	7/23/2021 3:58:21 PM



Client: Aspect Consulting

Collection Date: 7/23/2021 11:50:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2107367-003

Matrix: Soil

Client Sample ID: T8-S30-E18-147

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 10:50:59 AM
Heavy Oil	ND	92.5		mg/Kg-dry	1	7/26/2021 10:50:59 AM
Total Petroleum Hydrocarbons	ND	139		mg/Kg-dry	1	7/26/2021 10:50:59 AM
Surr: 2-Fluorobiphenyl	92.7	50 - 150		%Rec	1	7/26/2021 10:50:59 AM
Surr: o-Terphenyl	100	50 - 150		%Rec	1	7/26/2021 10:50:59 AM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33114		Analyst: CR
Gasoline	ND	6.78		mg/Kg-dry	1	7/24/2021 2:53:52 AM
Surr: Toluene-d8	97.7	65 - 135		%Rec	1	7/24/2021 2:53:52 AM
Surr: 4-Bromofluorobenzene	97.2	65 - 135		%Rec	1	7/24/2021 2:53:52 AM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68785		Analyst: ALB
Percent Moisture	9.05	0.500		wt%	1	7/23/2021 3:58:21 PM



Client: Aspect Consulting

Collection Date: 7/23/2021 12:20:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107367-004

Matrix: Soil

Client Sample ID: T8-S27-E16-147

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	43.7		mg/Kg-dry	1	7/26/2021 11:03:55 AM
Heavy Oil	ND	87.3		mg/Kg-dry	1	7/26/2021 11:03:55 AM
Total Petroleum Hydrocarbons	ND	131		mg/Kg-dry	1	7/26/2021 11:03:55 AM
Surr: 2-Fluorobiphenyl	92.9	50 - 150		%Rec	1	7/26/2021 11:03:55 AM
Surr: o-Terphenyl	99.2	50 - 150		%Rec	1	7/26/2021 11:03:55 AM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33114		Analyst: CR
Gasoline	ND	5.22		mg/Kg-dry	1	7/24/2021 3:24:02 AM
Surr: Toluene-d8	97.9	65 - 135		%Rec	1	7/24/2021 3:24:02 AM
Surr: 4-Bromofluorobenzene	94.4	65 - 135		%Rec	1	7/24/2021 3:24:02 AM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68785		Analyst: ALB
Percent Moisture	5.60	0.500		wt%	1	7/23/2021 3:58:21 PM



Client: Aspect Consulting

Collection Date: 7/23/2021 12:35:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107367-005

Matrix: Soil

Client Sample ID: T8-S26-E18-147

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	48.0		mg/Kg-dry	1	7/26/2021 11:16:43 AM
Heavy Oil	ND	95.9		mg/Kg-dry	1	7/26/2021 11:16:43 AM
Total Petroleum Hydrocarbons	ND	144		mg/Kg-dry	1	7/26/2021 11:16:43 AM
Surr: 2-Fluorobiphenyl	96.7	50 - 150		%Rec	1	7/26/2021 11:16:43 AM
Surr: o-Terphenyl	107	50 - 150		%Rec	1	7/26/2021 11:16:43 AM
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33114		Analyst: CR
Gasoline	ND	5.21		mg/Kg-dry	1	7/24/2021 3:54:12 AM
Surr: Toluene-d8	97.3	65 - 135		%Rec	1	7/24/2021 3:54:12 AM
Surr: 4-Bromofluorobenzene	94.9	65 - 135		%Rec	1	7/24/2021 3:54:12 AM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R68785		Analyst: ALB
Percent Moisture	8.66	0.500		wt%	1	7/23/2021 3:58:21 PM



Client: Aspect Consulting

Collection Date: 7/23/2021 12:50:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107367-006

Matrix: Soil

Client Sample ID: T8-S27-E19-147

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	48.1		mg/Kg-dry	1	7/26/2021 11:29:32 AM
Heavy Oil	ND	96.1		mg/Kg-dry	1	7/26/2021 11:29:32 AM
Total Petroleum Hydrocarbons	ND	144		mg/Kg-dry	1	7/26/2021 11:29:32 AM
Surr: 2-Fluorobiphenyl	84.3	50 - 150		%Rec	1	7/26/2021 11:29:32 AM
Surr: o-Terphenyl	93.7	50 - 150		%Rec	1	7/26/2021 11:29:32 AM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33114	Analyst: CR
Gasoline	ND	4.71		mg/Kg-dry	1	7/24/2021 4:54:32 AM
Surr: Toluene-d8	97.1	65 - 135		%Rec	1	7/24/2021 4:54:32 AM
Surr: 4-Bromofluorobenzene	92.9	65 - 135		%Rec	1	7/24/2021 4:54:32 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68785	Analyst: ALB
Percent Moisture	9.23	0.500		wt%	1	7/23/2021 3:58:21 PM



Client: Aspect Consulting

Collection Date: 7/23/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107367-007

Matrix: Soil

Client Sample ID: T8-S93-E93-147

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	48.5		mg/Kg-dry	1	7/26/2021 11:42:17 AM
Heavy Oil	ND	97.0		mg/Kg-dry	1	7/26/2021 11:42:17 AM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	7/26/2021 11:42:17 AM
Surr: 2-Fluorobiphenyl	91.3	50 - 150		%Rec	1	7/26/2021 11:42:17 AM
Surr: o-Terphenyl	94.0	50 - 150		%Rec	1	7/26/2021 11:42:17 AM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33114	Analyst: CR
Gasoline	ND	5.00		mg/Kg-dry	1	7/24/2021 5:24:43 AM
Surr: Toluene-d8	96.5	65 - 135		%Rec	1	7/24/2021 5:24:43 AM
Surr: 4-Bromofluorobenzene	93.0	65 - 135		%Rec	1	7/24/2021 5:24:43 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68785	Analyst: ALB
Percent Moisture	9.68	0.500		wt%	1	7/23/2021 3:58:21 PM

Work Order: 2107367
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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		



Date: 7/26/2021

Work Order: 2107367
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 2107367
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S26-E18-147	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: 2107367
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S93-E93-147	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				

Work Order: 2107367
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33114	SampType: LCS	Units: mg/Kg	Prep Date: 7/23/2021	RunNo: 68793							
Client ID: LCSS	Batch ID: 33114		Analysis Date: 7/23/2021	SeqNo: 1391355							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.803	0.0250	1.000	0	80.3	80	120				
1,1-Dichloroethene	0.919	0.100	1.000	0	91.9	80	120				
trans-1,2-Dichloroethene	0.924	0.0300	1.000	0	92.4	80	120				
cis-1,2-Dichloroethene	0.923	0.0250	1.000	0	92.3	80	120				
Trichloroethene (TCE)	0.975	0.0200	1.000	0	97.5	80	120				
Tetrachloroethene (PCE)	1.04	0.0400	1.000	0	104	80	120				
Surr: Dibromofluoromethane	1.27		1.250		101	80	120				
Surr: Toluene-d8	1.26		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.36		1.250		109	80	120				

Sample ID: MB-33114	SampType: MBLK	Units: mg/Kg	Prep Date: 7/23/2021	RunNo: 68793							
Client ID: MBLKS	Batch ID: 33114		Analysis Date: 7/23/2021	SeqNo: 1391356							
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		94.5	80	120				
Surr: Toluene-d8	1.17		1.250		93.9	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.12		1.250		89.8	80	120				

Sample ID: 2107052-014BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/23/2021	RunNo: 68793							
Client ID: BATCH	Batch ID: 33114		Analysis Date: 7/23/2021	SeqNo: 1391343							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0253						0		30	H

Work Order: 2107367
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107052-014BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/23/2021	RunNo: 68793							
Client ID: BATCH	Batch ID: 33114	Analysis Date: 7/23/2021	SeqNo: 1391343								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.101						0		30	H
trans-1,2-Dichloroethene	ND	0.0303						0		30	H
cis-1,2-Dichloroethene	ND	0.0253						0		30	H
Trichloroethene (TCE)	ND	0.0202						0		30	H
Tetrachloroethene (PCE)	ND	0.0404						0		30	H
Surr: Dibromofluoromethane	1.25		1.264		98.7	80	120		0		H
Surr: Toluene-d8	1.22		1.264		96.3	80	120		0		H
Surr: 1-Bromo-4-fluorobenzene	1.24		1.264		98.1	80	120		0		H

Sample ID: 2107052-025BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/23/2021	RunNo: 68793							
Client ID: BATCH	Batch ID: 33114	Analysis Date: 7/23/2021	SeqNo: 1391347								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.757	0.0238	0.9509	0	79.6	41.9	145				H
1,1-Dichloroethene	0.878	0.0951	0.9509	0	92.3	62.1	135				H
trans-1,2-Dichloroethene	0.907	0.0285	0.9509	0	95.4	65.4	137				H
cis-1,2-Dichloroethene	0.899	0.0238	0.9509	0	94.5	81.9	124				H
Trichloroethene (TCE)	0.904	0.0190	0.9509	0	95.0	79	130				H
Tetrachloroethene (PCE)	0.933	0.0380	0.9509	0	98.1	77.2	128				H
Surr: Dibromofluoromethane	1.11		1.189		93.5	80	120				H
Surr: Toluene-d8	1.14		1.189		95.8	80	120				H
Surr: 1-Bromo-4-fluorobenzene	1.26		1.189		106	80	120				H

Sample ID: 2107367-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/23/2021	RunNo: 68793							
Client ID: T8-S26-E18-147	Batch ID: 33114	Analysis Date: 7/24/2021	SeqNo: 1391351								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0260						0		30	
1,1-Dichloroethene	ND	0.104						0		30	

Work Order: 2107367
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107367-005BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/23/2021	RunNo: 68793							
Client ID: T8-S26-E18-147	Batch ID: 33114		Analysis Date: 7/24/2021	SeqNo: 1391351							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,2-Dichloroethene	ND	0.0312						0		30	
cis-1,2-Dichloroethene	ND	0.0260						0		30	
Trichloroethene (TCE)	ND	0.0208						0		30	
Tetrachloroethene (PCE)	ND	0.0416						0		30	
Surr: Dibromofluoromethane	1.21		1.301		92.7	80	120		0		
Surr: Toluene-d8	1.23		1.301		94.9	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.28		1.301		98.3	80	120		0		

Client Name: **AC**

 Work Order Number: **2107367**

 Logged by: **Clare Griggs**

 Date Received: **7/23/2021 3:15:00 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	2.9

* 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: Skanska The Eight Redevelopment
Work Order Number: 2107432**

July 29, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 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

CC:
Amelia Oates

*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: 07/29/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2107432

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107432-001	T8-TB-13	07/27/2021 12:00 PM	07/27/2021 5:04 PM
2107432-002	T8-E23-E18-155	07/27/2021 3:00 PM	07/27/2021 5:04 PM
2107432-003	T8-E25-E20-155	07/27/2021 3:10 PM	07/27/2021 5:04 PM
2107432-004	T8-E24-E23-155	07/27/2021 3:20 PM	07/27/2021 5:04 PM
2107432-005	T8-S25-E07-143	07/27/2021 1:45 PM	07/27/2021 5:04 PM

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

Original

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 7/27/2021 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107432-001

Matrix: Soil

Client Sample ID: T8-TB-13

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

Batch ID: 33152

Analyst: KT

Vinyl chloride	ND	0.0250		mg/Kg	1	7/28/2021 12:11:54 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	7/28/2021 12:11:54 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	7/28/2021 12:11:54 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	7/28/2021 12:11:54 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	7/28/2021 12:11:54 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	7/28/2021 12:11:54 PM
Surr: Dibromofluoromethane	94.2	80 - 120		%Rec	1	7/28/2021 12:11:54 PM
Surr: Toluene-d8	92.1	80 - 120		%Rec	1	7/28/2021 12:11:54 PM
Surr: 1-Bromo-4-fluorobenzene	89.6	80 - 120		%Rec	1	7/28/2021 12:11:54 PM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107432-002
Client Sample ID: T8-E23-E18-155

Collection Date: 7/27/2021 3:00:00 PM
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	45.6		mg/Kg-dry	1	7/28/2021 1:43:10 PM
Heavy Oil	ND	91.3		mg/Kg-dry	1	7/28/2021 1:43:10 PM
Total Petroleum Hydrocarbons	ND	137		mg/Kg-dry	1	7/28/2021 1:43:10 PM
Surr: 2-Fluorobiphenyl	77.4	50 - 150		%Rec	1	7/28/2021 1:43:10 PM
Surr: o-Terphenyl	79.9	50 - 150		%Rec	1	7/28/2021 1:43:10 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33152	Analyst: KT
Gasoline	ND	2.47		mg/Kg-dry	1	7/28/2021 12:42:02 PM
Surr: Toluene-d8	95.1	65 - 135		%Rec	1	7/28/2021 12:42:02 PM
Surr: 4-Bromofluorobenzene	86.1	65 - 135		%Rec	1	7/28/2021 12:42:02 PM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33152	Analyst: KT
Vinyl chloride	ND	0.0124		mg/Kg-dry	1	7/28/2021 12:42:02 PM
1,1-Dichloroethene	ND	0.0494		mg/Kg-dry	1	7/28/2021 12:42:02 PM
trans-1,2-Dichloroethene	ND	0.0148		mg/Kg-dry	1	7/28/2021 12:42:02 PM
cis-1,2-Dichloroethene	ND	0.0124		mg/Kg-dry	1	7/28/2021 12:42:02 PM
Trichloroethene (TCE)	ND	0.00988		mg/Kg-dry	1	7/28/2021 12:42:02 PM
Tetrachloroethene (PCE)	ND	0.0198		mg/Kg-dry	1	7/28/2021 12:42:02 PM
Surr: Dibromofluoromethane	95.9	80 - 120		%Rec	1	7/28/2021 12:42:02 PM
Surr: Toluene-d8	92.7	80 - 120		%Rec	1	7/28/2021 12:42:02 PM
Surr: 1-Bromo-4-fluorobenzene	90.3	80 - 120		%Rec	1	7/28/2021 12:42:02 PM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68856	Analyst: OK
Percent Moisture	7.84	0.500		wt%	1	7/28/2021 9:22:21 AM



Client: Aspect Consulting
Project: Skanska The Eight Redevelopment
Lab ID: 2107432-003
Client Sample ID: T8-E25-E20-155

Collection Date: 7/27/2021 3:10:00 PM
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	51.5		mg/Kg-dry	1	7/28/2021 1:56:01 PM
Heavy Oil	ND	103		mg/Kg-dry	1	7/28/2021 1:56:01 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	7/28/2021 1:56:01 PM
Surr: 2-Fluorobiphenyl	74.8	50 - 150		%Rec	1	7/28/2021 1:56:01 PM
Surr: o-Terphenyl	88.5	50 - 150		%Rec	1	7/28/2021 1:56:01 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33152	Analyst: KT
Gasoline	ND	4.43		mg/Kg-dry	1	7/28/2021 1:42:18 PM
Surr: Toluene-d8	93.6	65 - 135		%Rec	1	7/28/2021 1:42:18 PM
Surr: 4-Bromofluorobenzene	84.9	65 - 135		%Rec	1	7/28/2021 1:42:18 PM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33152	Analyst: KT
Vinyl chloride	ND	0.0222		mg/Kg-dry	1	7/28/2021 1:42:18 PM
1,1-Dichloroethene	ND	0.0887		mg/Kg-dry	1	7/28/2021 1:42:18 PM
trans-1,2-Dichloroethene	ND	0.0266		mg/Kg-dry	1	7/28/2021 1:42:18 PM
cis-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	7/28/2021 1:42:18 PM
Trichloroethene (TCE)	ND	0.0177		mg/Kg-dry	1	7/28/2021 1:42:18 PM
Tetrachloroethene (PCE)	ND	0.0355		mg/Kg-dry	1	7/28/2021 1:42:18 PM
Surr: Dibromofluoromethane	94.7	80 - 120		%Rec	1	7/28/2021 1:42:18 PM
Surr: Toluene-d8	92.0	80 - 120		%Rec	1	7/28/2021 1:42:18 PM
Surr: 1-Bromo-4-fluorobenzene	88.9	80 - 120		%Rec	1	7/28/2021 1:42:18 PM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R68856	Analyst: OK
Percent Moisture	7.94	0.500		wt%	1	7/28/2021 9:22:21 AM



Client: Aspect Consulting

Collection Date: 7/27/2021 3:20:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107432-004

Matrix: Soil

Client Sample ID: T8-E24-E23-155

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

Batch ID: 33151 Analyst: MM

Diesel (Fuel Oil)	ND	49.1		mg/Kg-dry	1	7/28/2021 2:09:03 PM
Heavy Oil	ND	98.2		mg/Kg-dry	1	7/28/2021 2:09:03 PM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	7/28/2021 2:09:03 PM
Surr: 2-Fluorobiphenyl	68.2	50 - 150		%Rec	1	7/28/2021 2:09:03 PM
Surr: o-Terphenyl	79.3	50 - 150		%Rec	1	7/28/2021 2:09:03 PM

Gasoline by NWTPH-Gx

Batch ID: 33152 Analyst: KT

Gasoline	ND	6.26		mg/Kg-dry	1	7/28/2021 2:12:27 PM
Surr: Toluene-d8	94.8	65 - 135		%Rec	1	7/28/2021 2:12:27 PM
Surr: 4-Bromofluorobenzene	85.4	65 - 135		%Rec	1	7/28/2021 2:12:27 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33152 Analyst: KT

Vinyl chloride	ND	0.0313		mg/Kg-dry	1	7/28/2021 2:12:27 PM
1,1-Dichloroethene	ND	0.125		mg/Kg-dry	1	7/28/2021 2:12:27 PM
trans-1,2-Dichloroethene	ND	0.0375		mg/Kg-dry	1	7/28/2021 2:12:27 PM
cis-1,2-Dichloroethene	ND	0.0313		mg/Kg-dry	1	7/28/2021 2:12:27 PM
Trichloroethene (TCE)	ND	0.0250		mg/Kg-dry	1	7/28/2021 2:12:27 PM
Tetrachloroethene (PCE)	ND	0.0501		mg/Kg-dry	1	7/28/2021 2:12:27 PM
Surr: Dibromofluoromethane	94.6	80 - 120		%Rec	1	7/28/2021 2:12:27 PM
Surr: Toluene-d8	91.7	80 - 120		%Rec	1	7/28/2021 2:12:27 PM
Surr: 1-Bromo-4-fluorobenzene	89.7	80 - 120		%Rec	1	7/28/2021 2:12:27 PM

Sample Moisture (Percent Moisture)

Batch ID: R68856 Analyst: OK

Percent Moisture	7.79	0.500		wt%	1	7/28/2021 9:22:21 AM
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Client: Aspect Consulting

Collection Date: 7/27/2021 1:45:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107432-005

Matrix: Soil

Client Sample ID: T8-S25-E07-143

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

Batch ID: 33151 Analyst: MM

Diesel (Fuel Oil)	ND	52.5		mg/Kg-dry	1	7/28/2021 2:21:54 PM
Heavy Oil	ND	105		mg/Kg-dry	1	7/28/2021 2:21:54 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	7/28/2021 2:21:54 PM
Surr: 2-Fluorobiphenyl	71.4	50 - 150		%Rec	1	7/28/2021 2:21:54 PM
Surr: o-Terphenyl	74.7	50 - 150		%Rec	1	7/28/2021 2:21:54 PM

Gasoline by NWTPH-Gx

Batch ID: 33152 Analyst: KT

Gasoline	ND	4.72		mg/Kg-dry	1	7/28/2021 2:42:36 PM
Surr: Toluene-d8	94.8	65 - 135		%Rec	1	7/28/2021 2:42:36 PM
Surr: 4-Bromofluorobenzene	85.4	65 - 135		%Rec	1	7/28/2021 2:42:36 PM

Sample Moisture (Percent Moisture)

Batch ID: R68856 Analyst: OK

Percent Moisture	9.35	0.500		wt%	1	7/28/2021 9:22:21 AM
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Work Order: 2107432
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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		



Date: 7/29/2021

Work Order: 2107432
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Work Order: 2107432
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-E23-E18-155	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: T8-S25-E07-143	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				

Work Order: 2107432
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33152	SampType: LCS	Units: µg/L	Prep Date: 7/28/2021	RunNo: 68892							
Client ID: LCSS	Batch ID: 33152		Analysis Date: 7/28/2021	SeqNo: 1393765							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.985	0.0250	1.000	0	98.5	64.3	140				
1,1-Dichloroethene	0.927	0.100	1.000	0	92.7	66.7	134				
trans-1,2-Dichloroethene	0.921	0.0300	1.000	0	92.1	81.6	120				
cis-1,2-Dichloroethene	0.927	0.0250	1.000	0	92.7	80.4	117				
Trichloroethene (TCE)	1.00	0.0200	1.000	0	100	83.7	117				
Tetrachloroethene (PCE)	1.07	0.0400	1.000	0	107	84.7	119				
Surr: Dibromofluoromethane	1.18		1.250		94.6	80	120				
Surr: Toluene-d8	1.20		1.250		96.1	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.34		1.250		107	80	120				

Sample ID: MB-33152	SampType: MBLK	Units: mg/Kg	Prep Date: 7/28/2021	RunNo: 68892							
Client ID: MBLKS	Batch ID: 33152		Analysis Date: 7/28/2021	SeqNo: 1393764							
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		95.3	80	120				
Surr: Toluene-d8	1.16		1.250		93.1	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.11		1.250		89.1	80	120				

Sample ID: 2107432-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/28/2021	RunNo: 68892							
Client ID: T8-E23-E18-155	Batch ID: 33152		Analysis Date: 7/28/2021	SeqNo: 1393757							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0124						0		30	

Work Order: 2107432
 CLIENT: Aspect Consulting
 Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2107432-002BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 7/28/2021	RunNo: 68892							
Client ID: T8-E23-E18-155	Batch ID: 33152	Analysis Date: 7/28/2021	SeqNo: 1393757								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0494						0		30	
trans-1,2-Dichloroethene	ND	0.0148						0		30	
cis-1,2-Dichloroethene	ND	0.0124						0		30	
Trichloroethene (TCE)	ND	0.00988						0		30	
Tetrachloroethene (PCE)	ND	0.0198						0		30	
Surr: Dibromofluoromethane	0.591		0.6175		95.7	80	120		0		
Surr: Toluene-d8	0.571		0.6175		92.5	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.560		0.6175		90.7	80	120		0		

Sample ID: 2107432-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 7/28/2021	RunNo: 68892							
Client ID: T8-E25-E20-155	Batch ID: 33152	Analysis Date: 7/28/2021	SeqNo: 1393759								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.889	0.0222	0.8865	0	100	41.9	145				
1,1-Dichloroethene	1.12	0.0887	0.8865	0	126	62.1	135				
trans-1,2-Dichloroethene	1.07	0.0266	0.8865	0	121	65.4	137				
cis-1,2-Dichloroethene	1.05	0.0222	0.8865	0	119	81.9	124				
Trichloroethene (TCE)	1.14	0.0177	0.8865	0	128	79	130				
Tetrachloroethene (PCE)	1.23	0.0355	0.8865	0	138	77.2	128				S
Surr: Dibromofluoromethane	1.02		1.108		91.9	80	120				
Surr: Toluene-d8	1.06		1.108		95.3	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.108		108	80	120				

NOTES:

S - Spike recovery indicates a possible matrix effect. The method is in control as indicated by the Laboratory Control Sample (LCS).

Client Name: **AC**

 Work Order Number: **2107432**

 Logged by: **Gabrielle Coeuille**

 Date Received: **7/27/2021 5:04:00 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	0.1

* 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: 7/27/21

Page: 1 of 1

Project Name: Skanska The First Redevelopment

Laboratory Project No (Internal): 2107432
Special Remarks: Edit per AC 7/28/21 - gac

Client: Aspect Consulting

Address: 710 2nd Ave Ste. 550

City, State, zip: Seattle, WA 98104

Location: Report To: Ali Cochran, Analyt. Dept

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

PM Email: a.cochran@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes														Comments
					VOCS (EPA 8260 / 824)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 825)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)***	EDs (8011)	PCE and Break		
1 TB-TD-13	7/27/21	1200	A	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2 TB-E23-E1B-155		1500	S	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3 TB-E25-E2A-155		1510	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4 TB-E24-E23-155		1520	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5 TB-S25-E07-143		1375	S	1	X	X	X	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): 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 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) *B. Call* Print Name: BATE Call Date/Time: 7/27/21 1646

Relinquished (Signature) *Alanna Bash* Print Name: Alanna Bash Date/Time: 7/27/21 1304



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: Skanska The Eight Redevelopment
Work Order Number: 2107454**

July 29, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 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

CC:
Amelia Oates

*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: 07/29/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2107454

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2107454-001	T8-S24-E12-141	07/28/2021 3:50 PM	07/28/2021 5:41 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 7/28/2021 3:50:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2107454-001

Matrix: Soil

Client Sample ID: T8-S24-E12-141

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	52.3		mg/Kg-dry	1	7/29/2021 3:25:02 PM
Heavy Oil	ND	105		mg/Kg-dry	1	7/29/2021 3:25:02 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	7/29/2021 3:25:02 PM
Surr: 2-Fluorobiphenyl	86.9	50 - 150		%Rec	1	7/29/2021 3:25:02 PM
Surr: o-Terphenyl	92.9	50 - 150		%Rec	1	7/29/2021 3:25:02 PM

Gasoline by NWTPH-Gx

Batch ID: 33152 Analyst: KT

Gasoline	ND	4.20		mg/Kg-dry	1	7/29/2021 9:08:31 AM
Surr: Toluene-d8	95.0	65 - 135		%Rec	1	7/29/2021 9:08:31 AM
Surr: 4-Bromofluorobenzene	89.3	65 - 135		%Rec	1	7/29/2021 9:08:31 AM

Sample Moisture (Percent Moisture)

Batch ID: R68888 Analyst: KJ

Percent Moisture	7.18	0.500		wt%	1	7/29/2021 9:19:33 AM
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Work Order: 2107454
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S24-E12-141	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: T8-S24-E12-141	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		



Date: 7/29/2021

Work Order: 2107454
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S24-E12-141	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

Work Order: 2107454
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: **2107454**

 Logged by: **Gabrielle Coeuille**

 Date Received: **7/28/2021 5:41:00 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	0.3

* 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: 7/28/21 Page: 1 of 1

Project Name: Skanska Tr. E&T Redevelopment

Project No: 190987

Collected by: Baxter Call

Location:

Report To (PM): Air Columns, Amiee O'AS

PM Email: aodhene@skanska.com aodhene@fremontanalytical.com

Laboratory Project No (Internal): 2107454

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)	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
TB-S24-ETZ-111	7/28/21	1558	S	3	X	X											

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SO = 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 _____

Relinquished (Signature) _____ Print Name _____ Date/Time _____

Relinquished (Signature) _____ Print Name _____ 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: Skanska The Eight Redevelopment
Work Order Number: 2108167**

August 12, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 8/12/2021 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:

Amelia Oates
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*

Revision v1



Date: 08/12/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2108167

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108167-001	T8-S30-E26-148	08/12/2021 7:50 AM	08/12/2021 11:11 AM
2108167-002	T8-S29-E20-148	08/12/2021 8:00 AM	08/12/2021 11:11 AM
2108167-003	T8-S29-E23-148	08/12/2021 9:45 AM	08/12/2021 11:11 AM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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.

8/12/2021: Revision 1 includes correction to sample ID.

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: Skanska The Eight Redevelopment

Lab ID: 2108167-001

Collection Date: 8/12/2021 7:50:00 AM

Client Sample ID: T8-S30-E26-148

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: 33338 Analyst: MM

Diesel (Fuel Oil)	ND	52.9		mg/Kg-dry	1	8/12/2021 2:45:59 PM
Heavy Oil	ND	106		mg/Kg-dry	1	8/12/2021 2:45:59 PM
Total Petroleum Hydrocarbons	ND	159		mg/Kg-dry	1	8/12/2021 2:45:59 PM
Surr: 2-Fluorobiphenyl	87.3	50 - 150		%Rec	1	8/12/2021 2:45:59 PM
Surr: o-Terphenyl	87.2	50 - 150		%Rec	1	8/12/2021 2:45:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R69196 Analyst: cb

Percent Moisture	11.9	0.500		wt%	1	8/12/2021 11:49:34 AM
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Lab ID: 2108167-002

Collection Date: 8/12/2021 8:00:00 AM

Client Sample ID: T8-S29-E20-148

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: 33338 Analyst: MM

Diesel (Fuel Oil)	2,650	53.2		mg/Kg-dry	1	8/12/2021 3:24:43 PM
Heavy Oil	ND	106		mg/Kg-dry	1	8/12/2021 3:24:43 PM
Total Petroleum Hydrocarbons	2,650	159		mg/Kg-dry	1	8/12/2021 3:24:43 PM
Surr: 2-Fluorobiphenyl	90.3	50 - 150		%Rec	1	8/12/2021 3:24:43 PM
Surr: o-Terphenyl	108	50 - 150		%Rec	1	8/12/2021 3:24:43 PM

Sample Moisture (Percent Moisture)

Batch ID: R69196 Analyst: cb

Percent Moisture	17.8	0.500		wt%	1	8/12/2021 11:49:34 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2108167-003

Collection Date: 8/12/2021 9:45:00 AM

Client Sample ID: T8-S29-E23-148

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33338		Analyst: MM
Diesel (Fuel Oil)	ND	51.0		mg/Kg-dry	1	8/12/2021 3:37:48 PM
Heavy Oil	ND	102		mg/Kg-dry	1	8/12/2021 3:37:48 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	8/12/2021 3:37:48 PM
Surr: 2-Fluorobiphenyl	74.1	50 - 150		%Rec	1	8/12/2021 3:37:48 PM
Surr: o-Terphenyl	78.0	50 - 150		%Rec	1	8/12/2021 3:37:48 PM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R69196		Analyst: cb
Percent Moisture	11.1	0.500		wt%	1	8/12/2021 11:49:34 AM

Work Order: 2108167
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-33338	SampType: MBLK	Units: mg/Kg				Prep Date: 8/12/2021	RunNo: 69187				
Client ID: MBLKS	Batch ID: 33338					Analysis Date: 8/12/2021	SeqNo: 1401687				
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	9.47		10.00		94.7	50	150				

Sample ID: LCS-33338	SampType: LCS	Units: mg/Kg				Prep Date: 8/12/2021	RunNo: 69187				
Client ID: LCSS	Batch ID: 33338					Analysis Date: 8/12/2021	SeqNo: 1401688				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	483	150	500.0	0	96.6	77.2	122				
Surr: 2-Fluorobiphenyl	9.11		10.00		91.1	50	150				
Surr: o-Terphenyl	11.8		10.00		118	50	150				

Sample ID: 2108167-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/12/2021	RunNo: 69187				
Client ID: T8-S30-E26-148	Batch ID: 33338					Analysis Date: 8/12/2021	SeqNo: 1401690				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	540	160	534.1	0	101	68	132				
Surr: 2-Fluorobiphenyl	10.3		10.68		96.4	50	150				
Surr: o-Terphenyl	12.7		10.68		119	50	150				

Sample ID: 2108167-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 8/12/2021	RunNo: 69187				
Client ID: T8-S30-E26-148	Batch ID: 33338					Analysis Date: 8/12/2021	SeqNo: 1401691				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	510	161	535.1	0	95.4	68	132	539.9	5.61	30	
Surr: 2-Fluorobiphenyl	10.4		10.70		96.8	50	150		0		
Surr: o-Terphenyl	12.8		10.70		120	50	150		0		

Work Order: 2108167
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2108167-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/12/2021	RunNo: 69187							
Client ID: T8-S30-E26-148	Batch ID: 33338		Analysis Date: 8/12/2021	SeqNo: 1401691							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Client Name: **AC**

 Work Order Number: **2108167**

 Logged by: **Brianna Barnes**

 Date Received: **8/12/2021 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	4.4

* 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: 8/12/21

Page: 1 of 1

Laboratory Project No (Internal):

2108169

Project Name: Skanska The Eight Redevelopment

Special Remarks:

Collected by: ~~AS~~ ASK Ashley Rivers

Location:

Report To (PM): Air Cochran Amelia Stokes

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

PM Email: acocochran@aspectconsulting.com acocochran@aspectconsulting.com

Client: Aspect Consulting
Address: 710 2nd Ave Ste 550
City, State, zip: Seattle, WA, 98109

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 (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 TB-530-E26-14B	8/12/21	0750	S	3													
2 TB-529-E26-14B		0800															
3 TB-521-E23-14B		0915															PID = 54.0
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 Fluoride Nitrate+Nitrite O-Phosphate
 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 *Barker Call* Date/Time *8/12/21* Received (Signature) *Justin Morte* Print Name *Justin Morte* Date/Time *8/12/21 11:11*

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



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Skanska The Eight Redevelopment

Work Order Number: 2108218

August 17, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 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)

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:
Amelia Oates



Date: 08/17/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2108218

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108218-001	T8-TB-14	08/16/2021 2:00 PM	08/16/2021 2:41 PM
2108218-002	T8-S27-E19-139	08/16/2021 11:10 AM	08/16/2021 2:41 PM
2108218-003	T8-S26-E18-139	08/16/2021 11:20 AM	08/16/2021 2:41 PM
2108218-004	T8-S27-E18-134	08/16/2021 1:25 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: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2108218-001

Collection Date: 8/16/2021 2:00:00 PM

Client Sample ID: T8-TB-14

Matrix: Soil

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

Batch ID: 33347

Analyst: KT

Vinyl chloride	ND	0.0250		mg/Kg	1	8/16/2021 6:34:09 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	8/16/2021 6:34:09 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	8/16/2021 6:34:09 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	8/16/2021 6:34:09 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	8/16/2021 6:34:09 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	8/16/2021 6:34:09 PM
Surr: Dibromofluoromethane	106	75.5 - 119		%Rec	1	8/16/2021 6:34:09 PM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	8/16/2021 6:34:09 PM
Surr: 1-Bromo-4-fluorobenzene	91.2	78.5 - 118		%Rec	1	8/16/2021 6:34:09 PM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2108218-002

Collection Date: 8/16/2021 11:10:00 AM

Client Sample ID: T8-S27-E19-139

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	52.2		mg/Kg-dry	1	8/17/2021 11:40:26 AM
Heavy Oil	ND	104		mg/Kg-dry	1	8/17/2021 11:40:26 AM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	8/17/2021 11:40:26 AM
Surr: 2-Fluorobiphenyl	96.8	50 - 150		%Rec	1	8/17/2021 11:40:26 AM
Surr: o-Terphenyl	100	50 - 150		%Rec	1	8/17/2021 11:40:26 AM

<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33347	Analyst: KT
Gasoline	ND	4.60		mg/Kg-dry	1	8/16/2021 9:34:56 PM
Surr: Toluene-d8	97.2	65 - 135		%Rec	1	8/16/2021 9:34:56 PM
Surr: 4-Bromofluorobenzene	86.8	65 - 135		%Rec	1	8/16/2021 9:34:56 PM

<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33347	Analyst: KT
Vinyl chloride	ND	0.0230		mg/Kg-dry	1	8/16/2021 9:34:56 PM
1,1-Dichloroethene	ND	0.0919		mg/Kg-dry	1	8/16/2021 9:34:56 PM
trans-1,2-Dichloroethene	ND	0.0276		mg/Kg-dry	1	8/16/2021 9:34:56 PM
cis-1,2-Dichloroethene	ND	0.0230		mg/Kg-dry	1	8/16/2021 9:34:56 PM
Trichloroethene (TCE)	ND	0.0184		mg/Kg-dry	1	8/16/2021 9:34:56 PM
Tetrachloroethene (PCE)	ND	0.0368		mg/Kg-dry	1	8/16/2021 9:34:56 PM
Surr: Dibromofluoromethane	105	75.5 - 119		%Rec	1	8/16/2021 9:34:56 PM
Surr: Toluene-d8	99.3	82.4 - 115		%Rec	1	8/16/2021 9:34:56 PM
Surr: 1-Bromo-4-fluorobenzene	89.9	78.5 - 118		%Rec	1	8/16/2021 9:34:56 PM

<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69269	Analyst: OK
Percent Moisture	8.38	0.500		wt%	1	8/17/2021 8:29:13 AM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2108218-003

Collection Date: 8/16/2021 11:20:00 AM

Client Sample ID: T8-S26-E18-139

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	53.2		mg/Kg-dry	1	8/17/2021 11:53:11 AM
Heavy Oil	ND	106		mg/Kg-dry	1	8/17/2021 11:53:11 AM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	8/17/2021 11:53:11 AM
Surr: 2-Fluorobiphenyl	97.3	50 - 150		%Rec	1	8/17/2021 11:53:11 AM
Surr: o-Terphenyl	101	50 - 150		%Rec	1	8/17/2021 11:53:11 AM

Gasoline by NWTPH-Gx

Batch ID: 33347

Analyst: KT

Gasoline	ND	7.38		mg/Kg-dry	1	8/16/2021 10:35:11 PM
Gasoline Range Organics (C6-C12)	8.91	7.38		mg/Kg-dry	1	8/16/2021 10:35:11 PM
Surr: Toluene-d8	98.0	65 - 135		%Rec	1	8/16/2021 10:35:11 PM
Surr: 4-Bromofluorobenzene	87.7	65 - 135		%Rec	1	8/16/2021 10:35:11 PM

NOTES:

GRO - Indicates the presence of unresolved compounds in the gasoline range. Pattern does not resemble a known petroleum distillate.

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33347

Analyst: KT

Vinyl chloride	ND	0.0369		mg/Kg-dry	1	8/16/2021 10:35:11 PM
1,1-Dichloroethene	ND	0.148		mg/Kg-dry	1	8/16/2021 10:35:11 PM
trans-1,2-Dichloroethene	ND	0.0443		mg/Kg-dry	1	8/16/2021 10:35:11 PM
cis-1,2-Dichloroethene	ND	0.0369		mg/Kg-dry	1	8/16/2021 10:35:11 PM
Trichloroethene (TCE)	ND	0.0295		mg/Kg-dry	1	8/16/2021 10:35:11 PM
Tetrachloroethene (PCE)	ND	0.0590		mg/Kg-dry	1	8/16/2021 10:35:11 PM
Surr: Dibromofluoromethane	109	75.5 - 119		%Rec	1	8/16/2021 10:35:11 PM
Surr: Toluene-d8	99.7	82.4 - 115		%Rec	1	8/16/2021 10:35:11 PM
Surr: 1-Bromo-4-fluorobenzene	90.6	78.5 - 118		%Rec	1	8/16/2021 10:35:11 PM

Sample Moisture (Percent Moisture)

Batch ID: R69269

Analyst: OK

Percent Moisture	7.85	0.500		wt%	1	8/17/2021 8:29:13 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2108218-004

Collection Date: 8/16/2021 1:25:00 PM

Client Sample ID: T8-S27-E18-134

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	47.5		mg/Kg-dry	1	8/17/2021 12:05:54 PM
Heavy Oil	ND	95.0		mg/Kg-dry	1	8/17/2021 12:05:54 PM
Total Petroleum Hydrocarbons	ND	143		mg/Kg-dry	1	8/17/2021 12:05:54 PM
Surr: 2-Fluorobiphenyl	96.1	50 - 150		%Rec	1	8/17/2021 12:05:54 PM
Surr: o-Terphenyl	101	50 - 150		%Rec	1	8/17/2021 12:05:54 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33347		Analyst: KT
Gasoline	ND	4.98		mg/Kg-dry	1	8/16/2021 11:05:18 PM
Surr: Toluene-d8	96.9	65 - 135		%Rec	1	8/16/2021 11:05:18 PM
Surr: 4-Bromofluorobenzene	86.1	65 - 135		%Rec	1	8/16/2021 11:05:18 PM

<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 33347		Analyst: KT
Vinyl chloride	ND	0.0249		mg/Kg-dry	1	8/16/2021 11:05:18 PM
1,1-Dichloroethene	ND	0.0997		mg/Kg-dry	1	8/16/2021 11:05:18 PM
trans-1,2-Dichloroethene	ND	0.0299		mg/Kg-dry	1	8/16/2021 11:05:18 PM
cis-1,2-Dichloroethene	ND	0.0249		mg/Kg-dry	1	8/16/2021 11:05:18 PM
Trichloroethene (TCE)	ND	0.0199		mg/Kg-dry	1	8/16/2021 11:05:18 PM
Tetrachloroethene (PCE)	ND	0.0399		mg/Kg-dry	1	8/16/2021 11:05:18 PM
Surr: Dibromofluoromethane	106	75.5 - 119		%Rec	1	8/16/2021 11:05:18 PM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	8/16/2021 11:05:18 PM
Surr: 1-Bromo-4-fluorobenzene	89.1	78.5 - 118		%Rec	1	8/16/2021 11:05:18 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R69269		Analyst: OK
Percent Moisture	8.18	0.500		wt%	1	8/17/2021 8:29:13 AM

Work Order: 2108218
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S27-E19-139	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: T8-S27-E19-139	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: 2108218
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S27-E19-139	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: 2108218
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S27-E19-139	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: 2108218
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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				

Work Order: 2108218
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33347	SampType: LCS	Units: mg/Kg				Prep Date: 8/16/2021	RunNo: 69270				
Client ID: LCSS	Batch ID: 33347					Analysis Date: 8/16/2021	SeqNo: 1403284				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.09	0.0250	1.000	0	109	80	120				
1,1-Dichloroethene	1.18	0.100	1.000	0	118	80	120				
trans-1,2-Dichloroethene	1.18	0.0300	1.000	0	118	80	120				
cis-1,2-Dichloroethene	1.18	0.0250	1.000	0	118	80	120				
Trichloroethene (TCE)	1.03	0.0200	1.000	0	103	80	120				
Tetrachloroethene (PCE)	1.08	0.0400	1.000	0	108	80	120				
Surr: Dibromofluoromethane	1.43		1.250		114	75.5	120				
Surr: Toluene-d8	1.42		1.250		113	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.42		1.250		113	78.5	120				

Sample ID: MB-33347	SampType: MBLK	Units: mg/Kg				Prep Date: 8/16/2021	RunNo: 69270				
Client ID: MBLKS	Batch ID: 33347					Analysis Date: 8/16/2021	SeqNo: 1403283				
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	1.28		1.250		102	75.5	119				
Surr: Toluene-d8	1.24		1.250		99.3	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.14		1.250		91.0	78.5	118				

Sample ID: 2108207-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 8/16/2021	RunNo: 69270				
Client ID: BATCH	Batch ID: 33347					Analysis Date: 8/16/2021	SeqNo: 1403267				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0197						0		30	

Work Order: 2108218
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108207-001BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 8/16/2021		RunNo: 69270			
Client ID: BATCH		Batch ID: 33347				Analysis Date: 8/16/2021		SeqNo: 1403267			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0789						0		30	
trans-1,2-Dichloroethene	ND	0.0237						0		30	
cis-1,2-Dichloroethene	ND	0.0197						0		30	
Trichloroethene (TCE)	ND	0.0158						0		30	
Tetrachloroethene (PCE)	ND	0.0316						0		30	
Surr: Dibromofluoromethane	1.08		0.9866		109	75.5	119		0		
Surr: Toluene-d8	0.997		0.9866		101	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.912		0.9866		92.5	78.5	118		0		

Sample ID: 2108218-002BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 8/16/2021		RunNo: 69270			
Client ID: T8-S27-E19-139		Batch ID: 33347				Analysis Date: 8/16/2021		SeqNo: 1403270			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0230						0		30	
1,1-Dichloroethene	ND	0.0919						0		30	
trans-1,2-Dichloroethene	ND	0.0276						0		30	
cis-1,2-Dichloroethene	ND	0.0230						0		30	
Trichloroethene (TCE)	ND	0.0184						0		30	
Tetrachloroethene (PCE)	ND	0.0368						0		30	
Surr: Dibromofluoromethane	1.24		1.149		108	75.5	119		0		
Surr: Toluene-d8	1.15		1.149		99.7	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.05		1.149		91.4	78.5	118		0		

Sample ID: 2108206-001BMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 8/16/2021		RunNo: 69270			
Client ID: BATCH		Batch ID: 33347				Analysis Date: 8/17/2021		SeqNo: 1403265			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.3	0.225	9.004	0	125	50.3	134				D
1,1-Dichloroethene	10.8	0.900	9.004	0	120	62.2	138				D

Work Order: 2108218
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108206-001BMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 8/16/2021		RunNo: 69270			
Client ID: BATCH		Batch ID: 33347				Analysis Date: 8/17/2021		SeqNo: 1403265			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	10.2	0.270	9.004	0	114	70.2	132				D
cis-1,2-Dichloroethene	10.0	0.225	9.004	0	111	79.6	125				D
Trichloroethene (TCE)	9.06	0.180	9.004	0	101	78.9	132				D
Tetrachloroethene (PCE)	9.38	0.360	9.004	0	104	77.7	131				D
Surr: Dibromofluoromethane	11.9		11.26		106	75.5	119				D
Surr: Toluene-d8	11.5		11.26		102	82.4	115				D
Surr: 1-Bromo-4-fluorobenzene	12.6		11.26		112	78.5	118				D

Client Name: AC	Work Order Number: 2108218
Logged by: Gabrielle Coeuille	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? 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	3.2

* 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
Laboratory Project No (Internal): 2108218

Project Name: Svenska Tr Eight Redevelopment
Special Remarks:

Project No: 180587

Collected by: Baxter Call

Address: 710 2nd Ave, Ste 570
City, State, Zip: Seattle, WA, 98104

Location:
Report To (PM): Ali Cochran, Amelia Oates

PM Email: acochran@aspectconsulting.com, amelia.oates@aspectconsulting.com

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

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	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)	cVOCs									
1 TB-TB-14	8/16/21	1400	A	1																						
2 TB-S27-E19-139		1100	S	3		X		X																		
3 TB-S26-E18-139		1120		↓																						
4 TP-S27-E18-134		1325		↓																						
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 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 Same Day
 2 Day (specify)

Relinquished (Signature) x B Call Print Name Baxter Call Date/Time 8/16/21 1350 Received (Signature) x [Signature] Print Name [Signature] Date/Time 8/16/21
 Relinquished (Signature) x [Signature] Print Name [Signature] Date/Time 8/16/21 14:41



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: Skanska The Eight Redevelopment
Work Order Number: 2108238

August 18, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 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)
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:
Amelia Oates

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: Skanska The Eight Redevelopment
Work Order: 2108238

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108238-001	T8-TB-15	08/17/2021 10:50 AM	08/17/2021 1:15 PM
2108238-002	T8-S27-E17-139	08/17/2021 8:35 AM	08/17/2021 1:15 PM
2108238-003	T8-S28-E18-139	08/17/2021 8:45 AM	08/17/2021 1:15 PM
2108238-004	T8-S29-E23-145	08/17/2021 10:30 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: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2108238-001

Collection Date: 8/17/2021 10:50:00 AM

Client Sample ID: T8-TB-15

Matrix: Soil

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

Batch ID: 33391

Analyst: KT

Vinyl chloride	ND	0.0250		mg/Kg	1	8/17/2021 10:20:51 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	8/17/2021 10:20:51 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	8/17/2021 10:20:51 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	8/17/2021 10:20:51 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	8/17/2021 10:20:51 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	8/17/2021 10:20:51 PM
Surr: Dibromofluoromethane	94.4	75.5 - 119		%Rec	1	8/17/2021 10:20:51 PM
Surr: Toluene-d8	98.6	82.4 - 115		%Rec	1	8/17/2021 10:20:51 PM
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118		%Rec	1	8/17/2021 10:20:51 PM



CLIENT: Aspect Consulting

Project: Skanska The Eight Redevelopment

Lab ID: 2108238-002

Collection Date: 8/17/2021 8:35:00 AM

Client Sample ID: T8-S27-E17-139

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	47.0		mg/Kg-dry	1	8/17/2021 4:52:15 PM
Heavy Oil	ND	94.1		mg/Kg-dry	1	8/17/2021 4:52:15 PM
Total Petroleum Hydrocarbons	ND	141		mg/Kg-dry	1	8/17/2021 4:52:15 PM
Surr: 2-Fluorobiphenyl	83.4	50 - 150		%Rec	1	8/17/2021 4:52:15 PM
Surr: o-Terphenyl	88.1	50 - 150		%Rec	1	8/17/2021 4:52:15 PM

Gasoline by NWTPH-Gx

Batch ID: 33391

Analyst: KT

Gasoline	ND	4.25		mg/Kg-dry	1	8/18/2021 12:55:29 AM
Surr: Toluene-d8	92.8	65 - 135		%Rec	1	8/18/2021 12:55:29 AM
Surr: 4-Bromofluorobenzene	96.8	65 - 135		%Rec	1	8/18/2021 12:55:29 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33391

Analyst: KT

Vinyl chloride	ND	0.0213		mg/Kg-dry	1	8/18/2021 12:55:29 AM
1,1-Dichloroethene	ND	0.0851		mg/Kg-dry	1	8/18/2021 12:55:29 AM
trans-1,2-Dichloroethene	ND	0.0255		mg/Kg-dry	1	8/18/2021 12:55:29 AM
cis-1,2-Dichloroethene	ND	0.0213		mg/Kg-dry	1	8/18/2021 12:55:29 AM
Trichloroethene (TCE)	ND	0.0170		mg/Kg-dry	1	8/18/2021 12:55:29 AM
Tetrachloroethene (PCE)	ND	0.0340		mg/Kg-dry	1	8/18/2021 12:55:29 AM
Surr: Dibromofluoromethane	95.1	75.5 - 119		%Rec	1	8/18/2021 12:55:29 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	8/18/2021 12:55:29 AM
Surr: 1-Bromo-4-fluorobenzene	96.7	78.5 - 118		%Rec	1	8/18/2021 12:55:29 AM

Sample Moisture (Percent Moisture)

Batch ID: R69284

Analyst: ALB

Percent Moisture	4.67	0.500		wt%	1	8/17/2021 1:53:47 PM
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CLIENT: Aspect Consulting

Project: Skanska The Eight Redevelopment

Lab ID: 2108238-003

Collection Date: 8/17/2021 8:45:00 AM

Client Sample ID: T8-S28-E18-139

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	51.2		mg/Kg-dry	1	8/17/2021 5:05:11 PM
Heavy Oil	ND	102		mg/Kg-dry	1	8/17/2021 5:05:11 PM
Total Petroleum Hydrocarbons	ND	154		mg/Kg-dry	1	8/17/2021 5:05:11 PM
Surr: 2-Fluorobiphenyl	86.0	50 - 150		%Rec	1	8/17/2021 5:05:11 PM
Surr: o-Terphenyl	90.7	50 - 150		%Rec	1	8/17/2021 5:05:11 PM

Gasoline by NWTPH-Gx

Batch ID: 33391

Analyst: KT

Gasoline	ND	6.44		mg/Kg-dry	1	8/18/2021 1:26:20 AM
Surr: Toluene-d8	93.5	65 - 135		%Rec	1	8/18/2021 1:26:20 AM
Surr: 4-Bromofluorobenzene	96.4	65 - 135		%Rec	1	8/18/2021 1:26:20 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33391

Analyst: KT

Vinyl chloride	ND	0.0322		mg/Kg-dry	1	8/18/2021 1:26:20 AM
1,1-Dichloroethene	ND	0.129		mg/Kg-dry	1	8/18/2021 1:26:20 AM
trans-1,2-Dichloroethene	ND	0.0386		mg/Kg-dry	1	8/18/2021 1:26:20 AM
cis-1,2-Dichloroethene	ND	0.0322		mg/Kg-dry	1	8/18/2021 1:26:20 AM
Trichloroethene (TCE)	ND	0.0257		mg/Kg-dry	1	8/18/2021 1:26:20 AM
Tetrachloroethene (PCE)	ND	0.0515		mg/Kg-dry	1	8/18/2021 1:26:20 AM
Surr: Dibromofluoromethane	94.3	75.5 - 119		%Rec	1	8/18/2021 1:26:20 AM
Surr: Toluene-d8	99.8	82.4 - 115		%Rec	1	8/18/2021 1:26:20 AM
Surr: 1-Bromo-4-fluorobenzene	96.4	78.5 - 118		%Rec	1	8/18/2021 1:26:20 AM

Sample Moisture (Percent Moisture)

Batch ID: R69284

Analyst: ALB

Percent Moisture	8.15	0.500		wt%	1	8/17/2021 1:53:47 PM
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CLIENT: Aspect Consulting

Project: Skanska The Eight Redevelopment

Lab ID: 2108238-004

Collection Date: 8/17/2021 10:30:00 AM

Client Sample ID: T8-S29-E23-145

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	51.6		mg/Kg-dry	1	8/17/2021 5:31:41 PM
Heavy Oil	ND	103		mg/Kg-dry	1	8/17/2021 5:31:41 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	8/17/2021 5:31:41 PM
Surr: 2-Fluorobiphenyl	84.5	50 - 150		%Rec	1	8/17/2021 5:31:41 PM
Surr: o-Terphenyl	89.0	50 - 150		%Rec	1	8/17/2021 5:31:41 PM

Sample Moisture (Percent Moisture)

Batch ID: R69284

Analyst: ALB

Percent Moisture	9.14	0.500		wt%	1	8/17/2021 1:53:47 PM
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Work Order: 2108238
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 2108238
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 2108238
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: BATCH	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				



Date: 8/18/2021

Work Order: 2108238
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33391	SampType: LCS	Units: mg/Kg	Prep Date: 8/17/2021	RunNo: 69301							
Client ID: LCSS	Batch ID: 33391		Analysis Date: 8/17/2021	SeqNo: 1404058							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	1.08	0.0250	1.000	0	108	80	120				
1,1-Dichloroethene	1.09	0.100	1.000	0	109	80	120				
trans-1,2-Dichloroethene	1.06	0.0300	1.000	0	106	80	120				
cis-1,2-Dichloroethene	1.05	0.0250	1.000	0	105	80	120				
Trichloroethene (TCE)	1.06	0.0200	1.000	0	106	80	120				
Tetrachloroethene (PCE)	1.08	0.0400	1.000	0	108	80	120				
Surr: Dibromofluoromethane	1.33		1.250		106	75.5	120				
Surr: Toluene-d8	1.29		1.250		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.32		1.250		106	78.5	120				

Sample ID: MB-33391	SampType: MBLK	Units: mg/Kg	Prep Date: 8/17/2021	RunNo: 69301							
Client ID: MBLKS	Batch ID: 33391		Analysis Date: 8/17/2021	SeqNo: 1404040							
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		95.3	75.5	119				
Surr: Toluene-d8	1.24		1.250		99.3	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		99.7	78.5	118				

Sample ID: 2108204-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/17/2021	RunNo: 69301							
Client ID: BATCH	Batch ID: 33391		Analysis Date: 8/17/2021	SeqNo: 1404043							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.0216						0		30	
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Work Order: 2108238
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108204-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/17/2021	RunNo: 69301							
Client ID: BATCH	Batch ID: 33391		Analysis Date: 8/17/2021	SeqNo: 1404043							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0865						0		30	
trans-1,2-Dichloroethene	ND	0.0260						0		30	
cis-1,2-Dichloroethene	ND	0.0216						0		30	
Trichloroethene (TCE)	ND	0.0173						0		30	
Tetrachloroethene (PCE)	ND	0.0346						0		30	
Surr: Dibromofluoromethane	1.01		1.081		93.2	75.5	119		0		
Surr: Toluene-d8	1.08		1.081		99.5	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.01		1.081		93.0	78.5	118		0		

Sample ID: 2108204-013BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/17/2021	RunNo: 69301							
Client ID: BATCH	Batch ID: 33391		Analysis Date: 8/18/2021	SeqNo: 1404048							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.758	0.0201	0.8046	0	94.2	50.3	134				
1,1-Dichloroethene	0.789	0.0805	0.8046	0	98.1	62.2	138				
trans-1,2-Dichloroethene	0.812	0.0241	0.8046	0	101	70.2	132				
cis-1,2-Dichloroethene	0.824	0.0201	0.8046	0	102	79.6	125				
Trichloroethene (TCE)	0.819	0.0161	0.8046	0	102	78.9	132				
Tetrachloroethene (PCE)	0.818	0.0322	0.8046	0	102	77.7	131				
Surr: Dibromofluoromethane	1.04		1.006		103	75.5	119				
Surr: Toluene-d8	1.01		1.006		100	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.03		1.006		102	78.5	118				

Client Name: **AC**

 Work Order Number: **2108238**

 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



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F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting

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

**RE: Skanska The Eight Redevelopment
Work Order Number: 2108260**

August 19, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 8/18/2021 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

*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: 08/19/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2108260

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108260-001	T8-S21-E14-136	08/18/2021 1:20 PM	08/18/2021 3:00 PM
2108260-002	T8-S22-E12-136	08/18/2021 1:30 PM	08/18/2021 3:00 PM

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

Original

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 8/18/2021 1:20:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2108260-001

Matrix: Soil

Client Sample ID: T8-S21-E14-136

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33412

Analyst: CR

Gasoline	ND	6.36	2.54		mg/Kg-dry	1	08/19/21 2:55:33
Surr: Toluene-d8	95.2	65 - 135			%Rec	1	08/19/21 2:55:33
Surr: 4-Bromofluorobenzene	93.2	65 - 135			%Rec	1	08/19/21 2:55:33

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33412

Analyst: CR

Tetrachloroethene (PCE)	ND	0.0509	0.00600		mg/Kg-dry	1	08/19/21 2:55:33
Surr: Dibromofluoromethane	94.7	75.5 - 119	0		%Rec	1	08/19/21 2:55:33
Surr: Toluene-d8	102	82.4 - 115	0		%Rec	1	08/19/21 2:55:33
Surr: 1-Bromo-4-fluorobenzene	93.2	78.5 - 118	0		%Rec	1	08/19/21 2:55:33

Sample Moisture (Percent Moisture)

Batch ID: R69318

Analyst: ALB

Percent Moisture	8.01	0.500	0.100		wt%	1	08/18/21 14:17:52
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Client: Aspect Consulting

Collection Date: 8/18/2021 1:30:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2108260-002

Matrix: Soil

Client Sample ID: T8-S22-E12-136

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33412

Analyst: CR

Gasoline	ND	6.47	2.59		mg/Kg-dry	1	08/19/21 3:26:29
Surr: Toluene-d8	92.9	65 - 135			%Rec	1	08/19/21 3:26:29
Surr: 4-Bromofluorobenzene	93.9	65 - 135			%Rec	1	08/19/21 3:26:29

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33412

Analyst: CR

Tetrachloroethene (PCE)	0.00817	0.0518	0.00610	J	mg/Kg-dry	1	08/19/21 3:26:29
Surr: Dibromofluoromethane	93.3	75.5 - 119	0		%Rec	1	08/19/21 3:26:29
Surr: Toluene-d8	100	82.4 - 115	0		%Rec	1	08/19/21 3:26:29
Surr: 1-Bromo-4-fluorobenzene	93.9	78.5 - 118	0		%Rec	1	08/19/21 3:26:29

Sample Moisture (Percent Moisture)

Batch ID: R69318

Analyst: ALB

Percent Moisture	7.67	0.500	0.100		wt%	1	08/18/21 14:17:52
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Work Order: 2108260
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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	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	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: 2108260
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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				

Work Order: 2108260
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33412	SampType: LCS	Units: mg/Kg			Prep Date: 8/18/2021	RunNo: 69337					
Client ID: LCSS	Batch ID: 33412				Analysis Date: 8/18/2021	SeqNo: 1405082					
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	1.30		1.250		104	75.5	120				
Surr: Toluene-d8	1.24		1.250		99.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.33		1.250		106	78.5	120				

Sample ID: MB-33412	SampType: MBLK	Units: mg/Kg			Prep Date: 8/18/2021	RunNo: 69337					
Client ID: MBLKS	Batch ID: 33412				Analysis Date: 8/18/2021	SeqNo: 1405084					
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		94.6	75.5	119				
Surr: Toluene-d8	1.23		1.250		98.6	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.33		1.250		106	78.5	118				

Sample ID: 2108245-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/18/2021	RunNo: 69337					
Client ID: BATCH	Batch ID: 33412				Analysis Date: 8/18/2021	SeqNo: 1405086					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0402						0	0	30	
Surr: Dibromofluoromethane	1.17		1.256		93.1	75.5	119		0		
Surr: Toluene-d8	1.30		1.256		103	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.20		1.256		95.5	78.5	118		0		

Sample ID: 2108254-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/18/2021	RunNo: 69337					
Client ID: BATCH	Batch ID: 33412				Analysis Date: 8/18/2021	SeqNo: 1405097					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0302						0	0	30	
Surr: Dibromofluoromethane	0.913		0.9450		96.6	75.5	119		0		

Work Order: 2108260
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108254-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/18/2021	RunNo: 69337							
Client ID: BATCH	Batch ID: 33412		Analysis Date: 8/18/2021	SeqNo: 1405097							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8	0.983		0.9450		104	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.881		0.9450		93.2	78.5	118		0		

Sample ID: 2108245-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/18/2021	RunNo: 69337							
Client ID: BATCH	Batch ID: 33412		Analysis Date: 8/18/2021	SeqNo: 1405099							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Tetrachloroethene (PCE)	1.39	0.0497	1.242	0	112	77.7	131				
Surr: Dibromofluoromethane	1.62		1.553		104	75.5	119				
Surr: Toluene-d8	1.57		1.553		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.51		1.553		97.4	78.5	118				

Client Name: **AC**

 Work Order Number: **2108260**

 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



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Seattle, WA 98103
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info@fremontanalytical.com

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

RE: Skanska The Eight Redevelopment
Work Order Number: 2108297

August 23, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 8/20/2021 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:
Amelia Oates

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

Revision v1

www.fremontanalytical.com



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2108297

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108297-001	T8-S29-E22-148	08/20/2021 7:43 AM	08/20/2021 1:26 PM
2108297-002	T8-S27-E20-140	08/20/2021 10:39 AM	08/20/2021 1:26 PM
2108297-003	T8-S29-E24-143	08/20/2021 11:07 AM	08/20/2021 1:26 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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.

8/23/2021: Revision 1 includes sample ID correction.

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: Skanska The Eight Redevelopment

Lab ID: 2108297-001

Collection Date: 8/20/2021 7:43:00 AM

Client Sample ID: T8-S29-E22-148

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: 33445 Analyst: IH

Diesel (Fuel Oil)	ND	46.7		mg/Kg-dry	1	8/20/2021 9:33:15 PM
Heavy Oil	ND	93.4		mg/Kg-dry	1	8/20/2021 9:33:15 PM
Total Petroleum Hydrocarbons	ND	140		mg/Kg-dry	1	8/20/2021 9:33:15 PM
Surr: 2-Fluorobiphenyl	77.5	50 - 150		%Rec	1	8/20/2021 9:33:15 PM
Surr: o-Terphenyl	90.5	50 - 150		%Rec	1	8/20/2021 9:33:15 PM

Sample Moisture (Percent Moisture)

Batch ID: R69389 Analyst: cb

Percent Moisture	8.22	0.500		wt%	1	8/20/2021 3:12:30 PM
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Lab ID: 2108297-003

Collection Date: 8/20/2021 11:07:00 AM

Client Sample ID: T8-S29-E24-143

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: 33445 Analyst: IH

Diesel (Fuel Oil)	ND	49.6		mg/Kg-dry	1	8/20/2021 9:46:11 PM
Heavy Oil	ND	99.3		mg/Kg-dry	1	8/20/2021 9:46:11 PM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	8/20/2021 9:46:11 PM
Surr: 2-Fluorobiphenyl	87.1	50 - 150		%Rec	1	8/20/2021 9:46:11 PM
Surr: o-Terphenyl	99.7	50 - 150		%Rec	1	8/20/2021 9:46:11 PM

Sample Moisture (Percent Moisture)

Batch ID: R69389 Analyst: cb

Percent Moisture	7.50	0.500		wt%	1	8/20/2021 3:12:30 PM
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Work Order: 2108297
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-33445	SampType: MBLK	Units: mg/Kg				Prep Date: 8/20/2021	RunNo: 69407				
Client ID: MBLKS	Batch ID: 33445					Analysis Date: 8/20/2021	SeqNo: 1406294				
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	7.74		10.00		77.4	50	150				
Surr: o-Terphenyl	8.90		10.00		89.0	50	150				

Sample ID: LCS-33445	SampType: LCS	Units: mg/Kg				Prep Date: 8/20/2021	RunNo: 69407				
Client ID: LCSS	Batch ID: 33445					Analysis Date: 8/20/2021	SeqNo: 1406295				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	494	150	500.0	0	98.8	77.2	122				
Surr: 2-Fluorobiphenyl	8.54		10.00		85.4	50	150				
Surr: o-Terphenyl	10.7		10.00		107	50	150				

Sample ID: 2108290-025AMS	SampType: MS	Units: mg/Kg				Prep Date: 8/20/2021	RunNo: 69407				
Client ID: BATCH	Batch ID: 33445					Analysis Date: 8/20/2021	SeqNo: 1406309				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	425	127	424.4	0	100	68	132				
Surr: 2-Fluorobiphenyl	8.01		8.489		94.3	50	150				
Surr: o-Terphenyl	10.8		8.489		127	50	150				

Sample ID: 2108290-025AMSD	SampType: MSD	Units: mg/Kg				Prep Date: 8/20/2021	RunNo: 69407				
Client ID: BATCH	Batch ID: 33445					Analysis Date: 8/20/2021	SeqNo: 1406310				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	441	133	444.8	0	99.1	68	132	425.1	3.63	30	
Surr: 2-Fluorobiphenyl	7.04		8.897		79.1	50	150		0		
Surr: o-Terphenyl	9.40		8.897		106	50	150		0		

Work Order: 2108297
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2108290-025AMSD	SampType: MSD	Units: mg/Kg	Prep Date: 8/20/2021	RunNo: 69407							
Client ID: BATCH	Batch ID: 33445	Analysis Date: 8/20/2021	SeqNo: 1406310								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2108290-016ADUP	SampType: DUP	Units: mg/Kg	Prep Date: 8/20/2021	RunNo: 69407							
Client ID: BATCH	Batch ID: 33445	Analysis Date: 8/20/2021	SeqNo: 1406317								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	43.3						0		30	
Heavy Oil	506	86.5						1,818	113	30	R
Total Petroleum Hydrocarbons	506	130						1,818	113	30	R
Surr: 2-Fluorobiphenyl	7.05		8.651		81.5	50	150		0		
Surr: o-Terphenyl	7.80		8.651		90.2	50	150		0		

NOTES:
R - High RPD due to sample inhomogeneity.

Client Name: AC	Work Order Number: 2108297
Logged by: Clare Griggs	Date Received: 8/20/2021 1:26:00 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 * Unknown prior to receipt. 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	20.1

* 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: Skanska The Eight Redevelopment
Work Order Number: 2108335

August 24, 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.
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:
Amelia Oates

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: 08/24/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2108335

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108335-001	T8-S25-E22-140	08/24/2021 7:45 AM	08/24/2021 11:11 AM

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

Original

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 8/24/2021 7:45:00 AM

Project: Skanska The Eight Redevelopment

Lab ID: 2108335-001

Matrix: Soil

Client Sample ID: T8-S25-E22-140

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

Batch ID: 33474

Analyst: MM

Diesel (Fuel Oil)	ND	49.7		mg/Kg-dry	1	8/24/2021 3:11:06 PM
Heavy Oil	ND	99.4		mg/Kg-dry	1	8/24/2021 3:11:06 PM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	8/24/2021 3:11:06 PM
Surr: 2-Fluorobiphenyl	78.4	50 - 150		%Rec	1	8/24/2021 3:11:06 PM
Surr: o-Terphenyl	86.6	50 - 150		%Rec	1	8/24/2021 3:11:06 PM

Sample Moisture (Percent Moisture)

Batch ID: R69446

Analyst: ALB

Percent Moisture	8.99	0.500		wt%	1	8/24/2021 11:28:03 AM
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Work Order: 2108335
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: 2108335
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Client Name: AC	Work Order Number: 2108335
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: 8/24/21 Page: 1 of 1
Project Name: Skanska To Eight Redevelopment
Project No: 130587
Laboratory Project No (Internal): 2108335

Client: Aspect Consulting

Address: 710 2nd Ave, Ste 550

City, State, Zip: Seattle, WA, 98109

Telephone:

Collected by: Ali Cochrane, Amelia Oakes
Location: Baker Call
Report To (Print): Baker Call

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

PM Email: acocohrane@aspectconsulting.com
Date: 8/24/21

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
TS-S25-E22-140	8/24/21	0745	S	3													

*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) *Baker Call* Date/Time 8/24/21 0940
 Print Name Baker Call
 Received (Signature) *Justine Mandy Justice Mandy* Date/Time 8/24 11:11
 Print Name Justice Mandy



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Skanska The Eight Redevelopment

Work Order Number: 2108399

August 30, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 8/27/2021 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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2108399

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108399-001	T8-S94-E94-136	08/27/2021 12:00 PM	08/27/2021 3:18 PM
2108399-002	T8-S20-E15-136	08/27/2021 1:05 PM	08/27/2021 3:18 PM
2108399-003	T8-S19-E14-136	08/27/2021 1:15 PM	08/27/2021 3:18 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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 12:00:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2108399-001

Matrix: Soil

Client Sample ID: T8-S94-E94-136

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33526

Analyst: KT

Gasoline	ND	7.78		mg/Kg-dry	1	8/27/2021 4:36:59 PM
Surr: Toluene-d8	94.9	65 - 135		%Rec	1	8/27/2021 4:36:59 PM
Surr: 4-Bromofluorobenzene	86.1	65 - 135		%Rec	1	8/27/2021 4:36:59 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33526

Analyst: KT

Tetrachloroethene (PCE)	ND	0.0622		mg/Kg-dry	1	8/27/2021 4:36:59 PM
Surr: Dibromofluoromethane	100	75.5 - 119		%Rec	1	8/27/2021 4:36:59 PM
Surr: Toluene-d8	96.0	82.4 - 115		%Rec	1	8/27/2021 4:36:59 PM
Surr: 1-Bromo-4-fluorobenzene	89.6	78.5 - 118		%Rec	1	8/27/2021 4:36:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R69554

Analyst: KJ

Percent Moisture	8.40	0.500		wt%	1	8/27/2021 3:04:19 PM
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Client: Aspect Consulting

Collection Date: 8/27/2021 1:05:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2108399-002

Matrix: Soil

Client Sample ID: T8-S20-E15-136

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33526

Analyst: KT

Gasoline	ND	5.40		mg/Kg-dry	1	8/27/2021 5:37:11 PM
Surr: Toluene-d8	95.4	65 - 135		%Rec	1	8/27/2021 5:37:11 PM
Surr: 4-Bromofluorobenzene	85.8	65 - 135		%Rec	1	8/27/2021 5:37:11 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33526

Analyst: KT

Tetrachloroethene (PCE)	ND	0.0432		mg/Kg-dry	1	8/27/2021 5:37:11 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	8/27/2021 5:37:11 PM
Surr: Toluene-d8	97.5	82.4 - 115		%Rec	1	8/27/2021 5:37:11 PM
Surr: 1-Bromo-4-fluorobenzene	89.3	78.5 - 118		%Rec	1	8/27/2021 5:37:11 PM

Sample Moisture (Percent Moisture)

Batch ID: R69554

Analyst: KJ

Percent Moisture	8.00	0.500		wt%	1	8/27/2021 3:04:19 PM
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Client: Aspect Consulting

Collection Date: 8/27/2021 1:15:00 PM

Project: Skanska The Eight Redevelopment

Lab ID: 2108399-003

Matrix: Soil

Client Sample ID: T8-S19-E14-136

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33526

Analyst: KT

Gasoline	ND	5.73		mg/Kg-dry	1	8/27/2021 6:07:20 PM
Surr: Toluene-d8	95.6	65 - 135		%Rec	1	8/27/2021 6:07:20 PM
Surr: 4-Bromofluorobenzene	85.6	65 - 135		%Rec	1	8/27/2021 6:07:20 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33526

Analyst: KT

Tetrachloroethene (PCE)	ND	0.0459		mg/Kg-dry	1	8/27/2021 6:07:20 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	8/27/2021 6:07:20 PM
Surr: Toluene-d8	97.8	82.4 - 115		%Rec	1	8/27/2021 6:07:20 PM
Surr: 1-Bromo-4-fluorobenzene	89.1	78.5 - 118		%Rec	1	8/27/2021 6:07:20 PM

Sample Moisture (Percent Moisture)

Batch ID: R69554

Analyst: KJ

Percent Moisture	7.37	0.500		wt%	1	8/27/2021 3:04:19 PM
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Work Order: 2108399
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33526	SampType: LCS	Units: mg/Kg			Prep Date: 8/27/2021	RunNo: 69558					
Client ID: LCSS	Batch ID: 33526				Analysis Date: 8/27/2021	SeqNo: 1409965					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.4	5.00	25.00	0	93.8	65	135				
Surr: Toluene-d8	1.23		1.250		98.8	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		103	65	135				

Sample ID: MB-33526	SampType: MBLK	Units: mg/Kg			Prep Date: 8/27/2021	RunNo: 69558					
Client ID: MBLKS	Batch ID: 33526				Analysis Date: 8/27/2021	SeqNo: 1409966					
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		95.2	65	135				
Surr: 4-Bromofluorobenzene	1.11		1.250		89.0	65	135				

Sample ID: 2108399-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/27/2021	RunNo: 69558					
Client ID: T8-S94-E94-136	Batch ID: 33526				Analysis Date: 8/27/2021	SeqNo: 1409959					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	7.78						0		30	
Surr: Toluene-d8	1.84		1.944		94.6	65	135		0		
Surr: 4-Bromofluorobenzene	1.67		1.944		86.0	65	135		0		

Sample ID: 2108399-003BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 8/27/2021	RunNo: 69558					
Client ID: T8-S19-E14-136	Batch ID: 33526				Analysis Date: 8/27/2021	SeqNo: 1409962					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	21.6	5.73	28.66	0	75.5	65	135				
Surr: Toluene-d8	1.41		1.433		98.5	65	135				
Surr: 4-Bromofluorobenzene	1.44		1.433		101	65	135				

Work Order: 2108399
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33526	SampType: LCS	Units: µg/L				Prep Date: 8/27/2021	RunNo: 69557				
Client ID: LCSS	Batch ID: 33526					Analysis Date: 8/27/2021	SeqNo: 1409956				
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	1.38		1.250		110	75.5	120				
Surr: Toluene-d8	1.38		1.250		110	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.39		1.250		111	78.5	120				

Sample ID: MB-33526	SampType: MBLK	Units: mg/Kg				Prep Date: 8/27/2021	RunNo: 69557				
Client ID: MBLKS	Batch ID: 33526					Analysis Date: 8/27/2021	SeqNo: 1409955				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.28		1.250		102	75.5	119				
Surr: Toluene-d8	1.22		1.250		97.7	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.16		1.250		92.7	78.5	118				

Sample ID: 2108399-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 8/27/2021	RunNo: 69557				
Client ID: T8-S94-E94-136	Batch ID: 33526					Analysis Date: 8/27/2021	SeqNo: 1409949				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0622						0		30	
Surr: Dibromofluoromethane	1.99		1.944		102	75.5	119		0		
Surr: Toluene-d8	1.89		1.944		97.5	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.74		1.944		89.6	78.5	118		0		

Sample ID: 2108399-003BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 8/27/2021	RunNo: 69557				
Client ID: T8-S19-E14-136	Batch ID: 33526					Analysis Date: 8/27/2021	SeqNo: 1409952				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.06	0.0459	1.146	0	92.1	77.7	131				
Surr: Dibromofluoromethane	1.48		1.433		103	75.5	119				

Work Order: 2108399
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2108399-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/27/2021	RunNo: 69557							
Client ID: T8-S19-E14-136	Batch ID: 33526	Analysis Date: 8/27/2021	SeqNo: 1409952								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.43		1.433		100	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.59		1.433		111	78.5	118				

Client Name: **AC**

 Work Order Number: **2108399**

 Logged by: **Gabrielle Coeuille**

 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 1	4.6

* 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: Skanska The Eight Redevelopment
Work Order Number: 2108430

September 01, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 8/30/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Hydrocarbon Identification by NWTPH-HCID
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:
Amelia Oates



Date: 09/02/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2108430

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108430-001	T8-S03-E17-144	08/28/2021 10:55 AM	08/30/2021 4:50 PM
2108430-002	T8-S20-E08-137	08/30/2021 11:05 AM	08/30/2021 4:50 PM
2108430-003	T8-S31-E18-134	08/30/2021 2:10 PM	08/30/2021 4:50 PM
2108430-004	T8-TB-16		08/30/2021 4:50 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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.

9/2/2021: Revision 1 includes a 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: Skanska The Eight Redevelopment

Lab ID: 2108430-001

Collection Date: 8/28/2021 10:55:00 AM

Client Sample ID: T8-S03-E17-144

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33553	Analyst: MM
Diesel (Fuel Oil)	63.0	52.3		mg/Kg-dry	1	8/31/2021 11:47:28 AM
Heavy Oil	ND	105		mg/Kg-dry	1	8/31/2021 11:47:28 AM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	8/31/2021 11:47:28 AM
Surr: 2-Fluorobiphenyl	88.4	50 - 150		%Rec	1	8/31/2021 11:47:28 AM
Surr: o-Terphenyl	90.9	50 - 150		%Rec	1	8/31/2021 11:47:28 AM
<u>Hydrocarbon Identification by NWTPH-HCID</u>					Batch ID: 33553	Analyst: MM
Gasoline	ND	31.4		mg/Kg-dry	1	8/31/2021 11:47:28 AM
Mineral Spirits	ND	52.3		mg/Kg-dry	1	8/31/2021 11:47:28 AM
Kerosene	ND	52.3		mg/Kg-dry	1	8/31/2021 11:47:28 AM
Diesel (Fuel Oil)	DETECT	52.3		mg/Kg-dry	1	8/31/2021 11:47:28 AM
Heavy Oil	ND	105		mg/Kg-dry	1	8/31/2021 11:47:28 AM
Mineral Oil	ND	105		mg/Kg-dry	1	8/31/2021 11:47:28 AM
Surr: 2-Fluorobiphenyl	88.4	50 - 150		%Rec	1	8/31/2021 11:47:28 AM
Surr: o-Terphenyl	90.9	50 - 150		%Rec	1	8/31/2021 11:47:28 AM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33554	Analyst: CR
Gasoline	ND	3.77		mg/Kg-dry	1	8/31/2021 7:23:07 PM
Surr: Toluene-d8	97.6	65 - 135		%Rec	1	8/31/2021 7:23:07 PM
Surr: 4-Bromofluorobenzene	107	65 - 135		%Rec	1	8/31/2021 7:23:07 PM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69592	Analyst: OK
Percent Moisture	6.70	0.500		wt%	1	8/31/2021 8:53:05 AM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2108430-002

Collection Date: 8/30/2021 11:05:00 AM

Client Sample ID: T8-S20-E08-137

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33553		Analyst: MM
Diesel (Fuel Oil)	ND	54.4		mg/Kg-dry	1	8/31/2021 12:48:23 PM
Heavy Oil	ND	109		mg/Kg-dry	1	8/31/2021 12:48:23 PM
Total Petroleum Hydrocarbons	ND	163		mg/Kg-dry	1	8/31/2021 12:48:23 PM
Surr: 2-Fluorobiphenyl	75.3	50 - 150		%Rec	1	8/31/2021 12:48:23 PM
Surr: o-Terphenyl	84.1	50 - 150		%Rec	1	8/31/2021 12:48:23 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33554		Analyst: CR
Gasoline	ND	5.94		mg/Kg-dry	1	9/1/2021 8:21:31 AM
Surr: Toluene-d8	99.1	65 - 135		%Rec	1	9/1/2021 8:21:31 AM
Surr: 4-Bromofluorobenzene	116	65 - 135		%Rec	1	9/1/2021 8:21:31 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R69592		Analyst: OK
Percent Moisture	8.16	0.500		wt%	1	8/31/2021 8:53:05 AM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2108430-003

Collection Date: 8/30/2021 2:10:00 PM

Client Sample ID: T8-S31-E18-134

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	50.2		mg/Kg-dry	1	8/31/2021 1:01:05 PM
Heavy Oil	ND	100		mg/Kg-dry	1	8/31/2021 1:01:05 PM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	8/31/2021 1:01:05 PM
Surr: 2-Fluorobiphenyl	75.9	50 - 150		%Rec	1	8/31/2021 1:01:05 PM
Surr: o-Terphenyl	84.9	50 - 150		%Rec	1	8/31/2021 1:01:05 PM

Gasoline by NWTPH-Gx

Batch ID: 33554

Analyst: CR

Gasoline	ND	4.60		mg/Kg-dry	1	9/1/2021 8:52:19 AM
Surr: Toluene-d8	97.3	65 - 135		%Rec	1	9/1/2021 8:52:19 AM
Surr: 4-Bromofluorobenzene	105	65 - 135		%Rec	1	9/1/2021 8:52:19 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33554

Analyst: CR

Vinyl chloride	ND	0.0230		mg/Kg-dry	1	8/31/2021 8:24:41 PM
1,1-Dichloroethene	ND	0.0921		mg/Kg-dry	1	8/31/2021 8:24:41 PM
trans-1,2-Dichloroethene	ND	0.0276		mg/Kg-dry	1	8/31/2021 8:24:41 PM
cis-1,2-Dichloroethene	ND	0.0230		mg/Kg-dry	1	8/31/2021 8:24:41 PM
Trichloroethene (TCE)	ND	0.0184		mg/Kg-dry	1	8/31/2021 8:24:41 PM
Tetrachloroethene (PCE)	ND	0.0368		mg/Kg-dry	1	8/31/2021 8:24:41 PM
Surr: Dibromofluoromethane	91.5	75.5 - 119		%Rec	1	8/31/2021 8:24:41 PM
Surr: Toluene-d8	107	82.4 - 115		%Rec	1	8/31/2021 8:24:41 PM
Surr: 1-Bromo-4-fluorobenzene	97.9	78.5 - 118		%Rec	1	8/31/2021 8:24:41 PM

Sample Moisture (Percent Moisture)

Batch ID: R69592

Analyst: OK

Percent Moisture	8.80	0.500		wt%	1	8/31/2021 8:53:05 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2108430-004

Collection Date:

Client Sample ID: T8-TB-16

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

Vinyl chloride	ND	0.0250		mg/Kg	1	8/31/2021 5:20:01 PM
1,1-Dichloroethene	ND	0.100		mg/Kg	1	8/31/2021 5:20:01 PM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg	1	8/31/2021 5:20:01 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg	1	8/31/2021 5:20:01 PM
Trichloroethene (TCE)	ND	0.0200		mg/Kg	1	8/31/2021 5:20:01 PM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg	1	8/31/2021 5:20:01 PM
Surr: Dibromofluoromethane	94.7	75.5 - 119		%Rec	1	8/31/2021 5:20:01 PM
Surr: Toluene-d8	99.8	82.4 - 115		%Rec	1	8/31/2021 5:20:01 PM
Surr: 1-Bromo-4-fluorobenzene	108	78.5 - 118		%Rec	1	8/31/2021 5:20:01 PM

Work Order: 2108430
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S03-E17-144	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: T8-S03-E17-144	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: 9/1/2021

Work Order: 2108430
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S03-E17-144	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

Work Order: 2108430
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Hydrocarbon Identification by NWTPH-HCID

Sample ID: MB-33553	SampType: MBLK	Units: mg/Kg		Prep Date: 8/31/2021	RunNo: 69623						
Client ID: MBLKS	Batch ID: 33553			Analysis Date: 8/31/2021	SeqNo: 1411295						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	30.0									
Mineral Spirits	ND	50.0									
Kerosene	ND	50.0									
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Mineral Oil	ND	100									
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: 69623						
Client ID: LCSS	Batch ID: 33553			Analysis Date: 8/31/2021	SeqNo: 1411296						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	499	50.0	500.0	0	99.8	65	135				
Surr: 2-Fluorobiphenyl	7.49		10.00		74.9	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Sample ID: 2108431-002ADUP	SampType: DUP	Units: mg/Kg-dry		Prep Date: 8/31/2021	RunNo: 69623						
Client ID: BATCH	Batch ID: 33553			Analysis Date: 8/31/2021	SeqNo: 1411375						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	28.6						0		30	
Mineral Spirits	ND	47.7						0		30	
Kerosene	ND	47.7						0		30	
Diesel (Fuel Oil)	ND	47.7						0		30	
Heavy Oil	ND	95.5						0		30	
Mineral Oil	ND	95.5						0		30	
Surr: 2-Fluorobiphenyl	6.03		9.550		63.1	50	150		0		
Surr: o-Terphenyl	6.64		9.550		69.5	50	150		0		

Work Order: 2108430
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Hydrocarbon Identification by NWTPH-HCID

Sample ID: 2108431-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/31/2021	RunNo: 69623							
Client ID: BATCH	Batch ID: 33553		Analysis Date: 8/31/2021	SeqNo: 1411375							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2108430
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33554	SampType: LCS	Units: mg/Kg			Prep Date: 8/31/2021	RunNo: 69630					
Client ID: LCSS	Batch ID: 33554				Analysis Date: 8/31/2021	SeqNo: 1411477					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	28.3	5.00	25.00	0	113	65	135				
Surr: Toluene-d8	1.21		1.250		97.1	65	135				
Surr: 4-Bromofluorobenzene	1.34		1.250		107	65	135				

Sample ID: MB-33554	SampType: MBLK	Units: mg/Kg			Prep Date: 8/31/2021	RunNo: 69630					
Client ID: MBLKS	Batch ID: 33554				Analysis Date: 8/31/2021	SeqNo: 1411478					
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	1.37		1.250		110	65	135				

Sample ID: 2108388-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/31/2021	RunNo: 69630					
Client ID: BATCH	Batch ID: 33554				Analysis Date: 8/31/2021	SeqNo: 1411480					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.81						0		30	
Surr: Toluene-d8	1.16		1.202		96.1	65	135		0		
Surr: 4-Bromofluorobenzene	1.24		1.202		103	65	135		0		

Sample ID: 2108396-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 8/31/2021	RunNo: 69630					
Client ID: BATCH	Batch ID: 33554				Analysis Date: 8/31/2021	SeqNo: 1411485					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	3.40						5.884	65.1	30	
Surr: Toluene-d8	0.844		0.8508		99.2	65	135		0		
Surr: 4-Bromofluorobenzene	0.877		0.8508		103	65	135		0		

Work Order: 2108430
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2108430-001BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 8/31/2021	RunNo: 69630							
Client ID: T8-S03-E17-144	Batch ID: 33554		Analysis Date: 9/1/2021	SeqNo: 1411486							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	137	3.77	18.85	0	725	65	135				S
Surr: Toluene-d8	0.929		0.9426		98.6	65	135				
Surr: 4-Bromofluorobenzene	1.02		0.9426		108	65	135				

NOTES:

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

Work Order: 2108430
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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
Vinyl chloride	0.904	0.0250	1.000	0	90.4	80	120				
1,1-Dichloroethene	0.929	0.100	1.000	0	92.9	80	120				
trans-1,2-Dichloroethene	0.932	0.0300	1.000	0	93.2	80	120				
cis-1,2-Dichloroethene	0.954	0.0250	1.000	0	95.4	80	120				
Trichloroethene (TCE)	0.928	0.0200	1.000	0	92.8	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	1.23		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
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		98.4	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
Vinyl chloride	ND	0.0240						0		30	

Work Order: 2108430
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

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
1,1-Dichloroethene	ND	0.0962						0		30	
trans-1,2-Dichloroethene	ND	0.0289						0		30	
cis-1,2-Dichloroethene	ND	0.0240						0		30	
Trichloroethene (TCE)	ND	0.0192						0		30	
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
Vinyl chloride	ND	0.0170						0		30	
1,1-Dichloroethene	ND	0.0681						0		30	
trans-1,2-Dichloroethene	ND	0.0204						0		30	
cis-1,2-Dichloroethene	ND	0.0170						0		30	
Trichloroethene (TCE)	ND	0.0136						0		30	
Tetrachloroethene (PCE)	ND	0.0272						0		30	
Surr: Dibromofluoromethane	0.842		0.8508		98.9	75.5	119		0		
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
Vinyl chloride	0.616	0.0187	0.7481	0	82.3	50.3	134				
1,1-Dichloroethene	0.741	0.0748	0.7481	0	99.0	62.2	138				

Work Order: 2108430
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

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

trans-1,2-Dichloroethene	0.726	0.0224	0.7481	0	97.1	70.2	132				
cis-1,2-Dichloroethene	0.750	0.0187	0.7481	0	100	79.6	125				
Trichloroethene (TCE)	0.701	0.0150	0.7481	0	93.7	78.9	132				
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: **2108430**

 Logged by: **Gabrielle Coeulle**

 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" value="Ali Cochrane"/>	Date:	<input type="text" value="8/31/2021"/>
By Whom:	<input type="text" value="Gabrielle Coeulle"/>	Via:	<input checked="" type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text" value="Confirming both HCID and Dx/ Gx are needed for sample 1?"/>		
Client Instructions:	<input type="text" value="Yes."/>		

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: 8/30/21 Page: 1 of 1

Project Name: Skanska The Eight Redevelopment

Project No: 180587

Collected by: Baxter Call

Location:

Report To (PM): Ali Godhane, Amels Oates

PM Email: ac@www.aspectconsulting.com

ad@www.aspectconsulting.com

Laboratory Project No (Internal): 2108430

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 TB-NST-E17-144	8/28/21	1055	S	3	X	X	X	X	X	X	X	X	X	X	X	X	
2 TB-S20-E08-137	8/30/21	1105	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
3 TB-S31-E18-134		1410	S	1	X	X	X	X	X	X	X	X	X	X	X	X	
4 TB-TB-16		1416	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): 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) *B Call* Print Name *Baxter Call* Date/Time *8/30/21 1535*

Received (Signature) *Justin Mante* Print Name *Justin Mante* Date/Time *8/30 16:30*



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

Chain of Custody Record & Laboratory Services Agreement

Date: 8/30/21 Page: 1 of 1

Project Name: Skanska The Eight Redevelopment

Project No: 180587

Collected by: Baxter Call

Location: Report To (PM): Ali Godhane, Amels Oates

PM Email: aco@fremontanalytical.com

Address: aspectconsulting.com

Laboratory Project No (Internal): 2108430

Special Remarks:

Sample ID update per A.O. 9/1/21 -BB

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 (801)	CVOCs
T8-NS1-E17-144	8/28/21	1055	S	3	X	X	X	X	X	X	X	X	X	X	X	X	X	"T8-S03-E17-144"
T8-S20-E08-137	8/30/21	1105	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	
T8-S31-E18-137		1410	S	1	X	X	X	X	X	X	X	X	X	X	X	X	X	
T8-TB-16		1470	A	1	X	X	X	X	X	X	X	X	X	X	X	X	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): 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.

Relinquished (Signature) *Baxter Call* Print Name *Baxter Call* Date/Time *8/30/21 16:30*

Received (Signature) *Justin Mante* Print Name *Justin Mante* Date/Time *8/30 16:30*



Aspect Consulting

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

**RE: Skanska The Eight Redevelopment
Work Order Number: 2109001**

September 02, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 8/31/2021 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:

Amelia Oates

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2109001

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109001-001	T8-S02-E15-139	08/31/2021 2:20 PM	08/31/2021 5:11 PM
2109001-002	T8-S05-E17-139	08/31/2021 2:25 PM	08/31/2021 5:11 PM
2109001-003	T8-E26-E18-139	08/31/2021 3:15 PM	08/31/2021 5:11 PM
2109001-004	T8-S02-E19-139	08/31/2021 3:20 PM	08/31/2021 5:11 PM
2109001-005	T8-S02-E17-139	08/31/2021 3:30 PM	08/31/2021 5:11 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2109001-001

Collection Date: 8/31/2021 2:20:00 PM

Client Sample ID: T8-S02-E15-139

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: 33567

Analyst: MM

Diesel (Fuel Oil)	ND	50.5		mg/Kg-dry	1	9/1/2021 4:41:28 PM
Heavy Oil	ND	101		mg/Kg-dry	1	9/1/2021 4:41:28 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	9/1/2021 4:41:28 PM
Surr: 2-Fluorobiphenyl	66.8	50 - 150		%Rec	1	9/1/2021 4:41:28 PM
Surr: o-Terphenyl	75.0	50 - 150		%Rec	1	9/1/2021 4:41:28 PM

Gasoline by NWTPH-Gx

Batch ID: 33561

Analyst: KT

Gasoline	ND	6.15		mg/Kg-dry	1	9/1/2021 3:15:03 PM
Surr: Toluene-d8	97.5	65 - 135		%Rec	1	9/1/2021 3:15:03 PM
Surr: 4-Bromofluorobenzene	93.8	65 - 135		%Rec	1	9/1/2021 3:15:03 PM

Sample Moisture (Percent Moisture)

Batch ID: R69625

Analyst: KJ

Percent Moisture	5.80	0.500		wt%	1	9/1/2021 9:13:36 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2109001-002

Collection Date: 8/31/2021 2:25:00 PM

Client Sample ID: T8-S05-E17-139

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: 33567

Analyst: MM

Diesel (Fuel Oil)	ND	51.0		mg/Kg-dry	1	9/1/2021 5:20:01 PM
Heavy Oil	ND	102		mg/Kg-dry	1	9/1/2021 5:20:01 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	9/1/2021 5:20:01 PM
Surr: 2-Fluorobiphenyl	66.4	50 - 150		%Rec	1	9/1/2021 5:20:01 PM
Surr: o-Terphenyl	75.5	50 - 150		%Rec	1	9/1/2021 5:20:01 PM

Gasoline by NWTPH-Gx

Batch ID: 33561

Analyst: KT

Gasoline	ND	5.36		mg/Kg-dry	1	9/1/2021 3:45:09 PM
Surr: Toluene-d8	97.0	65 - 135		%Rec	1	9/1/2021 3:45:09 PM
Surr: 4-Bromofluorobenzene	94.9	65 - 135		%Rec	1	9/1/2021 3:45:09 PM

Sample Moisture (Percent Moisture)

Batch ID: R69625

Analyst: KJ

Percent Moisture	4.05	0.500		wt%	1	9/1/2021 9:13:36 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2109001-003

Collection Date: 8/31/2021 3:15:00 PM

Client Sample ID: T8-E26-E18-139

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: 33567

Analyst: MM

Diesel (Fuel Oil)	ND	48.9		mg/Kg-dry	1	9/1/2021 5:32:59 PM
Heavy Oil	ND	97.8		mg/Kg-dry	1	9/1/2021 5:32:59 PM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	9/1/2021 5:32:59 PM
Surr: 2-Fluorobiphenyl	64.1	50 - 150		%Rec	1	9/1/2021 5:32:59 PM
Surr: o-Terphenyl	72.0	50 - 150		%Rec	1	9/1/2021 5:32:59 PM

Gasoline by NWTPH-Gx

Batch ID: 33561

Analyst: KT

Gasoline	ND	4.66		mg/Kg-dry	1	9/1/2021 4:15:16 PM
Surr: Toluene-d8	96.4	65 - 135		%Rec	1	9/1/2021 4:15:16 PM
Surr: 4-Bromofluorobenzene	92.7	65 - 135		%Rec	1	9/1/2021 4:15:16 PM

Sample Moisture (Percent Moisture)

Batch ID: R69625

Analyst: KJ

Percent Moisture	5.67	0.500		wt%	1	9/1/2021 9:13:36 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2109001-004

Collection Date: 8/31/2021 3:20:00 PM

Client Sample ID: T8-S02-E19-139

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: 33567

Analyst: MM

Diesel (Fuel Oil)	ND	51.7		mg/Kg-dry	1	9/1/2021 5:45:48 PM
Heavy Oil	ND	103		mg/Kg-dry	1	9/1/2021 5:45:48 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	9/1/2021 5:45:48 PM
Surr: 2-Fluorobiphenyl	61.9	50 - 150		%Rec	1	9/1/2021 5:45:48 PM
Surr: o-Terphenyl	72.3	50 - 150		%Rec	1	9/1/2021 5:45:48 PM

Gasoline by NWTPH-Gx

Batch ID: 33561

Analyst: KT

Gasoline	ND	5.20		mg/Kg-dry	1	9/1/2021 4:45:24 PM
Surr: Toluene-d8	95.8	65 - 135		%Rec	1	9/1/2021 4:45:24 PM
Surr: 4-Bromofluorobenzene	92.8	65 - 135		%Rec	1	9/1/2021 4:45:24 PM

Sample Moisture (Percent Moisture)

Batch ID: R69625

Analyst: KJ

Percent Moisture	5.29	0.500		wt%	1	9/1/2021 9:13:36 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2109001-005

Collection Date: 8/31/2021 3:30:00 PM

Client Sample ID: T8-S02-E17-139

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: 33567

Analyst: MM

Diesel (Fuel Oil)	ND	45.4		mg/Kg-dry	1	9/1/2021 5:58:39 PM
Heavy Oil	ND	90.7		mg/Kg-dry	1	9/1/2021 5:58:39 PM
Total Petroleum Hydrocarbons	ND	136		mg/Kg-dry	1	9/1/2021 5:58:39 PM
Surr: 2-Fluorobiphenyl	58.4	50 - 150		%Rec	1	9/1/2021 5:58:39 PM
Surr: o-Terphenyl	64.3	50 - 150		%Rec	1	9/1/2021 5:58:39 PM

Gasoline by NWTPH-Gx

Batch ID: 33561

Analyst: KT

Gasoline	ND	5.24		mg/Kg-dry	1	9/1/2021 5:15:31 PM
Surr: Toluene-d8	96.3	65 - 135		%Rec	1	9/1/2021 5:15:31 PM
Surr: 4-Bromofluorobenzene	93.5	65 - 135		%Rec	1	9/1/2021 5:15:31 PM

Sample Moisture (Percent Moisture)

Batch ID: R69625

Analyst: KJ

Percent Moisture	5.15	0.500		wt%	1	9/1/2021 9:13:36 AM
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Work Order: 2109001
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-33567	SampType: MBLK	Units: mg/Kg				Prep Date: 9/1/2021	RunNo: 69665				
Client ID: MBLKS	Batch ID: 33567					Analysis Date: 9/1/2021	SeqNo: 1412153				
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	8.03		10.00		80.3	50	150				
Surr: o-Terphenyl	8.91		10.00		89.1	50	150				

Sample ID: LCS-33567	SampType: LCS	Units: mg/Kg				Prep Date: 9/1/2021	RunNo: 69665				
Client ID: LCSS	Batch ID: 33567					Analysis Date: 9/1/2021	SeqNo: 1412154				
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	99.9	77.2	122				
Surr: 2-Fluorobiphenyl	7.34		10.00		73.4	50	150				
Surr: o-Terphenyl	10.7		10.00		107	50	150				

Sample ID: 2109001-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 9/1/2021	RunNo: 69665				
Client ID: T8-S02-E15-139	Batch ID: 33567					Analysis Date: 9/1/2021	SeqNo: 1412156				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	414	142	471.8	0	87.6	68	132				
Surr: 2-Fluorobiphenyl	5.89		9.436		62.4	50	150				
Surr: o-Terphenyl	9.35		9.436		99.1	50	150				

Sample ID: 2109001-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 9/1/2021	RunNo: 69665				
Client ID: T8-S02-E15-139	Batch ID: 33567					Analysis Date: 9/1/2021	SeqNo: 1412157				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	492	152	505.5	0	97.4	68	132	413.5	17.4	30	
Surr: 2-Fluorobiphenyl	6.17		10.11		61.0	50	150		0		
Surr: o-Terphenyl	10.1		10.11		100	50	150		0		

Work Order: 2109001
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2109001-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 9/1/2021	RunNo: 69665							
Client ID: T8-S02-E15-139	Batch ID: 33567		Analysis Date: 9/1/2021	SeqNo: 1412157							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2109001
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33561	SampType: LCS	Units: mg/Kg			Prep Date: 9/1/2021	RunNo: 69664					
Client ID: LCSS	Batch ID: 33561				Analysis Date: 9/1/2021	SeqNo: 1412148					
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	84.0	65	135				
Surr: Toluene-d8	1.22		1.250		97.7	65	135				
Surr: 4-Bromofluorobenzene	1.34		1.250		107	65	135				

Sample ID: MB-33561	SampType: MBLK	Units: mg/Kg			Prep Date: 9/1/2021	RunNo: 69664					
Client ID: MBLKS	Batch ID: 33561				Analysis Date: 9/1/2021	SeqNo: 1412149					
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		95.7	65	135				
Surr: 4-Bromofluorobenzene	1.17		1.250		93.6	65	135				

Sample ID: 2108393-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/1/2021	RunNo: 69664					
Client ID: BATCH	Batch ID: 33561				Analysis Date: 9/1/2021	SeqNo: 1412125					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.47						0		30	
Surr: Toluene-d8	1.52		1.618		94.2	65	135		0		
Surr: 4-Bromofluorobenzene	1.48		1.618		91.7	65	135		0		

Sample ID: 2108393-011BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/1/2021	RunNo: 69664					
Client ID: BATCH	Batch ID: 33561				Analysis Date: 9/1/2021	SeqNo: 1412123					
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	1.58		1.648		95.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.51		1.648		91.8	65	135		0		

Work Order: 2109001
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2108393-012BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 9/1/2021	RunNo: 69664							
Client ID: BATCH	Batch ID: 33561	Analysis Date: 9/1/2021	SeqNo: 1412129								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	20.6	4.34	21.69	0	95.1	65	135				
Surr: Toluene-d8	1.10		1.084		101	65	135				
Surr: 4-Bromofluorobenzene	1.14		1.084		105	65	135				

Client Name: **AC**

 Work Order Number: **2109001**

 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	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: 8/31/21 Page: 1 of: 1 Laboratory Project No (Internal): 2109001

Project Name: Skanska The Eight Redevelopment Special Remarks:

Project No: 1805B-7

Collected by: Barker GAV

Location: Seattle, WA, 98107

Report To (PM): Ali Cochran, Amelia Oates

PM Email: acochran@aspectanalytical.com aomeaspects@aspectanalytical.com

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 (HX) <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 (Cl)*** <input type="checkbox"/> EOB (8011)	Comments
1 TB-S02-E15-139	8/31/21	1420	S	3	<input checked="" type="checkbox"/>	
2 TB-S05-E17-139		1425			<input checked="" type="checkbox"/>	
3 TB-E26-E18-139		1515			<input checked="" type="checkbox"/>	
4 TB-S02-E19-739		1526			<input checked="" type="checkbox"/>	
5 TB-S02-E17-139		1530			<input checked="" type="checkbox"/>	
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) Barker GAV Print Name Barker GAV Date/Time 8/31/21 1655
 Received (Signature) Alaina Bajah Print Name Alaina Bajah Date/Time 8/31/21 17:11



Aspect Consulting

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

**RE: Skanska The Eight Redevelopment
Work Order Number: 2109086**

September 08, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 9/7/2021 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:
Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2109086

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109086-001	T8-S29-E22-138	09/07/2021 12:25 PM	09/07/2021 5:50 PM
2109086-002	T8-S29-E22-136	09/07/2021 12:35 PM	09/07/2021 5:50 PM
2109086-003	T8-S30-E22-136	09/07/2021 12:40 PM	09/07/2021 5:50 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2109086-001

Collection Date: 9/7/2021 12:25:00 PM

Client Sample ID: T8-S29-E22-138

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: 33629

Analyst: MM

Diesel (Fuel Oil)	2,750	47.4		mg/Kg-dry	1	9/8/2021 11:18:24 AM
Heavy Oil	ND	94.8		mg/Kg-dry	1	9/8/2021 11:18:24 AM
Total Petroleum Hydrocarbons	2,750	142		mg/Kg-dry	1	9/8/2021 11:18:24 AM
Surr: 2-Fluorobiphenyl	75.8	50 - 150		%Rec	1	9/8/2021 11:18:24 AM
Surr: o-Terphenyl	120	50 - 150		%Rec	1	9/8/2021 11:18:24 AM

Sample Moisture (Percent Moisture)

Batch ID: R69767

Analyst: KJ

Percent Moisture	7.16	0.500		wt%	1	9/8/2021 9:24:13 AM
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Lab ID: 2109086-002

Collection Date: 9/7/2021 12:35:00 PM

Client Sample ID: T8-S29-E22-136

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: 33629

Analyst: MM

Diesel (Fuel Oil)	ND	50.9		mg/Kg-dry	1	9/8/2021 11:43:57 AM
Heavy Oil	ND	102		mg/Kg-dry	1	9/8/2021 11:43:57 AM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	9/8/2021 11:43:57 AM
Surr: 2-Fluorobiphenyl	73.9	50 - 150		%Rec	1	9/8/2021 11:43:57 AM
Surr: o-Terphenyl	76.5	50 - 150		%Rec	1	9/8/2021 11:43:57 AM

Sample Moisture (Percent Moisture)

Batch ID: R69767

Analyst: KJ

Percent Moisture	6.90	0.500		wt%	1	9/8/2021 9:24:13 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2109086-003

Collection Date: 9/7/2021 12:40:00 PM

Client Sample ID: T8-S30-E22-136

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: 33629

Analyst: MM

Diesel (Fuel Oil)	ND	50.0		mg/Kg-dry	1	9/8/2021 11:56:43 AM
Heavy Oil	ND	99.9		mg/Kg-dry	1	9/8/2021 11:56:43 AM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	9/8/2021 11:56:43 AM
Surr: 2-Fluorobiphenyl	90.6	50 - 150		%Rec	1	9/8/2021 11:56:43 AM
Surr: o-Terphenyl	89.1	50 - 150		%Rec	1	9/8/2021 11:56:43 AM

Sample Moisture (Percent Moisture)

Batch ID: R69767

Analyst: KJ

Percent Moisture	6.81	0.500		wt%	1	9/8/2021 9:24:13 AM
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Work Order: 2109086
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-33629	SampType: MBLK	Units: mg/Kg			Prep Date: 9/8/2021	RunNo: 69771					
Client ID: MBLKS	Batch ID: 33629				Analysis Date: 9/8/2021	SeqNo: 1414562					
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	10.9		10.00		109	50	150				
Surr: o-Terphenyl	11.4		10.00		114	50	150				

Sample ID: LCS-33629	SampType: LCS	Units: mg/Kg			Prep Date: 9/8/2021	RunNo: 69771					
Client ID: LCSS	Batch ID: 33629				Analysis Date: 9/8/2021	SeqNo: 1414563					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	592	150	500.0	0	118	77.2	122				
Surr: 2-Fluorobiphenyl	8.15		10.00		81.5	50	150				
Surr: o-Terphenyl	11.3		10.00		113	50	150				

Sample ID: 2109086-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 9/8/2021	RunNo: 69771					
Client ID: T8-S29-E22-138	Batch ID: 33629				Analysis Date: 9/8/2021	SeqNo: 1414565					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	2,860	49.7						2,747	3.92	30	
Heavy Oil	ND	99.5						0		30	
Total Petroleum Hydrocarbons	2,860	149						2,747	3.92	30	
Surr: 2-Fluorobiphenyl	7.93		9.945		79.7	50	150		0		
Surr: o-Terphenyl	12.4		9.945		125	50	150		0		

Client Name: **AC**

 Work Order Number: **2109086**

 Logged by: **Brianna Barnes**

 Date Received: **9/7/2021 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	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: 9/7/21 Page: 1 of 1

Project Name: Skanska The Fifth Redevelopment

Project No: 180587

Collected by: Baxter GAV

Location:

Report To (PM): Ali Cochran Amelle Oates

PM Email: acochran@skanska.com oates@aspectconsulting.com

Laboratory Project No (Internal): 2109086

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 (HX)	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 TB-S29-EZ2-138	9/7/21	1225	S	3													
2 TB-S29-EZ2-136		1235	S	1													
3 TB-S30-EZ2-136		1240	S	1													
4 TB-S29-EZ2-136		1250	S	1													No sample
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 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.

Reinquished (Signature) Baxter GAV Print Name Baxter GAV Date/Time 9/7/21 1710

Reinquished (Signature) Kelsey Jones Print Name Kelsey Jones Date/Time 9/7/21 1750



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Skanska T8

Work Order Number: 2109110

September 09, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 9/8/2021 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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska T8
Work Order: 2109110

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109110-001	T8-S29-E24-136	09/08/2021 8:00 AM	09/08/2021 3:18 PM
2109110-002	T8-S29-E23-127	09/08/2021 12:30 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: Skanska T8

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: Skanska T8

Lab ID: 2109110-001

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

Client Sample ID: T8-S29-E24-136

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: 33637

Analyst: IH

Diesel (Fuel Oil)	ND	51.7		mg/Kg-dry	1	9/9/2021 12:41:47 PM
Heavy Oil	ND	103		mg/Kg-dry	1	9/9/2021 12:41:47 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	9/9/2021 12:41:47 PM
Surr: 2-Fluorobiphenyl	68.4	50 - 150		%Rec	1	9/9/2021 12:41:47 PM
Surr: o-Terphenyl	76.2	50 - 150		%Rec	1	9/9/2021 12:41:47 PM

Sample Moisture (Percent Moisture)

Batch ID: R69773

Analyst: ALB

Percent Moisture	4.76	0.500		wt%	1	9/8/2021 2:16:41 PM
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Lab ID: 2109110-002

Collection Date: 9/8/2021 12:30:00 PM

Client Sample ID: T8-S29-E23-127

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: 33637

Analyst: IH

Diesel (Fuel Oil)	ND	50.5		mg/Kg-dry	1	9/9/2021 12:54:39 PM
Heavy Oil	ND	101		mg/Kg-dry	1	9/9/2021 12:54:39 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	9/9/2021 12:54:39 PM
Surr: 2-Fluorobiphenyl	70.2	50 - 150		%Rec	1	9/9/2021 12:54:39 PM
Surr: o-Terphenyl	79.1	50 - 150		%Rec	1	9/9/2021 12:54:39 PM

Sample Moisture (Percent Moisture)

Batch ID: R69773

Analyst: ALB

Percent Moisture	10.2	0.500		wt%	1	9/8/2021 2:16:41 PM
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Work Order: 2109110
 CLIENT: Aspect Consulting
 Project: Skanska T8

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

Sample ID: MB-33637	SampType: MBLK	Units: mg/Kg		Prep Date: 9/8/2021	RunNo: 69801						
Client ID: MBLKS	Batch ID: 33637			Analysis Date: 9/9/2021	SeqNo: 1415191						
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	138	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	7.05		10.00		70.5	50	150				
Surr: o-Terphenyl	7.38		10.00		73.8	50	150				

Sample ID: LCS-33637	SampType: LCS	Units: mg/Kg		Prep Date: 9/8/2021	RunNo: 69801						
Client ID: LCSS	Batch ID: 33637			Analysis Date: 9/9/2021	SeqNo: 1415192						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	423	150	500.0	0	84.5	77.2	122				
Surr: 2-Fluorobiphenyl	7.72		10.00		77.2	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Client Name: **AC**

 Work Order Number: **2109110**

 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



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: Skanska The Eight Redevelopment
Work Order Number: 2109198

September 15, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 6 sample(s) on 9/14/2021 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:
Amelia Oates

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2109198

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109198-001	T8-S26-E23-127	09/14/2021 10:45 AM	09/14/2021 2:52 PM
2109198-002	T8-S26-E23-121	09/14/2021 11:30 AM	09/14/2021 2:52 PM
2109198-003	T8-S26-E21-125	09/14/2021 11:35 AM	09/14/2021 2:52 PM
2109198-004	T8-S27-E23-125	09/14/2021 11:40 AM	09/14/2021 2:52 PM
2109198-005	T8-S26-E25-125	09/14/2021 11:45 AM	09/14/2021 2:52 PM
2109198-006	T8-S25-E23-125	09/14/2021 11:50 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: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2109198-001

Collection Date: 9/14/2021 10:45:00 AM

Client Sample ID: T8-S26-E23-127

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: 33695 Analyst: MM

Diesel (Fuel Oil)	275	47.8		mg/Kg-dry	1	9/14/2021 6:30:52 PM
Heavy Oil	ND	95.5		mg/Kg-dry	1	9/14/2021 6:30:52 PM
Total Petroleum Hydrocarbons	275	143		mg/Kg-dry	1	9/14/2021 6:30:52 PM
Surr: 2-Fluorobiphenyl	66.0	50 - 150		%Rec	1	9/14/2021 6:30:52 PM
Surr: o-Terphenyl	88.0	50 - 150		%Rec	1	9/14/2021 6:30:52 PM

Sample Moisture (Percent Moisture)

Batch ID: R69908 Analyst: ALB

Percent Moisture	8.32	0.500		wt%	1	9/14/2021 3:46:23 PM
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Lab ID: 2109198-002

Collection Date: 9/14/2021 11:30:00 AM

Client Sample ID: T8-S26-E23-121

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: 33695 Analyst: MM

Diesel (Fuel Oil)	ND	46.5		mg/Kg-dry	1	9/14/2021 6:43:39 PM
Heavy Oil	ND	92.9		mg/Kg-dry	1	9/14/2021 6:43:39 PM
Total Petroleum Hydrocarbons	ND	139		mg/Kg-dry	1	9/14/2021 6:43:39 PM
Surr: 2-Fluorobiphenyl	72.1	50 - 150		%Rec	1	9/14/2021 6:43:39 PM
Surr: o-Terphenyl	76.5	50 - 150		%Rec	1	9/14/2021 6:43:39 PM

Sample Moisture (Percent Moisture)

Batch ID: R69908 Analyst: ALB

Percent Moisture	6.14	0.500		wt%	1	9/14/2021 3:46:23 PM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2109198-003

Collection Date: 9/14/2021 11:35:00 AM

Client Sample ID: T8-S26-E21-125

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: 33695

Analyst: MM

Diesel (Fuel Oil)	ND	44.1		mg/Kg-dry	1	9/14/2021 6:56:24 PM
Heavy Oil	ND	88.1		mg/Kg-dry	1	9/14/2021 6:56:24 PM
Total Petroleum Hydrocarbons	ND	132		mg/Kg-dry	1	9/14/2021 6:56:24 PM
Surr: 2-Fluorobiphenyl	69.5	50 - 150		%Rec	1	9/14/2021 6:56:24 PM
Surr: o-Terphenyl	73.2	50 - 150		%Rec	1	9/14/2021 6:56:24 PM

Sample Moisture (Percent Moisture)

Batch ID: R69908

Analyst: ALB

Percent Moisture	5.43	0.500		wt%	1	9/14/2021 3:46:23 PM
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Lab ID: 2109198-004

Collection Date: 9/14/2021 11:40:00 AM

Client Sample ID: T8-S27-E23-125

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: 33695

Analyst: MM

Diesel (Fuel Oil)	ND	49.5		mg/Kg-dry	1	9/14/2021 7:09:12 PM
Heavy Oil	ND	98.9		mg/Kg-dry	1	9/14/2021 7:09:12 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	9/14/2021 7:09:12 PM
Surr: 2-Fluorobiphenyl	78.4	50 - 150		%Rec	1	9/14/2021 7:09:12 PM
Surr: o-Terphenyl	77.2	50 - 150		%Rec	1	9/14/2021 7:09:12 PM

Sample Moisture (Percent Moisture)

Batch ID: R69908

Analyst: ALB

Percent Moisture	6.51	0.500		wt%	1	9/14/2021 3:46:23 PM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2109198-005

Collection Date: 9/14/2021 11:45:00 AM

Client Sample ID: T8-S26-E25-125

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33695	Analyst: MM
Diesel (Fuel Oil)	ND	47.8		mg/Kg-dry	1	9/14/2021 7:21:56 PM
Heavy Oil	ND	95.6		mg/Kg-dry	1	9/14/2021 7:21:56 PM
Total Petroleum Hydrocarbons	ND	143		mg/Kg-dry	1	9/14/2021 7:21:56 PM
Surr: 2-Fluorobiphenyl	73.5	50 - 150		%Rec	1	9/14/2021 7:21:56 PM
Surr: o-Terphenyl	82.9	50 - 150		%Rec	1	9/14/2021 7:21:56 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69908	Analyst: ALB
Percent Moisture	5.66	0.500		wt%	1	9/14/2021 3:46:23 PM

Lab ID: 2109198-006

Collection Date: 9/14/2021 11:50:00 AM

Client Sample ID: T8-S25-E23-125

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 33695	Analyst: MM
Diesel (Fuel Oil)	ND	46.4		mg/Kg-dry	1	9/14/2021 7:34:52 PM
Heavy Oil	ND	92.8		mg/Kg-dry	1	9/14/2021 7:34:52 PM
Total Petroleum Hydrocarbons	ND	139		mg/Kg-dry	1	9/14/2021 7:34:52 PM
Surr: 2-Fluorobiphenyl	84.4	50 - 150		%Rec	1	9/14/2021 7:34:52 PM
Surr: o-Terphenyl	83.9	50 - 150		%Rec	1	9/14/2021 7:34:52 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R69908	Analyst: ALB
Percent Moisture	4.88	0.500		wt%	1	9/14/2021 3:46:23 PM

Work Order: 2109198
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-33695	SampType: MBLK	Units: mg/Kg				Prep Date: 9/14/2021	RunNo: 69914				
Client ID: MBLKS	Batch ID: 33695					Analysis Date: 9/14/2021	SeqNo: 1417590				
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	9.03		10.00		90.3	50	150				
Surr: o-Terphenyl	9.02		10.00		90.2	50	150				

Sample ID: LCS-33695	SampType: LCS	Units: mg/Kg				Prep Date: 9/14/2021	RunNo: 69914				
Client ID: LCSS	Batch ID: 33695					Analysis Date: 9/14/2021	SeqNo: 1417591				
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	9.88		10.00		98.8	50	150				
Surr: o-Terphenyl	11.9		10.00		119	50	150				

Sample ID: 2109198-006AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 9/14/2021	RunNo: 69914				
Client ID: T8-S25-E23-125	Batch ID: 33695					Analysis Date: 9/14/2021	SeqNo: 1417592				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	468	136	452.1	0	103	68	132				
Surr: 2-Fluorobiphenyl	8.59		9.042		95.0	50	150				
Surr: o-Terphenyl	10.3		9.042		114	50	150				

Sample ID: 2109198-006AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 9/14/2021	RunNo: 69914				
Client ID: T8-S25-E23-125	Batch ID: 33695					Analysis Date: 9/14/2021	SeqNo: 1417593				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	438	136	455.0	0	96.4	68	132	467.6	6.42	30	
Surr: 2-Fluorobiphenyl	8.23		9.099		90.4	50	150		0		
Surr: o-Terphenyl	9.97		9.099		110	50	150		0		

Work Order: 2109198
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2109198-006AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 9/14/2021	RunNo: 69914							
Client ID: T8-S25-E23-125	Batch ID: 33695	Analysis Date: 9/14/2021	SeqNo: 1417593								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2109178-012ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/14/2021	RunNo: 69914							
Client ID: BATCH	Batch ID: 33695	Analysis Date: 9/14/2021	SeqNo: 1417594								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	48.6						0		30	
Heavy Oil	ND	97.3						0		30	
Total Petroleum Hydrocarbons	ND	146						0		30	
Surr: 2-Fluorobiphenyl	6.61		9.728		67.9	50	150		0		
Surr: o-Terphenyl	6.52		9.728		67.0	50	150		0		

Client Name: **AC**

 Work Order Number: **2109198**

 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



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

Chain of Custody Record & Laboratory Services Agreement

Date: 9/14/21 Page: 1 of 1
 Laboratory Project No (Internal): 2109198

Project Name: Skanska The Eight Redevelopment

Project No: 180587

Collected by: Baxter Call

Location: Seattle, WA, 98104

Report To (PM): Ali Cochran, Amelia Oates

PM Email: acochran@aspectconsulting.com aames@aspectconsulting.com

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

Special Remarks:

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 TB-S26-E23-127	9/14/21	1045	S	3																				
2 TB-S26-E23-121		1130																						
3 TB-S26-E21-125		1135																						
4 TB-S27-E23-125		1140																						
5 TB-S26-E25-125		1145																						
6 TB-S25-E23-125		1150																						
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) Baxter Call Print Name Baxter Call Date/Time 9/14/21 1420 Received (Signature) Ali Cochran Print Name Ali Cochran Date/Time 09/14/21 14:58

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: Skanska The Eight Redevelopment
Work Order Number: 2109396**

September 27, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 9/23/2021 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:
Amelia Oates

*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: 09/27/2021

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2109396

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2109396-001	T8-S18-E12-136	09/23/2021 3:30 PM	09/23/2021 5:47 PM
2109396-002	T8-S20-E11-136	09/23/2021 4:15 PM	09/23/2021 5:47 PM

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

Original

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2109396-001

Collection Date: 9/23/2021 3:30:00 PM

Client Sample ID: T8-S18-E12-136

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33823 Analyst: KT

Gasoline	ND	5.33		mg/Kg-dry	1	9/24/2021 9:04:16 PM
Surr: Toluene-d8	98.1	65 - 135		%Rec	1	9/24/2021 9:04:16 PM
Surr: 4-Bromofluorobenzene	102	65 - 135		%Rec	1	9/24/2021 9:04:16 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33823 Analyst: KT

Tetrachloroethene (PCE)	ND	0.0427		mg/Kg-dry	1	9/24/2021 9:04:16 PM
Surr: Dibromofluoromethane	97.1	75.5 - 119		%Rec	1	9/24/2021 9:04:16 PM
Surr: Toluene-d8	105	82.4 - 115		%Rec	1	9/24/2021 9:04:16 PM
Surr: 1-Bromo-4-fluorobenzene	97.3	78.5 - 118		%Rec	1	9/24/2021 9:04:16 PM

Sample Moisture (Percent Moisture)

Batch ID: R70127 Analyst: cb

Percent Moisture	9.76	0.500		wt%	1	9/24/2021 3:03:09 PM
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Lab ID: 2109396-002

Collection Date: 9/23/2021 4:15:00 PM

Client Sample ID: T8-S20-E11-136

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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Gasoline by NWTPH-Gx

Batch ID: 33823 Analyst: KT

Gasoline	ND	5.00		mg/Kg-dry	1	9/24/2021 9:35:17 PM
Surr: Toluene-d8	98.5	65 - 135		%Rec	1	9/24/2021 9:35:17 PM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	9/24/2021 9:35:17 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33823 Analyst: KT

Tetrachloroethene (PCE)	ND	0.0400		mg/Kg-dry	1	9/24/2021 9:35:17 PM
Surr: Dibromofluoromethane	94.7	75.5 - 119		%Rec	1	9/24/2021 9:35:17 PM
Surr: Toluene-d8	105	82.4 - 115		%Rec	1	9/24/2021 9:35:17 PM
Surr: 1-Bromo-4-fluorobenzene	96.3	78.5 - 118		%Rec	1	9/24/2021 9:35:17 PM

Sample Moisture (Percent Moisture)

Batch ID: R70127 Analyst: cb

Percent Moisture	7.61	0.500		wt%	1	9/24/2021 3:03:09 PM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Work Order: 2109396
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: T8-S20-E11-136	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: 2109396
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: BATCH	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: 2109396
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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
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
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
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
Tetrachloroethene (PCE)	1.13	0.0423	1.059	0	106	77.7	131				
Surr: Dibromofluoromethane	1.41		1.323		107	75.5	119				

Work Order: 2109396
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

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

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: BATCH	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

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: **2109396**

 Logged by: **Clare Griggs**

 Date Received: **9/23/2021 5:47:00 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



Aspect Consulting

Ali Cochrane

710 2nd Ave, Suite 550

Seattle, WA 98104

RE: Skanska The Eight Redevelopment

Work Order Number: 2110081

October 07, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 10/6/2021 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)

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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2110081

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110081-001	T8-S27-E13-128	10/06/2021 8:00 AM	10/06/2021 12:29 PM
2110081-002	T8-S20-E14-130	10/06/2021 10:10 AM	10/06/2021 12:29 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2110081-001

Collection Date: 10/6/2021 8:00:00 AM

Client Sample ID: T8-S27-E13-128

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33970		Analyst: MM
Diesel (Fuel Oil)	594	50.8		mg/Kg-dry	1	10/7/2021 10:01:03 AM
Heavy Oil	ND	102		mg/Kg-dry	1	10/7/2021 10:01:03 AM
Total Petroleum Hydrocarbons	594	152		mg/Kg-dry	1	10/7/2021 10:01:03 AM
Surr: 2-Fluorobiphenyl	97.5	50 - 150		%Rec	1	10/7/2021 10:01:03 AM
Surr: o-Terphenyl	101	50 - 150		%Rec	1	10/7/2021 10:01:03 AM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33972		Analyst: KT
Gasoline	ND	51.9	D	mg/Kg-dry	10	10/7/2021 5:38:16 AM
Surr: Toluene-d8	104	65 - 135	D	%Rec	10	10/7/2021 5:38:16 AM
Surr: 4-Bromofluorobenzene	98.4	65 - 135	D	%Rec	10	10/7/2021 5:38:16 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70394		Analyst: OK
Percent Moisture	8.81	0.500		wt%	1	10/7/2021 10:04:27 AM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2110081-002

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

Client Sample ID: T8-S20-E14-130

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33972		Analyst: KT
Gasoline	ND	5.05		mg/Kg-dry	1	10/7/2021 2:01:54 AM
Surr: Toluene-d8	98.9	65 - 135		%Rec	1	10/7/2021 2:01:54 AM
Surr: 4-Bromofluorobenzene	105	65 - 135		%Rec	1	10/7/2021 2:01:54 AM
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 33972		Analyst: KT
Tetrachloroethene (PCE)	ND	0.0404		mg/Kg-dry	1	10/7/2021 2:01:54 AM
Surr: Dibromofluoromethane	100	75.5 - 119		%Rec	1	10/7/2021 2:01:54 AM
Surr: Toluene-d8	107	82.4 - 115		%Rec	1	10/7/2021 2:01:54 AM
Surr: 1-Bromo-4-fluorobenzene	102	78.5 - 118		%Rec	1	10/7/2021 2:01:54 AM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70394		Analyst: OK
Percent Moisture	8.67	0.500		wt%	1	10/7/2021 10:04:27 AM

Work Order: 2110081
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-33970	SampType: MBLK	Units: mg/Kg	Prep Date: 10/6/2021	RunNo: 70402							
Client ID: MBLKS	Batch ID: 33970		Analysis Date: 10/6/2021	SeqNo: 1428557							
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	9.84		10.00		98.4	50	150				
Surr: o-Terphenyl	9.34		10.00		93.4	50	150				

Sample ID: 2110089-005ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/6/2021	RunNo: 70402							
Client ID: BATCH	Batch ID: 33970		Analysis Date: 10/6/2021	SeqNo: 1428559							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	55.3						0		30	
Heavy Oil	ND	111						0		30	
Total Petroleum Hydrocarbons	ND	166						0		30	
Surr: 2-Fluorobiphenyl	10.5		11.06		95.4	50	150		0		
Surr: o-Terphenyl	10.2		11.06		92.4	50	150		0		

Sample ID: LCS-33970	SampType: LCS	Units: mg/Kg	Prep Date: 10/6/2021	RunNo: 70402							
Client ID: LCSS	Batch ID: 33970		Analysis Date: 10/7/2021	SeqNo: 1428564							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	536	150	500.0	0	107	77.2	122				
Surr: 2-Fluorobiphenyl	11.1		10.00		111	50	150				
Surr: o-Terphenyl	12.8		10.00		128	50	150				

Work Order: 2110081
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33972	SampType: LCS	Units: mg/Kg			Prep Date: 10/6/2021	RunNo: 70386					
Client ID: LCSS	Batch ID: 33972				Analysis Date: 10/7/2021	SeqNo: 1428292					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	25.5	5.00	25.00	0	102	65	135				
Surr: Toluene-d8	1.24		1.250		99.6	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		102	65	135				

Sample ID: MB-33972	SampType: MBLK	Units: mg/Kg			Prep Date: 10/6/2021	RunNo: 70386					
Client ID: MBLKS	Batch ID: 33972				Analysis Date: 10/7/2021	SeqNo: 1428293					
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	1.27		1.250		102	65	135				

Sample ID: 2110089-002BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/6/2021	RunNo: 70386					
Client ID: BATCH	Batch ID: 33972				Analysis Date: 10/7/2021	SeqNo: 1428297					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	8.00						0		30	
Surr: Toluene-d8	1.98		1.999		99.1	65	135		0		
Surr: 4-Bromofluorobenzene	2.07		1.999		104	65	135		0		

Sample ID: 2110081-002BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 10/6/2021	RunNo: 70386					
Client ID: T8-S20-E14-130	Batch ID: 33972				Analysis Date: 10/7/2021	SeqNo: 1428302					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	30.8	5.05	25.27	0	122	65	135				
Surr: Toluene-d8	1.25		1.264		99.1	65	135				
Surr: 4-Bromofluorobenzene	1.33		1.264		105	65	135				

Work Order: 2110081
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-33972	SampType: LCS	Units: mg/Kg				Prep Date: 10/6/2021	RunNo: 70385				
Client ID: LCSS	Batch ID: 33972					Analysis Date: 10/6/2021	SeqNo: 1428289				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.951	0.0400	1.000	0	95.1	80	120				
Surr: Dibromofluoromethane	1.38		1.250		110	75.5	120				
Surr: Toluene-d8	1.33		1.250		107	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	78.5	120				

Sample ID: MB-33972	SampType: MBLK	Units: mg/Kg				Prep Date: 10/6/2021	RunNo: 70385				
Client ID: MBLKS	Batch ID: 33972					Analysis Date: 10/7/2021	SeqNo: 1428279				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Surr: Dibromofluoromethane	1.24		1.250		99.3	75.5	119				
Surr: Toluene-d8	1.33		1.250		107	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.1	78.5	118				

Sample ID: 2110089-002BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 10/6/2021	RunNo: 70385				
Client ID: BATCH	Batch ID: 33972					Analysis Date: 10/7/2021	SeqNo: 1428283				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0640						0		30	
Surr: Dibromofluoromethane	1.98		1.999		99.0	75.5	119		0		
Surr: Toluene-d8	2.13		1.999		106	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	2.02		1.999		101	78.5	118		0		

Sample ID: 2110089-003BMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 10/6/2021	RunNo: 70385				
Client ID: BATCH	Batch ID: 33972					Analysis Date: 10/7/2021	SeqNo: 1428287				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.30	0.0553	1.381	0	94.1	77.7	131				
Surr: Dibromofluoromethane	1.89		1.727		109	75.5	119				

Work Order: 2110081
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110089-003BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/6/2021	RunNo: 70385							
Client ID: BATCH	Batch ID: 33972		Analysis Date: 10/7/2021	SeqNo: 1428287							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.85		1.727		107	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.83		1.727		106	78.5	118				

Client Name: AC	Work Order Number: 2110081
Logged by: Gabrielle Coeuille	Date Received: 10/6/2021 12:29:52 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 1	9.7

* 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: 10/6/21 Page: 1 of 1

Laboratory Project No (Internal): 21b081

Client: Aspect Consulting

Project Name: Skanska The Eight Redevelopment

Special Remarks:

Address: 710 2nd Ave Ste 570

Collected by: Baxter Cain

City, State, Zip: Seattle, WA, 98104

Location:

Telephone:

Report To (PM): Alf Carlson, Analytical

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

Fax:

PM Email: acarlson@aspectconsulting.com aspect@aspectconsulting.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCO)	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 (C)***	EDB (8011)	PCB	Comments
1 TB-S27-E13-128	10/6/21	0800	S	3		X		X										
2 TB-S20-E14-136		1010	L	1		X												
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SO = 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 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: Skanska The Eight Redevelopment

Work Order Number: 2110107

October 07, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 10/7/2021 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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2110107

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110107-001	T8-S20-E12-130	10/06/2021 3:30 PM	10/07/2021 8:07 AM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment
Lab ID: 2110107-001
Client Sample ID: T8-S20-E12-130

Collection Date: 10/6/2021 3:30:00 PM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 33975	Analyst: CR
Gasoline	ND	4.32		mg/Kg-dry	1	10/7/2021 12:12:02 PM
Surr: Toluene-d8	98.2	65 - 135		%Rec	1	10/7/2021 12:12:02 PM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	10/7/2021 12:12:02 PM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 33975	Analyst: CR
Tetrachloroethene (PCE)	ND	0.0346		mg/Kg-dry	1	10/7/2021 12:12:02 PM
Surr: Dibromofluoromethane	98.3	75.5 - 119		%Rec	1	10/7/2021 12:12:02 PM
Surr: Toluene-d8	107	82.4 - 115		%Rec	1	10/7/2021 12:12:02 PM
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118		%Rec	1	10/7/2021 12:12:02 PM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R70394	Analyst: OK
Percent Moisture	9.53	0.500		wt%	1	10/7/2021 10:04:27 AM

Work Order: 2110107
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33975	SampType: LCS	Units: mg/Kg			Prep Date: 10/7/2021	RunNo: 70404					
Client ID: LCSS	Batch ID: 33975				Analysis Date: 10/7/2021	SeqNo: 1428625					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	22.9	5.00	25.00	0	91.7	65	135				
Surr: Toluene-d8	1.24		1.250		99.2	65	135				
Surr: 4-Bromofluorobenzene	1.32		1.250		106	65	135				

Sample ID: MB-33975	SampType: MBLK	Units: mg/Kg			Prep Date: 10/7/2021	RunNo: 70404					
Client ID: MBLKS	Batch ID: 33975				Analysis Date: 10/7/2021	SeqNo: 1428626					
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		99.8	65	135				
Surr: 4-Bromofluorobenzene	1.26		1.250		101	65	135				

Sample ID: 2110106-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/7/2021	RunNo: 70404					
Client ID: BATCH	Batch ID: 33975				Analysis Date: 10/7/2021	SeqNo: 1428628					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	4.67						0		30	
Surr: Toluene-d8	1.17		1.168		100	65	135		0		
Surr: 4-Bromofluorobenzene	1.18		1.168		101	65	135		0		

Sample ID: 2110107-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 10/7/2021	RunNo: 70404					
Client ID: T8-S20-E12-130	Batch ID: 33975				Analysis Date: 10/7/2021	SeqNo: 1428630					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	21.6	4.32	21.60	0	100	65	135				
Surr: Toluene-d8	1.07		1.080		99.5	65	135				
Surr: 4-Bromofluorobenzene	1.13		1.080		105	65	135				

Work Order: 2110107
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: BATCH	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: BATCH	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: 2110107
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: BATCH	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: **2110107**

 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



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: 10/6/21 Page: 1 of 1 Laboratory Project No (Internal): 2110107

Project Name: Skanska The Eight Redevelopment

Project No: 180597

Collected by: Baxter Call

Location:

Report To (PM): Al. Cochran, Analytics Dept

PM Email: acochran@aspectconsulting.com | acochrane@aspectanalytical.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)	PCB	Comments
1 TB-S20-ET2-136	10/6/21	1536	S	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): 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) *Baxter Call* Print Name *Baxter Call* Date/Time *10/6/21 1930* Received (Signature) *Al. Cochran* Print Name *Al. Cochran* Date/Time *10/6/21 18:07*



Aspect Consulting

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

**RE: Skanska The Eight Redevelopment
Work Order Number: 2110128**

October 11, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 10/7/2021 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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment
Work Order: 2110128

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110128-001	T8-S25-E15-126	10/07/2021 9:00 AM	10/07/2021 5:50 PM
2110128-002	T8-S24-E14-126	10/07/2021 9:20 AM	10/07/2021 5:50 PM
2110128-003	T8-S25-E13-126	10/07/2021 9:25 AM	10/07/2021 5:50 PM

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

CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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: Skanska The Eight Redevelopment

Lab ID: 2110128-001

Collection Date: 10/7/2021 9:00:00 AM

Client Sample ID: T8-S25-E15-126

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: 33995

Analyst: MM

Diesel (Fuel Oil)	ND	49.5		mg/Kg-dry	1	10/8/2021 3:55:28 PM
Heavy Oil	ND	99.0		mg/Kg-dry	1	10/8/2021 3:55:28 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	10/8/2021 3:55:28 PM
Surr: 2-Fluorobiphenyl	95.5	50 - 150		%Rec	1	10/8/2021 3:55:28 PM
Surr: o-Terphenyl	96.0	50 - 150		%Rec	1	10/8/2021 3:55:28 PM

Gasoline by NWTPH-Gx

Batch ID: 33993

Analyst: CR

Gasoline	ND	5.85		mg/Kg-dry	1	10/8/2021 1:21:59 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	10/8/2021 1:21:59 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	10/8/2021 1:21:59 PM

Sample Moisture (Percent Moisture)

Batch ID: R70420

Analyst: OK

Percent Moisture	7.24	0.500		wt%	1	10/8/2021 8:52:16 AM
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CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2110128-002

Collection Date: 10/7/2021 9:20:00 AM

Client Sample ID: T8-S24-E14-126

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33995		Analyst: MM
Diesel (Fuel Oil)	ND	50.2		mg/Kg-dry	1	10/8/2021 4:08:22 PM
Heavy Oil	ND	100		mg/Kg-dry	1	10/8/2021 4:08:22 PM
Total Petroleum Hydrocarbons	ND	151		mg/Kg-dry	1	10/8/2021 4:08:22 PM
Surr: 2-Fluorobiphenyl	88.5	50 - 150		%Rec	1	10/8/2021 4:08:22 PM
Surr: o-Terphenyl	88.2	50 - 150		%Rec	1	10/8/2021 4:08:22 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33993		Analyst: CR
Gasoline	ND	5.68		mg/Kg-dry	1	10/8/2021 2:24:08 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	10/8/2021 2:24:08 PM
Surr: 4-Bromofluorobenzene	102	65 - 135		%Rec	1	10/8/2021 2:24:08 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70420		Analyst: OK
Percent Moisture	8.84	0.500		wt%	1	10/8/2021 8:52:16 AM



CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

Lab ID: 2110128-003

Collection Date: 10/7/2021 9:25:00 AM

Client Sample ID: T8-S25-E13-126

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 33995		Analyst: MM
Diesel (Fuel Oil)	ND	47.6		mg/Kg-dry	1	10/8/2021 4:21:16 PM
Heavy Oil	ND	95.2		mg/Kg-dry	1	10/8/2021 4:21:16 PM
Total Petroleum Hydrocarbons	ND	143		mg/Kg-dry	1	10/8/2021 4:21:16 PM
Surr: 2-Fluorobiphenyl	92.8	50 - 150		%Rec	1	10/8/2021 4:21:16 PM
Surr: o-Terphenyl	97.2	50 - 150		%Rec	1	10/8/2021 4:21:16 PM

<u>Gasoline by NWTPH-Gx</u>				Batch ID: 33993		Analyst: CR
Gasoline	ND	6.23		mg/Kg-dry	1	10/8/2021 2:55:14 PM
Surr: Toluene-d8	99.2	65 - 135		%Rec	1	10/8/2021 2:55:14 PM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	10/8/2021 2:55:14 PM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70420		Analyst: OK
Percent Moisture	5.00	0.500		wt%	1	10/8/2021 8:52:16 AM

Work Order: 2110128
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: MB-33995	SampType: MBLK	Units: mg/Kg				Prep Date: 10/8/2021	RunNo: 70446				
Client ID: MBLKS	Batch ID: 33995					Analysis Date: 10/8/2021	SeqNo: 1429308				
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	10.7		10.00		107	50	150				
Surr: o-Terphenyl	10.3		10.00		103	50	150				

Sample ID: LCS-33995	SampType: LCS	Units: mg/Kg				Prep Date: 10/8/2021	RunNo: 70446				
Client ID: LCSS	Batch ID: 33995					Analysis Date: 10/8/2021	SeqNo: 1429309				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	550	150	500.0	0	110	77.2	122				
Surr: 2-Fluorobiphenyl	10.6		10.00		106	50	150				
Surr: o-Terphenyl	13.0		10.00		130	50	150				

Sample ID: 2110128-003AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 10/8/2021	RunNo: 70446				
Client ID: T8-S25-E13-126	Batch ID: 33995					Analysis Date: 10/8/2021	SeqNo: 1430466				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	527	142	474.1	0	111	68	132				
Surr: 2-Fluorobiphenyl	7.19		9.483		75.8	50	150				
Surr: o-Terphenyl	11.9		9.483		126	50	150				

Sample ID: 2110128-003AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 10/8/2021	RunNo: 70446				
Client ID: T8-S25-E13-126	Batch ID: 33995					Analysis Date: 10/8/2021	SeqNo: 1430467				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	568	144	478.4	0	119	68	132	526.7	7.58	30	
Surr: 2-Fluorobiphenyl	7.97		9.569		83.3	50	150		0		
Surr: o-Terphenyl	13.0		9.569		136	50	150		0		

Work Order: 2110128
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

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

Sample ID: 2110128-003AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 10/8/2021	RunNo: 70446							
Client ID: T8-S25-E13-126	Batch ID: 33995	Analysis Date: 10/8/2021	SeqNo: 1430467								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2110129-003ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/8/2021	RunNo: 70446							
Client ID: BATCH	Batch ID: 33995	Analysis Date: 10/8/2021	SeqNo: 1430463								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	4,970	47.2						5,253	5.64	30	
Heavy Oil	ND	94.5						0		30	
Total Petroleum Hydrocarbons	4,970	142						5,253	5.64	30	
Surr: 2-Fluorobiphenyl	7.37		9.450		78.0	50	150		0		
Surr: o-Terphenyl	12.1		9.450		128	50	150		0		

Work Order: 2110128
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-33993	SampType: LCS	Units: mg/Kg			Prep Date: 10/8/2021	RunNo: 70445					
Client ID: LCSS	Batch ID: 33993				Analysis Date: 10/8/2021	SeqNo: 1429324					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	23.1	5.00	25.00	0	92.4	65	135				
Surr: Toluene-d8	1.24		1.250		99.5	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.250		105	65	135				

Sample ID: MB-33993	SampType: MBLK	Units: mg/Kg			Prep Date: 10/8/2021	RunNo: 70445					
Client ID: MBLKS	Batch ID: 33993				Analysis Date: 10/8/2021	SeqNo: 1429325					
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		101	65	135				
Surr: 4-Bromofluorobenzene	1.26		1.250		101	65	135				

Sample ID: 2110127-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/8/2021	RunNo: 70445					
Client ID: BATCH	Batch ID: 33993				Analysis Date: 10/8/2021	SeqNo: 1429327					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.56						0		30	
Surr: Toluene-d8	1.38		1.391		99.1	65	135		0		
Surr: 4-Bromofluorobenzene	1.44		1.391		103	65	135		0		

Sample ID: 2110128-001BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/8/2021	RunNo: 70445					
Client ID: T8-S25-E15-126	Batch ID: 33993				Analysis Date: 10/8/2021	SeqNo: 1429329					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.85						0		30	
Surr: Toluene-d8	1.45		1.463		99.1	65	135		0		
Surr: 4-Bromofluorobenzene	1.49		1.463		102	65	135		0		

Work Order: 2110128
CLIENT: Aspect Consulting
Project: Skanska The Eight Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2110128-002BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/8/2021	RunNo: 70445							
Client ID: T8-S24-E14-126	Batch ID: 33993	Analysis Date: 10/8/2021	SeqNo: 1429332								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	27.3	5.68	28.38	0	96.3	65	135				
Surr: Toluene-d8	1.40		1.419		98.8	65	135				
Surr: 4-Bromofluorobenzene	1.48		1.419		104	65	135				

Client Name: **AC**

 Work Order Number: **2110128**

 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



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: 10/7/21 Page: 1 of 1

Project Name: Sikavaka The Eight Redevelopment

Project No: 180887

Collected by: Baxter Call

Location: Alii Commons, Aiea, Oahu

Report To (PM): Alii Commons, Aiea, Oahu

PM Email: ashchance@aspectconsulting.com

ashchance@aspectconsulting.com

Laboratory Project No (Internal): 2110128

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 (GX)	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 (C)***		ED8 (8011)
1 TB-S25-E15-126	10/7/21	0900	S	3	X	X	X	X	X	X	X	X	X	X	X	X	
2 TB-S24-E14-126		0920															
3 TB-S25-E13-126		0925															
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) Baxter Call Print Name Baxter Call Date/Time 10/7/21 1700

Relinquished (Signature) Kelsey Jones Print Name Kelsey Jones Date/Time 10/7/21 1750

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: Skanska T8
Work Order Number: 2110261

October 20, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 10/19/2021 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:
Amelia Oates



Date: 10/20/2021

CLIENT: Aspect Consulting
Project: Skanska T8
Work Order: 2110261

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110261-001	T8-S21-E10-119	10/19/2021 11:45 AM	10/19/2021 3:07 PM

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

Original

CLIENT: Aspect Consulting

Project: Skanska T8

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: 10/19/2021 11:45:00 AM

Project: Skanska T8

Lab ID: 2110261-001

Matrix: Soil

Client Sample ID: T8-S21-E10-119

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 34098	Analyst: MM
Diesel (Fuel Oil)	364	48.9		mg/Kg-dry	1	10/20/2021 4:43:17 AM
Heavy Oil	ND	97.8		mg/Kg-dry	1	10/20/2021 4:43:17 AM
Total Petroleum Hydrocarbons	364	147		mg/Kg-dry	1	10/20/2021 4:43:17 AM
Surr: 2-Fluorobiphenyl	93.1	50 - 150		%Rec	1	10/20/2021 4:43:17 AM
Surr: o-Terphenyl	99.8	50 - 150		%Rec	1	10/20/2021 4:43:17 AM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 34092	Analyst: CR
Gasoline	ND	6.27		mg/Kg-dry	1	10/20/2021 3:14:30 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	10/20/2021 3:14:30 AM
Surr: 4-Bromofluorobenzene	94.3	65 - 135		%Rec	1	10/20/2021 3:14:30 AM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R70651	Analyst: MCH
Percent Moisture	7.75	0.500		wt%	1	10/19/2021 3:42:19 PM

Work Order: 2110261
CLIENT: Aspect Consulting
Project: Skanska T8

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

Sample ID: MB-34098	SampType: MBLK	Units: mg/Kg				Prep Date: 10/19/2021	RunNo: 70660				
Client ID: MBLKS	Batch ID: 34098					Analysis Date: 10/19/2021	SeqNo: 1436762				
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	8.44		10.00		84.4	50	150				
Surr: o-Terphenyl	9.10		10.00		91.0	50	150				

Sample ID: LCS-34098	SampType: LCS	Units: mg/Kg				Prep Date: 10/19/2021	RunNo: 70660				
Client ID: LCSS	Batch ID: 34098					Analysis Date: 10/19/2021	SeqNo: 1436763				
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	77.2	122				
Surr: 2-Fluorobiphenyl	9.35		10.00		93.5	50	150				
Surr: o-Terphenyl	12.0		10.00		120	50	150				

Sample ID: 2110134-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 10/19/2021	RunNo: 70660				
Client ID: BATCH	Batch ID: 34098					Analysis Date: 10/19/2021	SeqNo: 1436765				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	587	170	566.7	0	104	68	132				
Surr: 2-Fluorobiphenyl	6.46		11.33		57.0	50	150				
Surr: o-Terphenyl	10.1		11.33		89.1	50	150				

Sample ID: 2110134-001AMSD	SampType: MSD	Units: mg/Kg-dry				Prep Date: 10/19/2021	RunNo: 70660				
Client ID: BATCH	Batch ID: 34098					Analysis Date: 10/19/2021	SeqNo: 1436766				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	627	182	607.7	0	103	68	132	586.9	6.55	30	
Surr: 2-Fluorobiphenyl	7.79		12.15		64.1	50	150		0		
Surr: o-Terphenyl	10.6		12.15		87.2	50	150		0		

Work Order: 2110261
CLIENT: Aspect Consulting
Project: Skanska T8

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

Sample ID: 2110134-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 10/19/2021	RunNo: 70660							
Client ID: BATCH	Batch ID: 34098		Analysis Date: 10/19/2021	SeqNo: 1436766							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 2110137-007ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/19/2021	RunNo: 70660							
Client ID: BATCH	Batch ID: 34098		Analysis Date: 10/20/2021	SeqNo: 1436776							
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	8.78		10.40		84.4	50	150		0		
Surr: o-Terphenyl	9.41		10.40		90.5	50	150		0		

Work Order: 2110261
CLIENT: Aspect Consulting
Project: Skanska T8

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-34092	SampType: LCS	Units: mg/Kg			Prep Date: 10/19/2021	RunNo: 70664					
Client ID: LCSS	Batch ID: 34092				Analysis Date: 10/19/2021	SeqNo: 1436974					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	27.5	5.00	25.00	0	110	65	135				
Surr: Toluene-d8	1.28		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		100	65	135				

Sample ID: MB-34092	SampType: MBLK	Units: mg/Kg			Prep Date: 10/19/2021	RunNo: 70664					
Client ID: MBLKS	Batch ID: 34092				Analysis Date: 10/19/2021	SeqNo: 1436975					
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	1.14		1.250		91.1	65	135				

Sample ID: 2110251-009BDUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/19/2021	RunNo: 70664					
Client ID: BATCH	Batch ID: 34092				Analysis Date: 10/20/2021	SeqNo: 1436969					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	6.68						0		30	
Surr: Toluene-d8	1.68		1.671		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.55		1.671		92.7	65	135		0		

Sample ID: 2110261-001BMS	SampType: MS	Units: mg/Kg-dry			Prep Date: 10/19/2021	RunNo: 70664					
Client ID: T8-S21-E10-119	Batch ID: 34092				Analysis Date: 10/20/2021	SeqNo: 1436971					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	43.7	6.27	31.36	9.075	110	65	135				
Surr: Toluene-d8	1.61		1.568		103	65	135				
Surr: 4-Bromofluorobenzene	1.58		1.568		101	65	135				

Client Name: **AC**

 Work Order Number: **2110261**

 Logged by: **Clare Griggs**

 Date Received: **10/19/2021 3:07:00 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
No cooler present.
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
Unknown prior to receipt.
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	20.3

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

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.



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: Skanska T8
Work Order Number: 2110289

October 21, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 10/20/2021 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:
Amelia Oates

*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*

Revision v1

www.fremontanalytical.com



Date: 10/26/2021

CLIENT: Aspect Consulting
Project: Skanska T8
Work Order: 2110289

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110289-001	T8-S23-E14-121	10/20/2021 8:10 AM	10/20/2021 4:15 PM
2110289-002	T8-S23-E12-121	10/20/2021 8:15 AM	10/20/2021 4:15 PM
2110289-003	T8-S22-E11-117	10/20/2021 10:21 AM	10/20/2021 4:15 PM

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

CLIENT: Aspect Consulting

Project: Skanska T8

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.

10/26/2021: Revision 1 includes a correction to sample IDs 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: Skanska T8

Lab ID: 2110289-001

Collection Date: 10/20/2021 8:10:00 AM

Client Sample ID: T8-S23-E14-121

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 34119		Analyst: MM
Diesel (Fuel Oil)	ND	50.3		mg/Kg-dry	1	10/21/2021 11:59:53 AM
Heavy Oil	ND	101		mg/Kg-dry	1	10/21/2021 11:59:53 AM
Total Petroleum Hydrocarbons	ND	151		mg/Kg-dry	1	10/21/2021 11:59:53 AM
Surr: 2-Fluorobiphenyl	85.8	50 - 150		%Rec	1	10/21/2021 11:59:53 AM
Surr: o-Terphenyl	90.2	50 - 150		%Rec	1	10/21/2021 11:59:53 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70685		Analyst: MCH
Percent Moisture	7.62	0.500		wt%	1	10/21/2021 9:27:43 AM

Lab ID: 2110289-002

Collection Date: 10/20/2021 8:15:00 AM

Client Sample ID: T8-S23-E12-121

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 34119		Analyst: MM
Diesel (Fuel Oil)	ND	52.4		mg/Kg-dry	1	10/21/2021 12:12:42 PM
Heavy Oil	ND	105		mg/Kg-dry	1	10/21/2021 12:12:42 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	10/21/2021 12:12:42 PM
Surr: 2-Fluorobiphenyl	83.9	50 - 150		%Rec	1	10/21/2021 12:12:42 PM
Surr: o-Terphenyl	87.2	50 - 150		%Rec	1	10/21/2021 12:12:42 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70685		Analyst: MCH
Percent Moisture	6.65	0.500		wt%	1	10/21/2021 9:27:43 AM



CLIENT: Aspect Consulting

Project: Skanska T8

Lab ID: 2110289-003

Collection Date: 10/20/2021 10:21:00 AM

Client Sample ID: T8-S22-E11-117

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 34119		Analyst: MM
Diesel (Fuel Oil)	ND	50.6		mg/Kg-dry	1	10/21/2021 12:25:32 PM
Heavy Oil	ND	101		mg/Kg-dry	1	10/21/2021 12:25:32 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	10/21/2021 12:25:32 PM
Surr: 2-Fluorobiphenyl	77.0	50 - 150		%Rec	1	10/21/2021 12:25:32 PM
Surr: o-Terphenyl	82.8	50 - 150		%Rec	1	10/21/2021 12:25:32 PM

Sample Moisture (Percent Moisture)

Batch ID: R70685 Analyst: MCH

Percent Moisture	5.73	0.500		wt%	1	10/21/2021 9:27:43 AM
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Work Order: 2110289
 CLIENT: Aspect Consulting
 Project: Skanska T8

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

Sample ID: LCS-34119	SampType: LCS	Units: mg/Kg			Prep Date: 10/21/2021	RunNo: 70701					
Client ID: LCSS	Batch ID: 34119				Analysis Date: 10/21/2021	SeqNo: 1437918					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	491	150	500.0	0	98.1	77.2	122				
Surr: 2-Fluorobiphenyl	9.35		10.00		93.5	50	150				
Surr: o-Terphenyl	12.4		10.00		124	50	150				

Sample ID: MB-34119	SampType: MBLK	Units: mg/Kg			Prep Date: 10/21/2021	RunNo: 70701					
Client ID: MBLKS	Batch ID: 34119				Analysis Date: 10/21/2021	SeqNo: 1437919					
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	9.38		10.00		93.8	50	150				
Surr: o-Terphenyl	9.74		10.00		97.4	50	150				

Sample ID: 2110289-003ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/21/2021	RunNo: 70701					
Client ID: T8-S22-E11-117	Batch ID: 34119				Analysis Date: 10/21/2021	SeqNo: 1437923					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.4						0		30	
Heavy Oil	ND	101						0		30	
Total Petroleum Hydrocarbons	ND	151						0		30	
Surr: 2-Fluorobiphenyl	7.25		10.07		72.0	50	150		0		
Surr: o-Terphenyl	7.99		10.07		79.3	50	150		0		

Client Name: **AC**

 Work Order Number: **2110289**

 Logged by: **Gabrielle Coeuille**

 Date Received: **10/20/2021 4:15:00 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 * Unknown prior to receipt 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	21.0

* 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: 10/20/21 Page: 1 of 1

Project Name: Skanska T&E

Project No: 180587

Collected by: AVE Arney Pruvus

Location:

Report To (PM): Alicechere, Ave 99 BRTS

PM Email: alicechere@aspecconsulting.com avert@aspecconsulting.com

Laboratory Project No (Internal): 2110887

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 (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 TB 523-E11-121	10/20/21	0810	S	3			X										
2 TB 523-E12-121	10/20/21	0815					X										
3 TB 522-E11-117	10/20/21	1021					X										
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): 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 Sp 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) *[Signature]* Print Name *Arney Pruvus* Date/Time *10/20/21 16:14*

Relinquished (Signature) *[Signature]* Print Name *Justin Mantz* Date/Time *10/20/21 16:15*



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Amelia Oates
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Skanska T8
Work Order Number: 2110310

October 22, 2021

Attention Amelia Oates:

Fremont Analytical, Inc. received 1 sample(s) on 10/21/2021 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

*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: 10/22/2021

CLIENT: Aspect Consulting
Project: Skanska T8
Work Order: 2110310

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110310-001	T8-S26-E14-121	10/21/2021 1:00 PM	10/21/2021 3:30 PM

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

Original

CLIENT: Aspect Consulting

Project: Skanska T8

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: 10/21/2021 1:00:00 PM

Project: Skanska T8

Lab ID: 2110310-001

Matrix: Soil

Client Sample ID: T8-S26-E14-121

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>				Batch ID: 34131		Analyst: MM
Diesel (Fuel Oil)	ND	52.9		mg/Kg-dry	1	10/22/2021 10:35:14 AM
Heavy Oil	ND	106		mg/Kg-dry	1	10/22/2021 10:35:14 AM
Total Petroleum Hydrocarbons	ND	159		mg/Kg-dry	1	10/22/2021 10:35:14 AM
Surr: 2-Fluorobiphenyl	108	50 - 150		%Rec	1	10/22/2021 10:35:14 AM
Surr: o-Terphenyl	109	50 - 150		%Rec	1	10/22/2021 10:35:14 AM
<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70710		Analyst: MCH
Percent Moisture	6.93	0.500		wt%	1	10/21/2021 5:03:36 PM

Work Order: 2110310
 CLIENT: Aspect Consulting
 Project: Skanska T8

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

Sample ID: MB-34131	SampType: MBLK	Units: mg/Kg			Prep Date: 10/21/2021	RunNo: 70729					
Client ID: MBLKS	Batch ID: 34131				Analysis Date: 10/22/2021	SeqNo: 1438609					
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	10.8		10.00		108	50	150				
Surr: o-Terphenyl	11.1		10.00		111	50	150				

Sample ID: LCS-34131	SampType: LCS	Units: mg/Kg			Prep Date: 10/21/2021	RunNo: 70729					
Client ID: LCSS	Batch ID: 34131				Analysis Date: 10/22/2021	SeqNo: 1438610					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	603	150	500.0	0	121	77.2	122				
Surr: 2-Fluorobiphenyl	9.34		10.00		93.4	50	150				
Surr: o-Terphenyl	14.0		10.00		140	50	150				

Sample ID: 2110310-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/21/2021	RunNo: 70729					
Client ID: T8-S26-E14-121	Batch ID: 34131				Analysis Date: 10/22/2021	SeqNo: 1438612					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	46.2						0		30	
Heavy Oil	ND	92.4						0		30	
Total Petroleum Hydrocarbons	ND	139						0		30	
Surr: 2-Fluorobiphenyl	9.86		9.239		107	50	150		0		
Surr: o-Terphenyl	9.88		9.239		107	50	150		0		

Client Name: AC	Work Order Number: 2110310
Logged by: Gabrielle Coeuille	Date Received: 10/21/2021 3:30:00 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	3.6

* 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: 10/21/21 Page: 1 of 1

Laboratory Project No (Internal): 2110310

Project Name: Skanska TR

Special Remarks:

Project No: 19087

Client: Aspect Consulting

Address: 710 2nd Ave S, Suite 550
City, State, Zip: Seattle WA 98107

Collected by: Amelia Oates

Location:

Report To (PM): All owners; Amelia Oates

PM Email: a.oates + a.oates@aspectconsulting.com

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 (DH)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 8020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1 TS-S26-E14-121	10/21/21	1500	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 Sb Se Sr Sn Tl Ti 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.

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: Skanska T8

Work Order Number: 2110327

October 25, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 1 sample(s) on 10/22/2021 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:

Amelia Oates



CLIENT: Aspect Consulting
Project: Skanska T8
Work Order: 2110327

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110327-001	T8-S26-E13-115	10/22/2021 12:36 PM	10/22/2021 2:06 PM

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

CLIENT: Aspect Consulting

Project: Skanska T8

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: 10/22/2021 12:36:00 PM

Project: Skanska T8

Lab ID: 2110327-001

Matrix: Soil

Client Sample ID: T8-S26-E13-115

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 34156	Analyst: MM
Diesel (Fuel Oil)	ND	48.5		mg/Kg-dry	1	10/25/2021 1:02:54 PM
Heavy Oil	ND	97.1		mg/Kg-dry	1	10/25/2021 1:02:54 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	10/25/2021 1:02:54 PM
Surr: 2-Fluorobiphenyl	112	50 - 150		%Rec	1	10/25/2021 1:02:54 PM
Surr: o-Terphenyl	111	50 - 150		%Rec	1	10/25/2021 1:02:54 PM
<u>Sample Moisture (Percent Moisture)</u>					Batch ID: R70757	Analyst: OK
Percent Moisture	4.55	0.500		wt%	1	10/25/2021 9:27:17 AM

Work Order: 2110327
 CLIENT: Aspect Consulting
 Project: Skanska T8

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

Sample ID: LCS-34156	SampType: LCS	Units: mg/Kg			Prep Date: 10/25/2021	RunNo: 70767					
Client ID: LCSS	Batch ID: 34156				Analysis Date: 10/25/2021	SeqNo: 1439304					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Total Petroleum Hydrocarbons	555	150	500.0	0	111	77.2	122				
Surr: 2-Fluorobiphenyl	11.8		10.00		118	50	150				
Surr: o-Terphenyl	13.9		10.00		139	50	150				

Sample ID: MB-34156	SampType: MBLK	Units: mg/Kg			Prep Date: 10/25/2021	RunNo: 70767					
Client ID: MBLKS	Batch ID: 34156				Analysis Date: 10/25/2021	SeqNo: 1439305					
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	11.9		10.00		119	50	150				
Surr: o-Terphenyl	12.5		10.00		125	50	150				

Sample ID: 2110327-001ADUP	SampType: DUP	Units: mg/Kg-dry			Prep Date: 10/25/2021	RunNo: 70767					
Client ID: T8-S26-E13-115	Batch ID: 34156				Analysis Date: 10/25/2021	SeqNo: 1439307					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	48.2						0		30	
Heavy Oil	ND	96.4						0		30	
Total Petroleum Hydrocarbons	ND	145						0		30	
Surr: 2-Fluorobiphenyl	11.2		9.638		117	50	150		0		
Surr: o-Terphenyl	10.6		9.638		110	50	150		0		

Client Name: **AC**
 Logged by: **Clare Griggs**

Work Order Number: **2110327**
 Date Received: **10/22/2021 2:06:00 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	10.8

* 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: Skanska T8
Work Order Number: 2110328

October 25, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 sample(s) on 10/22/2021 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:
Amelia Oates

*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: Skanska T8
Work Order: 2110328

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110328-001	T8-S29-E11-120	10/22/2021 9:45 AM	10/22/2021 2:06 PM
2110328-002	T8-S23-E14-119	10/22/2021 9:35 AM	10/22/2021 2:06 PM
2110328-003	T8-S28-E10-120	10/22/2021 10:03 AM	10/22/2021 2:06 PM
2110328-004	T8-S28-E12-120	10/22/2021 10:06 AM	10/22/2021 2:06 PM
2110328-005	T8-S27-E11-115	10/22/2021 10:05 AM	10/22/2021 2:06 PM
2110328-006	T8-S32-E13-120	10/22/2021 11:20 AM	10/22/2021 2:06 PM
2110328-007	T8-S38-E13-115	10/22/2021 11:09 AM	10/22/2021 2:06 PM

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

CLIENT: Aspect Consulting

Project: Skanska T8

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: Skanska T8

Lab ID: 2110328-001

Collection Date: 10/22/2021 9:45:00 AM

Client Sample ID: T8-S29-E11-120

Matrix: Soil

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

Batch ID: 34142

Analyst: CR

Vinyl chloride	ND	0.0263		mg/Kg-dry	1	10/23/2021 3:43:00 AM
1,1-Dichloroethene	ND	0.105		mg/Kg-dry	1	10/23/2021 3:43:00 AM
trans-1,2-Dichloroethene	ND	0.0315		mg/Kg-dry	1	10/23/2021 3:43:00 AM
cis-1,2-Dichloroethene	ND	0.0263		mg/Kg-dry	1	10/23/2021 3:43:00 AM
Trichloroethene (TCE)	ND	0.0210		mg/Kg-dry	1	10/23/2021 3:43:00 AM
Tetrachloroethene (PCE)	ND	0.0421		mg/Kg-dry	1	10/23/2021 3:43:00 AM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/23/2021 3:43:00 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/23/2021 3:43:00 AM
Surr: 1-Bromo-4-fluorobenzene	97.8	78.5 - 118		%Rec	1	10/23/2021 3:43:00 AM

Sample Moisture (Percent Moisture)

Batch ID: R70757

Analyst: OK

Percent Moisture	5.82	0.500		wt%	1	10/25/2021 9:27:17 AM
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Lab ID: 2110328-002

Collection Date: 10/22/2021 9:35:00 AM

Client Sample ID: T8-S23-E14-119

Matrix: Soil

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

Batch ID: 34142

Analyst: CR

Vinyl chloride	ND	0.0250		mg/Kg-dry	1	10/23/2021 4:13:08 AM
1,1-Dichloroethene	ND	0.100		mg/Kg-dry	1	10/23/2021 4:13:08 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg-dry	1	10/23/2021 4:13:08 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg-dry	1	10/23/2021 4:13:08 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg-dry	1	10/23/2021 4:13:08 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg-dry	1	10/23/2021 4:13:08 AM
Surr: Dibromofluoromethane	99.3	75.5 - 119		%Rec	1	10/23/2021 4:13:08 AM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	10/23/2021 4:13:08 AM
Surr: 1-Bromo-4-fluorobenzene	97.4	78.5 - 118		%Rec	1	10/23/2021 4:13:08 AM

Sample Moisture (Percent Moisture)

Batch ID: R70757

Analyst: OK

Percent Moisture	6.19	0.500		wt%	1	10/25/2021 9:27:17 AM
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CLIENT: Aspect Consulting

Project: Skanska T8

Lab ID: 2110328-003

Collection Date: 10/22/2021 10:03:00 AM

Client Sample ID: T8-S28-E10-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 34142		Analyst: CR
Vinyl chloride	ND	0.0258		mg/Kg-dry	1	10/23/2021 4:43:15 AM
1,1-Dichloroethene	ND	0.103		mg/Kg-dry	1	10/23/2021 4:43:15 AM
trans-1,2-Dichloroethene	ND	0.0310		mg/Kg-dry	1	10/23/2021 4:43:15 AM
cis-1,2-Dichloroethene	ND	0.0258		mg/Kg-dry	1	10/23/2021 4:43:15 AM
Trichloroethene (TCE)	ND	0.0207		mg/Kg-dry	1	10/23/2021 4:43:15 AM
Tetrachloroethene (PCE)	ND	0.0413		mg/Kg-dry	1	10/23/2021 4:43:15 AM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	10/23/2021 4:43:15 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/23/2021 4:43:15 AM
Surr: 1-Bromo-4-fluorobenzene	97.6	78.5 - 118		%Rec	1	10/23/2021 4:43:15 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70757		Analyst: OK
Percent Moisture	9.36	0.500		wt%	1	10/25/2021 9:27:17 AM



CLIENT: Aspect Consulting
Project: Skanska T8

Lab ID: 2110328-004

Collection Date: 10/22/2021 10:06:00 AM

Client Sample ID: T8-S28-E12-120

Matrix: Soil

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

Batch ID: 34142

Analyst: CR

Vinyl chloride	ND	0.0262		mg/Kg-dry	1	10/23/2021 5:13:23 AM
1,1-Dichloroethene	ND	0.105		mg/Kg-dry	1	10/23/2021 5:13:23 AM
trans-1,2-Dichloroethene	ND	0.0315		mg/Kg-dry	1	10/23/2021 5:13:23 AM
cis-1,2-Dichloroethene	ND	0.0262		mg/Kg-dry	1	10/23/2021 5:13:23 AM
Trichloroethene (TCE)	ND	0.0210		mg/Kg-dry	1	10/23/2021 5:13:23 AM
Tetrachloroethene (PCE)	ND	0.0420		mg/Kg-dry	1	10/23/2021 5:13:23 AM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	10/23/2021 5:13:23 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/23/2021 5:13:23 AM
Surr: 1-Bromo-4-fluorobenzene	97.3	78.5 - 118		%Rec	1	10/23/2021 5:13:23 AM

Sample Moisture (Percent Moisture)

Batch ID: R70757

Analyst: OK

Percent Moisture	5.68	0.500		wt%	1	10/25/2021 9:27:17 AM
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Lab ID: 2110328-005

Collection Date: 10/22/2021 10:05:00 AM

Client Sample ID: T8-S27-E11-115

Matrix: Soil

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

Batch ID: 34142

Analyst: CR

Vinyl chloride	ND	0.0267		mg/Kg-dry	1	10/23/2021 5:43:33 AM
1,1-Dichloroethene	ND	0.107		mg/Kg-dry	1	10/23/2021 5:43:33 AM
trans-1,2-Dichloroethene	ND	0.0320		mg/Kg-dry	1	10/23/2021 5:43:33 AM
cis-1,2-Dichloroethene	ND	0.0267		mg/Kg-dry	1	10/23/2021 5:43:33 AM
Trichloroethene (TCE)	ND	0.0213		mg/Kg-dry	1	10/23/2021 5:43:33 AM
Tetrachloroethene (PCE)	ND	0.0427		mg/Kg-dry	1	10/23/2021 5:43:33 AM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/23/2021 5:43:33 AM
Surr: Toluene-d8	99.0	82.4 - 115		%Rec	1	10/23/2021 5:43:33 AM
Surr: 1-Bromo-4-fluorobenzene	98.5	78.5 - 118		%Rec	1	10/23/2021 5:43:33 AM

Sample Moisture (Percent Moisture)

Batch ID: R70757

Analyst: OK

Percent Moisture	7.74	0.500		wt%	1	10/25/2021 9:27:17 AM
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CLIENT: Aspect Consulting
Project: Skanska T8

Lab ID: 2110328-006

Collection Date: 10/22/2021 11:20:00 AM

Client Sample ID: T8-S32-E13-120

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 34142		Analyst: CR
Vinyl chloride	ND	0.0243		mg/Kg-dry	1	10/23/2021 6:13:40 AM
1,1-Dichloroethene	ND	0.0973		mg/Kg-dry	1	10/23/2021 6:13:40 AM
trans-1,2-Dichloroethene	ND	0.0292		mg/Kg-dry	1	10/23/2021 6:13:40 AM
cis-1,2-Dichloroethene	0.0447	0.0243		mg/Kg-dry	1	10/23/2021 6:13:40 AM
Trichloroethene (TCE)	ND	0.0195		mg/Kg-dry	1	10/23/2021 6:13:40 AM
Tetrachloroethene (PCE)	ND	0.0389		mg/Kg-dry	1	10/23/2021 6:13:40 AM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/23/2021 6:13:40 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/23/2021 6:13:40 AM
Surr: 1-Bromo-4-fluorobenzene	97.5	78.5 - 118		%Rec	1	10/23/2021 6:13:40 AM

<u>Sample Moisture (Percent Moisture)</u>				Batch ID: R70757		Analyst: OK
Percent Moisture	6.39	0.500		wt%	1	10/25/2021 9:27:17 AM



CLIENT: Aspect Consulting

Project: Skanska T8

Lab ID: 2110328-007

Collection Date: 10/22/2021 11:09:00 AM

Client Sample ID: T8-S38-E13-115

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Volatile Organic Compounds by EPA Method 8260D</u>				Batch ID: 34142		Analyst: CR
Vinyl chloride	ND	0.0250		mg/Kg-dry	1	10/23/2021 6:43:47 AM
1,1-Dichloroethene	ND	0.100		mg/Kg-dry	1	10/23/2021 6:43:47 AM
trans-1,2-Dichloroethene	ND	0.0300		mg/Kg-dry	1	10/23/2021 6:43:47 AM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg-dry	1	10/23/2021 6:43:47 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg-dry	1	10/23/2021 6:43:47 AM
Tetrachloroethene (PCE)	ND	0.0400		mg/Kg-dry	1	10/23/2021 6:43:47 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/23/2021 6:43:47 AM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	10/23/2021 6:43:47 AM
Surr: 1-Bromo-4-fluorobenzene	98.5	78.5 - 118		%Rec	1	10/23/2021 6:43:47 AM

Sample Moisture (Percent Moisture)

Batch ID: R70757 Analyst: OK

Percent Moisture	13.1	0.500		wt%	1	10/25/2021 9:27:17 AM
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Work Order: 2110328
CLIENT: Aspect Consulting
Project: Skanska T8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34142	SampType: LCS	Units: mg/Kg				Prep Date: 10/22/2021	RunNo: 70753				
Client ID: LCSS	Batch ID: 34142					Analysis Date: 10/22/2021	SeqNo: 1439033				
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	1.05	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	1.02	0.0250	1.000	0	102	80	120				
Trichloroethene (TCE)	1.03	0.0200	1.000	0	103	80	120				
Tetrachloroethene (PCE)	1.03	0.0400	1.000	0	103	80	120				
Surr: Dibromofluoromethane	1.31		1.250		105	75.5	120				
Surr: Toluene-d8	1.30		1.250		104	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	78.5	120				

Sample ID: MB-34142	SampType: MBLK	Units: mg/Kg				Prep Date: 10/22/2021	RunNo: 70753				
Client ID: MBLKS	Batch ID: 34142					Analysis Date: 10/22/2021	SeqNo: 1439032				
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		101	75.5	119				
Surr: Toluene-d8	1.26		1.250		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.250		96.8	78.5	118				

Sample ID: 2110249-001BDUP	SampType: DUP	Units: mg/Kg-dry				Prep Date: 10/22/2021	RunNo: 70753				
Client ID: BATCH	Batch ID: 34142					Analysis Date: 10/22/2021	SeqNo: 1439014				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0472						0		30	

Work Order: 2110328
 CLIENT: Aspect Consulting
 Project: Skanska T8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110249-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/22/2021	RunNo: 70753							
Client ID: BATCH	Batch ID: 34142		Analysis Date: 10/22/2021	SeqNo: 1439014							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.189						0		30	
trans-1,2-Dichloroethene	ND	0.0567						0		30	
cis-1,2-Dichloroethene	ND	0.0472						0		30	
Trichloroethene (TCE)	ND	0.0378						0		30	
Tetrachloroethene (PCE)	ND	0.0756						0		30	
Surr: Dibromofluoromethane	2.46		2.362		104	75.5	119		0		
Surr: Toluene-d8	2.39		2.362		101	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	2.29		2.362		96.8	78.5	118		0		

Sample ID: 2110286-012BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/22/2021	RunNo: 70753							
Client ID: BATCH	Batch ID: 34142		Analysis Date: 10/23/2021	SeqNo: 1439034							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.14	0.0263	1.052	0	109	50.3	134				
1,1-Dichloroethene	0.952	0.105	1.052	0	90.5	62.2	138				
trans-1,2-Dichloroethene	0.992	0.0316	1.052	0	94.2	70.2	132				
cis-1,2-Dichloroethene	0.980	0.0263	1.052	0	93.2	79.6	125				
Trichloroethene (TCE)	0.975	0.0210	1.052	0	92.6	78.9	132				
Tetrachloroethene (PCE)	0.929	0.0421	1.052	0	88.3	77.7	131				
Surr: Dibromofluoromethane	1.39		1.316		105	75.5	119				
Surr: Toluene-d8	1.35		1.316		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.36		1.316		103	78.5	118				

Sample ID: 2110328-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/22/2021	RunNo: 70753							
Client ID: T8-S38-E13-115	Batch ID: 34142		Analysis Date: 10/23/2021	SeqNo: 1439028							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0250						0		30	
1,1-Dichloroethene	ND	0.100						0		30	

Work Order: 2110328
CLIENT: Aspect Consulting
Project: Skanska T8

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110328-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/22/2021	RunNo: 70753							
Client ID: T8-S38-E13-115	Batch ID: 34142	Analysis Date: 10/23/2021	SeqNo: 1439028								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0300						0		30	
cis-1,2-Dichloroethene	ND	0.0250						0		30	
Trichloroethene (TCE)	ND	0.0200						0		30	
Tetrachloroethene (PCE)	ND	0.0400						0		30	
Surr: Dibromofluoromethane	1.29		1.252		103	75.5	119		0		
Surr: Toluene-d8	1.25		1.252		100	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.21		1.252		96.4	78.5	118		0		

Client Name: AC	Work Order Number: 2110328
Logged by: Clare Griggs	Date Received: 10/22/2021 2:06:00 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
MeOH
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	10.8

* 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: Skanska NE 8th Redevelopment
Work Order Number: 2110359

October 26, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 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:
Amelia Oates

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: Skanska NE 8th Redevelopment
Work Order: 2110359

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110359-001	T8-S36-E12-115	10/25/2021 12:15 PM	10/25/2021 3:51 PM
2110359-002	T8-S36-E14-115	10/25/2021 12:30 PM	10/25/2021 3:51 PM
2110359-003	T8-S35-E13-115	10/25/2021 12:40 PM	10/25/2021 3:51 PM
2110359-004	T8-S32-E12-115	10/25/2021 1:15 PM	10/25/2021 3:51 PM
2110359-005	T8-S33-E13-115	10/25/2021 1:20 PM	10/25/2021 3:51 PM
2110359-006	T8-S31-E13-115	10/25/2021 1:25 PM	10/25/2021 3:51 PM
2110359-007	T8-S32-E14-115	10/25/2021 1:30 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: Skanska NE 8th Redevelopment

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: 10/25/2021 12:15:00 PM

Project: Skanska NE 8th Redevelopment

Lab ID: 2110359-001

Matrix: Soil

Client Sample ID: T8-S36-E12-115

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

Batch ID: 34174

Analyst: CR

Vinyl chloride	ND	0.0247		mg/Kg-dry	1	10/26/2021 10:09:42 AM
1,1-Dichloroethene	ND	0.0987		mg/Kg-dry	1	10/26/2021 10:09:42 AM
trans-1,2-Dichloroethene	ND	0.0296		mg/Kg-dry	1	10/26/2021 10:09:42 AM
cis-1,2-Dichloroethene	0.123	0.0247		mg/Kg-dry	1	10/26/2021 10:09:42 AM
Trichloroethene (TCE)	ND	0.0197		mg/Kg-dry	1	10/26/2021 10:09:42 AM
Tetrachloroethene (PCE)	ND	0.0395		mg/Kg-dry	1	10/26/2021 10:09:42 AM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	10/26/2021 10:09:42 AM
Surr: Toluene-d8	99.7	82.4 - 115		%Rec	1	10/26/2021 10:09:42 AM
Surr: 1-Bromo-4-fluorobenzene	98.6	78.5 - 118		%Rec	1	10/26/2021 10:09:42 AM

Sample Moisture (Percent Moisture)

Batch ID: R70778

Analyst: ALB

Percent Moisture	9.06	0.500		wt%	1	10/26/2021 9:14:37 AM
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Client: Aspect Consulting
Project: Skanska NE 8th Redevelopment
Lab ID: 2110359-002
Client Sample ID: T8-S36-E14-115

Collection Date: 10/25/2021 12:30:00 PM
Matrix: Soil

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

Batch ID: 34174 Analyst: CR

Vinyl chloride	ND	0.0259		mg/Kg-dry	1	10/26/2021 10:39:48 AM
1,1-Dichloroethene	ND	0.104		mg/Kg-dry	1	10/26/2021 10:39:48 AM
trans-1,2-Dichloroethene	ND	0.0311		mg/Kg-dry	1	10/26/2021 10:39:48 AM
cis-1,2-Dichloroethene	0.144	0.0259		mg/Kg-dry	1	10/26/2021 10:39:48 AM
Trichloroethene (TCE)	ND	0.0207		mg/Kg-dry	1	10/26/2021 10:39:48 AM
Tetrachloroethene (PCE)	ND	0.0415		mg/Kg-dry	1	10/26/2021 10:39:48 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/26/2021 10:39:48 AM
Surr: Toluene-d8	99.5	82.4 - 115		%Rec	1	10/26/2021 10:39:48 AM
Surr: 1-Bromo-4-fluorobenzene	99.0	78.5 - 118		%Rec	1	10/26/2021 10:39:48 AM

Sample Moisture (Percent Moisture)

Batch ID: R70778 Analyst: ALB

Percent Moisture	8.71	0.500		wt%	1	10/26/2021 9:14:37 AM
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Client: Aspect Consulting
Project: Skanska NE 8th Redevelopment
Lab ID: 2110359-003
Client Sample ID: T8-S35-E13-115

Collection Date: 10/25/2021 12:40:00 PM
Matrix: Soil

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

Batch ID: 34174 Analyst: CR

Vinyl chloride	0.0535	0.0285		mg/Kg-dry	1	10/26/2021 11:09:54 AM
1,1-Dichloroethene	ND	0.114		mg/Kg-dry	1	10/26/2021 11:09:54 AM
trans-1,2-Dichloroethene	ND	0.0341		mg/Kg-dry	1	10/26/2021 11:09:54 AM
cis-1,2-Dichloroethene	ND	0.0285		mg/Kg-dry	1	10/26/2021 11:09:54 AM
Trichloroethene (TCE)	ND	0.0228		mg/Kg-dry	1	10/26/2021 11:09:54 AM
Tetrachloroethene (PCE)	ND	0.0455		mg/Kg-dry	1	10/26/2021 11:09:54 AM
Surr: Dibromofluoromethane	104	75.5 - 119		%Rec	1	10/26/2021 11:09:54 AM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	10/26/2021 11:09:54 AM
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118		%Rec	1	10/26/2021 11:09:54 AM

Sample Moisture (Percent Moisture)

Batch ID: R70778 Analyst: ALB

Percent Moisture	7.71	0.500		wt%	1	10/26/2021 9:14:37 AM
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Client: Aspect Consulting

Collection Date: 10/25/2021 1:15:00 PM

Project: Skanska NE 8th Redevelopment

Lab ID: 2110359-004

Matrix: Soil

Client Sample ID: T8-S32-E12-115

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

Batch ID: 34174

Analyst: CR

Vinyl chloride	ND	0.0383		mg/Kg-dry	1	10/26/2021 11:40:02 AM
1,1-Dichloroethene	ND	0.153		mg/Kg-dry	1	10/26/2021 11:40:02 AM
trans-1,2-Dichloroethene	ND	0.0459		mg/Kg-dry	1	10/26/2021 11:40:02 AM
cis-1,2-Dichloroethene	0.162	0.0383		mg/Kg-dry	1	10/26/2021 11:40:02 AM
Trichloroethene (TCE)	ND	0.0306		mg/Kg-dry	1	10/26/2021 11:40:02 AM
Tetrachloroethene (PCE)	ND	0.0612		mg/Kg-dry	1	10/26/2021 11:40:02 AM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/26/2021 11:40:02 AM
Surr: Toluene-d8	101	82.4 - 115		%Rec	1	10/26/2021 11:40:02 AM
Surr: 1-Bromo-4-fluorobenzene	98.4	78.5 - 118		%Rec	1	10/26/2021 11:40:02 AM

Sample Moisture (Percent Moisture)

Batch ID: R70778

Analyst: ALB

Percent Moisture	8.58	0.500		wt%	1	10/26/2021 9:14:37 AM
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Client: Aspect Consulting

Collection Date: 10/25/2021 1:20:00 PM

Project: Skanska NE 8th Redevelopment

Lab ID: 2110359-005

Matrix: Soil

Client Sample ID: T8-S33-E13-115

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

Batch ID: 34174

Analyst: CR

Vinyl chloride	ND	0.0357		mg/Kg-dry	1	10/26/2021 12:10:09 PM
1,1-Dichloroethene	ND	0.143		mg/Kg-dry	1	10/26/2021 12:10:09 PM
trans-1,2-Dichloroethene	ND	0.0429		mg/Kg-dry	1	10/26/2021 12:10:09 PM
cis-1,2-Dichloroethene	0.0522	0.0357		mg/Kg-dry	1	10/26/2021 12:10:09 PM
Trichloroethene (TCE)	ND	0.0286		mg/Kg-dry	1	10/26/2021 12:10:09 PM
Tetrachloroethene (PCE)	ND	0.0572		mg/Kg-dry	1	10/26/2021 12:10:09 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	10/26/2021 12:10:09 PM
Surr: Toluene-d8	99.5	82.4 - 115		%Rec	1	10/26/2021 12:10:09 PM
Surr: 1-Bromo-4-fluorobenzene	98.7	78.5 - 118		%Rec	1	10/26/2021 12:10:09 PM

Sample Moisture (Percent Moisture)

Batch ID: R70778

Analyst: ALB

Percent Moisture	8.20	0.500		wt%	1	10/26/2021 9:14:37 AM
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Client: Aspect Consulting
Project: Skanska NE 8th Redevelopment
Lab ID: 2110359-006
Client Sample ID: T8-S31-E13-115

Collection Date: 10/25/2021 1:25:00 PM
Matrix: Soil

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

Batch ID: 34174 Analyst: CR

Vinyl chloride	ND	0.0253		mg/Kg-dry	1	10/26/2021 12:40:15 PM
1,1-Dichloroethene	ND	0.101		mg/Kg-dry	1	10/26/2021 12:40:15 PM
trans-1,2-Dichloroethene	ND	0.0304		mg/Kg-dry	1	10/26/2021 12:40:15 PM
cis-1,2-Dichloroethene	ND	0.0253		mg/Kg-dry	1	10/26/2021 12:40:15 PM
Trichloroethene (TCE)	ND	0.0203		mg/Kg-dry	1	10/26/2021 12:40:15 PM
Tetrachloroethene (PCE)	ND	0.0405		mg/Kg-dry	1	10/26/2021 12:40:15 PM
Surr: Dibromofluoromethane	105	75.5 - 119		%Rec	1	10/26/2021 12:40:15 PM
Surr: Toluene-d8	99.2	82.4 - 115		%Rec	1	10/26/2021 12:40:15 PM
Surr: 1-Bromo-4-fluorobenzene	99.4	78.5 - 118		%Rec	1	10/26/2021 12:40:15 PM

Sample Moisture (Percent Moisture)

Batch ID: R70778 Analyst: ALB

Percent Moisture	9.53	0.500		wt%	1	10/26/2021 9:14:37 AM
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Client: Aspect Consulting

Collection Date: 10/25/2021 1:30:00 PM

Project: Skanska NE 8th Redevelopment

Lab ID: 2110359-007

Matrix: Soil

Client Sample ID: T8-S32-E14-115

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

Batch ID: 34174

Analyst: CR

Vinyl chloride	ND	0.0257		mg/Kg-dry	1	10/26/2021 1:10:22 PM
1,1-Dichloroethene	ND	0.103		mg/Kg-dry	1	10/26/2021 1:10:22 PM
trans-1,2-Dichloroethene	ND	0.0308		mg/Kg-dry	1	10/26/2021 1:10:22 PM
cis-1,2-Dichloroethene	ND	0.0257		mg/Kg-dry	1	10/26/2021 1:10:22 PM
Trichloroethene (TCE)	ND	0.0205		mg/Kg-dry	1	10/26/2021 1:10:22 PM
Tetrachloroethene (PCE)	ND	0.0411		mg/Kg-dry	1	10/26/2021 1:10:22 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	10/26/2021 1:10:22 PM
Surr: Toluene-d8	99.8	82.4 - 115		%Rec	1	10/26/2021 1:10:22 PM
Surr: 1-Bromo-4-fluorobenzene	97.5	78.5 - 118		%Rec	1	10/26/2021 1:10:22 PM

Sample Moisture (Percent Moisture)

Batch ID: R70778

Analyst: ALB

Percent Moisture	6.01	0.500		wt%	1	10/26/2021 9:14:37 AM
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Work Order: 2110359
CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34174	SampType: LCS	Units: µg/L	Prep Date: 10/26/2021	RunNo: 70791							
Client ID: LCSS	Batch ID: 34174		Analysis Date: 10/26/2021	SeqNo: 1439891							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.949	0.0250	1.000	0	94.9	80	120				
1,1-Dichloroethene	0.846	0.100	1.000	0	84.6	80	120				
trans-1,2-Dichloroethene	0.891	0.0300	1.000	0	89.1	80	120				
cis-1,2-Dichloroethene	0.889	0.0250	1.000	0	88.9	80	120				
Trichloroethene (TCE)	0.890	0.0200	1.000	0	89.0	80	120				
Tetrachloroethene (PCE)	0.863	0.0400	1.000	0	86.3	80	120				
Surr: Dibromofluoromethane	1.32		1.250		106	75.5	120				
Surr: Toluene-d8	1.32		1.250		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		102	78.5	120				

Sample ID: MB-34174	SampType: MBLK	Units: mg/Kg	Prep Date: 10/26/2021	RunNo: 70791							
Client ID: MBLKS	Batch ID: 34174		Analysis Date: 10/26/2021	SeqNo: 1439882							
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		101	75.5	119				
Surr: Toluene-d8	1.26		1.250		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.3	78.5	118				

Sample ID: 2110359-007BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/26/2021	RunNo: 70791							
Client ID: T8-S32-E14-115	Batch ID: 34174		Analysis Date: 10/26/2021	SeqNo: 1439879							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0257						0		30	

Work Order: 2110359
CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110359-007BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 10/26/2021		RunNo: 70791			
Client ID: T8-S32-E14-115		Batch ID: 34174				Analysis Date: 10/26/2021		SeqNo: 1439879			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.103						0		30	
trans-1,2-Dichloroethene	ND	0.0308						0		30	
cis-1,2-Dichloroethene	ND	0.0257						0		30	
Trichloroethene (TCE)	ND	0.0205						0		30	
Tetrachloroethene (PCE)	ND	0.0411						0		30	
Surr: Dibromofluoromethane	1.29		1.284		101	75.5	119		0		
Surr: Toluene-d8	1.29		1.284		100	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.26		1.284		98.2	78.5	118		0		

Sample ID: 2110359-006BMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 10/26/2021		RunNo: 70791			
Client ID: T8-S31-E13-115		Batch ID: 34174				Analysis Date: 10/26/2021		SeqNo: 1439877			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	1.04	0.0253	1.014	0	102	50.3	134				
1,1-Dichloroethene	1.04	0.101	1.014	0	103	62.2	138				
trans-1,2-Dichloroethene	1.13	0.0304	1.014	0	111	70.2	132				
cis-1,2-Dichloroethene	1.11	0.0253	1.014	0	110	79.6	125				
Trichloroethene (TCE)	1.12	0.0203	1.014	0	111	78.9	132				
Tetrachloroethene (PCE)	1.08	0.0405	1.014	0	106	77.7	131				
Surr: Dibromofluoromethane	1.36		1.267		107	75.5	119				
Surr: Toluene-d8	1.31		1.267		104	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.267		103	78.5	118				

Client Name: **AC**

 Work Order Number: **2110359**

 Logged by: **Clare Griggs**

 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	4.5

* 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: Skanska the Eight Redevelopment
Work Order Number: 2110422

October 28, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 3 sample(s) on 10/27/2021 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:
Amelia Oates

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: 10/28/2021

CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment
Work Order: 2110422

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2110422-001	T8-S36-E15-120	10/27/2021 10:20 AM	10/27/2021 1:24 PM
2110422-002	T8-S36-E11-120	10/27/2021 12:00 PM	10/27/2021 1:24 PM
2110422-003	T8-S32-E11-120	10/27/2021 12:30 PM	10/27/2021 1:24 PM

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

Original

CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

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: 10/27/2021 10:20:00 AM

Project: Skanska the Eight Redevelopment

Lab ID: 2110422-001

Matrix: Soil

Client Sample ID: T8-S36-E15-120

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

Batch ID: 34197

Analyst: CR

Vinyl chloride	ND	0.0388	0.0157		mg/Kg-dry	1	10/27/21 20:53:49
1,1-Dichloroethene	ND	0.155	0.0721		mg/Kg-dry	1	10/27/21 20:53:49
trans-1,2-Dichloroethene	ND	0.0466	0.00674		mg/Kg-dry	1	10/27/21 20:53:49
cis-1,2-Dichloroethene	ND	0.0388	0.0100		mg/Kg-dry	1	10/27/21 20:53:49
Trichloroethene (TCE)	ND	0.0311	0.0124		mg/Kg-dry	1	10/27/21 20:53:49
Tetrachloroethene (PCE)	ND	0.0621	0.00732		mg/Kg-dry	1	10/27/21 20:53:49
Surr: Dibromofluoromethane	106	75.5 - 119	0		%Rec	1	10/27/21 20:53:49
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	10/27/21 20:53:49
Surr: 1-Bromo-4-fluorobenzene	98.3	78.5 - 118	0		%Rec	1	10/27/21 20:53:49

Sample Moisture (Percent Moisture)

Batch ID: R70820

Analyst: ALB

Percent Moisture	7.57	0.500	0.100		wt%	1	10/27/21 13:40:19
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Client: Aspect Consulting

Collection Date: 10/27/2021 12:00:00 PM

Project: Skanska the Eight Redevelopment

Lab ID: 2110422-002

Matrix: Soil

Client Sample ID: T8-S36-E11-120

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

Batch ID: 34197

Analyst: CR

Vinyl chloride	ND	0.0261	0.0105		mg/Kg-dry	1	10/27/21 21:23:58
1,1-Dichloroethene	ND	0.104	0.0485		mg/Kg-dry	1	10/27/21 21:23:58
trans-1,2-Dichloroethene	ND	0.0313	0.00453		mg/Kg-dry	1	10/27/21 21:23:58
cis-1,2-Dichloroethene	ND	0.0261	0.00673		mg/Kg-dry	1	10/27/21 21:23:58
Trichloroethene (TCE)	ND	0.0209	0.00833		mg/Kg-dry	1	10/27/21 21:23:58
Tetrachloroethene (PCE)	ND	0.0418	0.00492		mg/Kg-dry	1	10/27/21 21:23:58
Surr: Dibromofluoromethane	106	75.5 - 119	0		%Rec	1	10/27/21 21:23:58
Surr: Toluene-d8	103	82.4 - 115	0		%Rec	1	10/27/21 21:23:58
Surr: 1-Bromo-4-fluorobenzene	98.8	78.5 - 118	0		%Rec	1	10/27/21 21:23:58

Sample Moisture (Percent Moisture)

Batch ID: R70820

Analyst: ALB

Percent Moisture	12.3	0.500	0.100		wt%	1	10/27/21 13:40:19
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Client: Aspect Consulting
Project: Skanska the Eight Redevelopment
Lab ID: 2110422-003
Client Sample ID: T8-S32-E11-120

Collection Date: 10/27/2021 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: 34197 Analyst: CR

Vinyl chloride	ND	0.0230	0.00927		mg/Kg-dry	1	10/27/21 21:54:08
1,1-Dichloroethene	ND	0.0919	0.0426		mg/Kg-dry	1	10/27/21 21:54:08
trans-1,2-Dichloroethene	ND	0.0276	0.00399		mg/Kg-dry	1	10/27/21 21:54:08
cis-1,2-Dichloroethene	ND	0.0230	0.00592		mg/Kg-dry	1	10/27/21 21:54:08
Trichloroethene (TCE)	ND	0.0184	0.00733		mg/Kg-dry	1	10/27/21 21:54:08
Tetrachloroethene (PCE)	ND	0.0368	0.00433		mg/Kg-dry	1	10/27/21 21:54:08
Surr: Dibromofluoromethane	106	75.5 - 119	0		%Rec	1	10/27/21 21:54:08
Surr: Toluene-d8	103	82.4 - 115	0		%Rec	1	10/27/21 21:54:08
Surr: 1-Bromo-4-fluorobenzene	99.0	78.5 - 118	0		%Rec	1	10/27/21 21:54:08

Sample Moisture (Percent Moisture)

Batch ID: R70820 Analyst: ALB

Percent Moisture	8.67	0.500	0.100		wt%	1	10/27/21 13:40:19
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Work Order: 2110422
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-34197	SampType: LCS	Units: mg/Kg				Prep Date: 10/27/2021	RunNo: 70845				
Client ID: LCSS	Batch ID: 34197					Analysis Date: 10/27/2021	SeqNo: 1441209				
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
1,1-Dichloroethene	1.07	0.100	1.000	0	107	80	120				
trans-1,2-Dichloroethene	1.12	0.0300	1.000	0	112	80	120				
cis-1,2-Dichloroethene	1.11	0.0250	1.000	0	111	80	120				
Trichloroethene (TCE)	1.11	0.0200	1.000	0	111	80	120				
Tetrachloroethene (PCE)	1.10	0.0400	1.000	0	110	80	120				
Surr: Dibromofluoromethane	1.34		1.250		107	75.5	120				
Surr: Toluene-d8	1.31		1.250		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.250		104	78.5	120				

NOTES:

S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: MB-34197	SampType: MBLK	Units: mg/Kg				Prep Date: 10/27/2021	RunNo: 70845				
Client ID: MBLKS	Batch ID: 34197					Analysis Date: 10/27/2021	SeqNo: 1441208				
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	1.30		1.250		104	75.5	119				
Surr: Toluene-d8	1.27		1.250		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.25		1.250		99.8	78.5	118				

Work Order: 2110422
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110372-008BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/27/2021	RunNo: 70845							
Client ID: BATCH	Batch ID: 34197		Analysis Date: 10/27/2021	SeqNo: 1441198							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0319						0		30	
1,1-Dichloroethene	ND	0.127						0		30	
trans-1,2-Dichloroethene	ND	0.0382						0		30	
cis-1,2-Dichloroethene	ND	0.0319						0		30	
Trichloroethene (TCE)	ND	0.0255						0		30	
Tetrachloroethene (PCE)	ND	0.0510						0		30	
Surr: Dibromofluoromethane	1.65		1.594		104	75.5	119		0		
Surr: Toluene-d8	1.62		1.594		102	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.60		1.594		100	78.5	118		0		

Sample ID: 2110340-014BMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 10/27/2021	RunNo: 70845							
Client ID: BATCH	Batch ID: 34197		Analysis Date: 10/28/2021	SeqNo: 1441191							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	0.853	0.0231	0.9247	0	92.2	50.3	134				
1,1-Dichloroethene	0.796	0.0925	0.9247	0	86.0	62.2	138				
trans-1,2-Dichloroethene	0.829	0.0277	0.9247	0	89.6	70.2	132				
cis-1,2-Dichloroethene	0.841	0.0231	0.9247	0	91.0	79.6	125				
Trichloroethene (TCE)	0.845	0.0185	0.9247	0	91.4	78.9	132				
Tetrachloroethene (PCE)	0.818	0.0370	0.9247	0.01210	87.1	77.7	131				
Surr: Dibromofluoromethane	1.23		1.156		106	75.5	119				
Surr: Toluene-d8	1.19		1.156		103	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.156		103	78.5	118				

Sample ID: 2110340-009BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/27/2021	RunNo: 70845							
Client ID: BATCH	Batch ID: 34197		Analysis Date: 10/28/2021	SeqNo: 1441187							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0219						0		30	

Work Order: 2110422
CLIENT: Aspect Consulting
Project: Skanska the Eight Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2110340-009BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 10/27/2021	RunNo: 70845							
Client ID: BATCH	Batch ID: 34197	Analysis Date: 10/28/2021	SeqNo: 1441187								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.0877						0		30	
trans-1,2-Dichloroethene	ND	0.0263						0		30	
cis-1,2-Dichloroethene	ND	0.0219						0		30	
Trichloroethene (TCE)	ND	0.0175						0		30	
Tetrachloroethene (PCE)	ND	0.0351						0		30	
Surr: Dibromofluoromethane	1.09		1.097		99.0	75.5	119		0		
Surr: Toluene-d8	1.17		1.097		107	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.27		1.097		116	78.5	118		0		

Client Name: **AC**

 Work Order Number: **2110422**

 Logged by: **Clare Griggs**

 Date Received: **10/27/2021 1:24:07 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	4.8

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

