CLEARY CONSULTANTS, INC.
Geotechnical Engineers and Geologists

Christophe A. Ciechanowski, President, GE
Grant F. Foster, Vice-President, GE
J. Michael Cleary, Principal, CEG, GE

December 24, 2019
Project No. 978.14G
Ser. 6389

Mr. Julio Lucas, Director of Construction
East Side Union High School District
830 North Capitol Avenue
San Jose, California 95133

RE: ENVIRONMENTAL SOIL SCREENING TEST RESULTS
ROCKY MOUNTAIN DRIVE ENTRY GATE PROJECT
MOUNT PLEASANT HIGH SCHOOL
1750 SOUTH WHITE ROAD
SAN JOSE, CALIFORNIA

Dear Mr. Lucas:

As requested, we are submitting environmental screening test results for the on-site soils located at the planned Rocky Mountain Drive Entry Gate project at the Mount Pleasant High School campus in San Jose, California. Our proposal for the soil screening was submitted September 25, 2019.

Four discrete representative samples within the upper 6-12 inches of in-situ soils throughout the project site, as shown on the attached Drawing No. 1, were collected on October 21, 2019 during the drilling of a geotechnical boring (one location) and via hand auger sampling (three locations). The soil samples were stored in a cooler with cold packs and then picked up by a TestAmerica environmental lab courier on October 23, 2019 for discrete sample testing.

Soils analysis for each sample included TPH EPA 8260B – Gas, TEPH EPA 8015B – Diesel and Motor Oil, EPA 8260B – VOC's, EPA 8270C – Semivolatiles, EPA 8081A – Pesticides, EPA 8082 – PCB's, EPA 6010B and 7471A – CAM 17 Metals and Mercury, EPA 7199 – Chromium VI, EPA 6010B – Arsenic and Chromium STLC, and CARB-435 – Asbestos. These tests are generally standard requirements for unrestricted use sites and landfills. The results of the analyses dated November 4, 2019 are attached to this letter (Job ID: 720-95705-1). Additional soil analyses for one sample (MPHSEG-ENV-C) included Chromium TCLP, due to the TTLC levels indicated in the initial laboratory testing results. The results of the additional analyses dated November 13, 2019, are also attached to this letter (Job ID: 720-95705-2).

The attached summary reports prepared by TestAmerica detail the lab analysis results. These test results were compared to the Federal (RCRA-TCLP) and State (Title 22-STLC, TTLC) hazardous

waste criteria, the most recent (January 2019 Rev. 2) SF Bay RWQCB environmental screening levels (ESLs) for shallow soils and residential land use, and the California Human Health Screening Levels (CHHSLs) which are concentrations of chemicals in soil below thresholds of concern for risks to human health. The CHHSLs have no regulatory effect and are not intended for use by regulatory agencies that have authority to require remediation of contaminated soil. The numbers are solely advisory and published as reference values for use by citizen groups, community organizations, property owners, developers, and local government officials to estimate the degree of effort that may be necessary to remediate a contaminated site. ESLs are typically used by landfills and trucking companies to determine the appropriate site/location for re-use or disposal of soil.

The metals results were also compared to average background metal concentrations in soils in Santa Clara County, Lawrence Berkeley National Laboratory (LBL), and the upper background limit for Arsenic (Establishing Background Arsenic in Soil of the Urbanized San Francisco region, Duverge 2011).

Sample MPHSEG-ENV-A@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 5, Job ID: 720-95705-1) are all either below the ESLs and the CHHSLs, or are generally within the range of expected background metal concentrations with the exception of Chlordane, Arsenic, Lead, Vanadium and Zinc. All other test results were non-detectable (ND).

Chlordane (0.016 mg/kg result) is above the ESL (0.0085 mg/kg). However, Chlordane is below the CHHSL (0.43 mg/kg) and the state TTLC criteria (2.5 mg/kg).

Arsenic (3.6 mg/kg result) is above the ESL (0.067 mg/kg) and the CHHSL (0.07 mg/kg). However, Arsenic is within the Santa Clara County Background levels (0.2 to 5.5 mg/kg) and is below the mean value for Arsenic (5.5 mg/kg) in the soil at LBL. Arsenic is also below the state TTLC criteria (500 mg/kg) and the proposed upper background limit of 11 mg/kg (Duverge 2011) for soils in the flatland locations of the San Francisco Bay Area. Additional Arsenic STLC results (0.11 mg/L) are below the state STLC criteria of 5.0 mg/L.

Lead (17 mg/kg result) is above the mean value for Lead (7.0 mg/kg) in the soil at LBL and the Santa Clara County Background levels (6.8 to 16.1 mg/kg). However, Lead is below the ESL (32 mg/kg), the CHHSL (80 mg/kg), and the state TTLC criteria (1000 mg/kg).

Vanadium (38 mg/kg result) is above the ESL (18 mg/kg). However, Vanadium is below the mean value for Vanadium (46 mg/kg) in the soil at LBL, the CHHSL (530 mg/kg) and the state TTLC criteria (2400 mg/kg).

Zinc (90 mg/kg result) is above the Santa Clara County Background levels (47.7 to 82.8 mg/kg) and the mean value for Zinc (64 mg/kg) in the soil at LBL. However, Zinc is below the ESL (340 mg/kg), the CHHSL (23000 mg/kg) and the state TTLC criteria (5000 mg/kg).

Sample MPHSEG-ENV-B@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 5, Job ID: 720-95705-1) are all either below the ESLs and the CHHSLs, or are generally within the range of expected background metal concentrations with the exception of Arsenic and Vanadium. All other test results were non-detectable (ND).

Arsenic (3.0 mg/kg result) is above the ESL (0.067 mg/kg) and the CHHSL (0.07 mg/kg). However, Arsenic is within the Santa Clara County Background levels (0.2 to 5.5 mg/kg) and is below the mean value for Arsenic (5.5 mg/kg) in the soil at LBL. Arsenic is also below the state TTLC criteria (500 mg/kg) and the proposed upper background limit of 11 mg/kg (Duverge 2011) for soils in the flatland locations of the San Francisco Bay Area. Additional Arsenic STLC results (0.11 mg/L) are below the state STLC criteria of 5.0 mg/L.

Vanadium (34 mg/kg result) is above the ESL (18 mg/kg). However, Vanadium is below the mean value for Vanadium (46 mg/kg) in the soil at LBL, the CHHSL (530 mg/kg) and the state TTLC criteria (2400 mg/kg).

Sample MPHSEG-ENV-C@0.5'

The results indicate that the detected contaminants (see Detection Summary Pages 5-6, Job ID: 720-95705-1 and Page 5, Job ID: 720-95705-2) are all either below the ESLs and the CHHSLs, or are generally within the range of expected background metal concentrations with the exception of Arsenic, Chromium, Nickel and Vanadium. All other test results were non-detectable (ND).

Arsenic (2.6 mg/kg result) is above the ESL (0.067 mg/kg) and the CHHSL (0.07 mg/kg). However, Arsenic is within the Santa Clara County Background levels (0.2 to 5.5 mg/kg) and is below the mean value for Arsenic (5.5 mg/kg) in the soil at LBL. Arsenic is also below the state TTLC criteria (500 mg/kg) and the proposed upper background limit of 11 mg/kg (Duverge 2011)

for soils in the flatland locations of the San Francisco Bay Area. Additional Arsenic STLC results (0.12 mg/L) are below the state STLC criteria of 5.0 mg/L.

Chromium (110 mg/kg result) is above the Santa Clara County Background levels (30.5 to 72 mg/kg) and the mean value for Chromium (58 mg/kg) in the soil at LBL. However, Chromium is below the ESL (160 mg/kg) and the state TTLC criteria (2500 mg/kg). Additional Chromium STLC results (0.17 mg/L) are below the state STLC criteria of 5.0 mg/L. Additional Chromium TCLP results are non-detectable (ND).

Nickel (170 mg/kg result) is above the ESL (86 mg/kg), the mean value for Nickel (68 mg/kg) in the soil at LBL and is above the Santa Clara County Background levels (46.4 to 101 mg/kg). However, Nickel is below the CHHSL (1600 mg/kg) and the state TTLC criteria (2000 mg/kg).

Vanadium (27 mg/kg result) is above the ESL (18 mg/kg). However, Vanadium is below the mean value for Vanadium (46 mg/kg) in the soil at LBL, the CHHSL (530 mg/kg) and the state TTLC criteria (2400 mg/kg).

Sample MPHSEG-ENV-D@0.5'

The results indicate that the detected contaminants (see Detection Summary Page 6, Job ID: 720-95705-1) are all either below the ESLs and the CHHSLs, or are generally within the range of expected background metal concentrations with the exception of Dieldrin, DDT, Chlordane, Arsenic, Lead and Vanadium. All other test results were non-detectable (ND).

Dieldrin (0.00082 mg/kg result) is above the ESL (0.00046 mg/kg). However, Dieldrin is below the CHHSL (0.035 mg/kg) and the state TTLC criteria (8.0 mg/kg).

DDT (Dichlorodiphenyltrichloroethane) (0.0027 mg/kg result) is above the ESL (0.0011 mg/kg). However, DDT is below the CHHSL (1.6 mg/kg) and the state TTLC criteria (1.0 mg/kg).

Chlordane (0.017 mg/kg result) is above the ESL (0.0085 mg/kg). However, Chlordane is below the CHHSL (0.43 mg/kg) and the state TTLC criteria (2.5 mg/kg).

Arsenic (3.9 mg/kg result) is above the ESL (0.067 mg/kg) and the CHHSL (0.07 mg/kg). However, Arsenic is within the Santa Clara County Background levels (0.2 to 5.5 mg/kg) and is below the mean value for Arsenic (5.5 mg/kg) in the soil at LBL. Arsenic is also below the state TTLC criteria (500 mg/kg) and the proposed upper background limit of 11 mg/kg (Duverge 2011) for soils in the flatland locations of the San Francisco Bay Area. Additional Arsenic STLC results (0.11 mg/L) are below the state STLC criteria of 5.0 mg/L.

Lead (18 mg/kg result) is above the mean value for Lead (7.0 mg/kg) in the soil at LBL and the Santa Clara County Background levels (6.8 to 16.1 mg/kg). However, Lead is below the ESL (32 mg/kg), the CHHSL (80 mg/kg), and the state TTLC criteria (1000 mg/kg).

Vanadium (46 mg/kg result) is above the ESL (18 mg/kg) and is equal to the mean value for Vanadium (46 mg/kg) in the soil at LBL. However, Vanadium is below the CHHSL (530 mg/kg) and the state TTLC criteria (2400 mg/kg).

Conclusions

The results of our environmental soil screening for the Rocky Mountain Drive Entry Gate project at the Mount Pleasant High School campus in San Jose, California indicate the presence of Dieldrin, DDT, Chlordane, Arsenic, Nickel and Vanadium above the January 2019 – Revision 2 ESLs.

Dieldrin levels in sample MPHSEG-ENV-D are above the ESL.

DDT levels in sample MPHSEG-ENV-D are above the January 2019 ESL. The January 2019 ESL for DDT was lowered from 1.9 mg/kg (February 2016) to 0.0011 mg/kg.

Chlordane levels in samples MPHSEG-ENV-A and -D are above the ESL.

Arsenic levels in all four samples are above the ESL, but Arsenic is below the proposed upper background limit of 11 mg/kg for the San Francisco Bay Area.

Nickel levels in sample MPHSEG-ENV-C are above the ESL.

Vanadium levels in all four samples are above the ESL.

This screening was intended for preliminary analysis; additional sampling and discrete soil screening analysis may be required by landfills or trucking companies based on quantity of soil or site area prior to offhaul or disposal of excess materials.

Our services were performed in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties, either expressed or implied.

We appreciate the opportunity to provide our services to The District and its consultants. If you have any questions regarding this letter, please call.

Yours very truly,

CLEARY CONSULTANTS, INC.

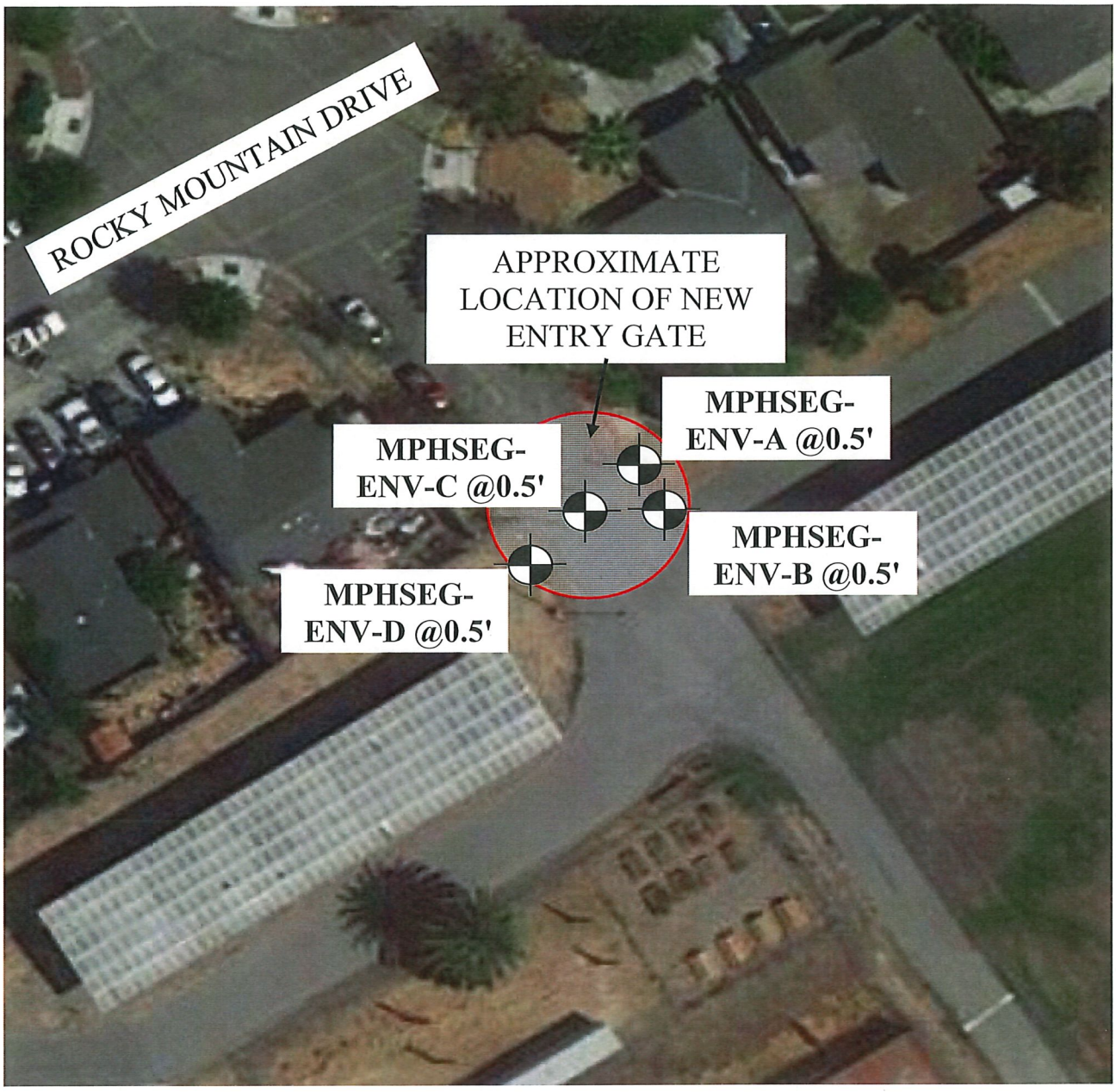
Dustin Lettenberger
Staff Engineer

Grant Foster
Geotechnical Engineer 2662

DL/GF:cs

Copies: Addressee (email)
Gilbane Building Company (email) Attn: Alex Morrison, Kwan Choi

Attachments:
Drawing 1 – Environmental Soil Screening Sample Locations
TestAmerica Results, Job ID 720-95705-1 (66 Pages) November 4, 2019
TestAmerica Results, Job ID 720-95705-2 (14 Pages) November 13, 2019



EXPLANATION

MPHSEG-ENV-A @0.5' Approximate Location of Environmental Soil Sampling

BASE: Google Maps, most recent available satallite imagry (undated), downloaded December 13, 2019

ENVIRONMENTAL SOIL SCREENING SAMPLE LOCATIONS

CLEARY CONSULTANTS, INC.
Geotechnical Engineers and Geologists

ROCKY MOUNTAIN DRIVE ENTRY GATE PROJECT
Mt. Pleasant High School
San Jose, California

APPROVED BY	SCALE	PROJECT NO.	DATE	DRAWING NO.
GF	1" = 40' ±	978.14G	December 2019	1

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

Laboratory Job ID: 720-95705-1
Client Project/Site: Mt. Pleasant High School-New Entry Gate

For:
Cleary Consultants, Inc
560 Division Street
Campbell, California 95008

Attn: Grant Foster

Authorized for release by:
11/4/2019 10:50:06 AM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 7
Surrogate Summary 27
QC Sample Results 30
QC Association Summary 49
Lab Chronicle 54
Certification Summary 57
Method Summary 58
Sample Summary 59
Subcontract Data 60
Chain of Custody 63
Receipt Checklists 65

Definitions/Glossary

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Qualifiers

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

HPLC/IC

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

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 720-95705-1

Laboratory: Eurofins TestAmerica, Pleasanton

Narrative

Job Narrative
720-95705-1

Comments
No additional comments.

Receipt
The samples were received on 10/23/2019 1:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.1° C.

GC/MS VOA

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

GC/MS Semi VOA
Method 8270C: Surrogate recovery for the following samples were outside control limits: MPHSEG-ENV-A@0.5' (720-95705-1) and MPHSEG-ENV-D@0.5' (720-95705-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270C: The following sample was diluted due to the abundance of non-target analytes: MPHSEG-ENV-D@0.5' (720-95705-4). Elevated reporting limits (RLs) are provided.

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

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

GC Semi VOA
Method 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: MPHSEG-ENV-A@0.5' (720-95705-1), MPHSEG-ENV-B@0.5' (720-95705-2), MPHSEG-ENV-C@0.5' (720-95705-3) and MPHSEG-ENV-D@0.5' (720-95705-4).

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for trans-Chlordane and cis-Chlordane for the following sample: MPHSEG-ENV-A@0.5' (720-95705-1). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 8081A: The %RPD between the primary and confirmation column exceeded 40% for 4'-DDD, 4,4'-DDT, cis-Chlordane and trans-Chlordane for the following sample: MPHSEG-ENV-D@0.5' (720-95705-4). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

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

Metals

Method 6010B: The following samples were diluted due to the abundance of non-target analytes: MPHSEG-ENV-A@0.5' (720-95705-1), MPHSEG-ENV-B@0.5' (720-95705-2), MPHSEG-ENV-C@0.5' (720-95705-3), MPHSEG-ENV-D@0.5' (720-95705-4) . Elevated reporting limits (RLs) are provided.

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

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

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

Detection Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-A@0.5'
Lab Sample ID: 720-95705-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	34		1.9	0.73	mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	96		48	9.7	mg/Kg	1		8015B	Silica Gel Cleanup
4,4'-DDE	0.0017	J	0.0019	0.00041	mg/Kg	1		8081A	Total/NA
Chlordane (technical)	0.016	J	0.039	0.0031	mg/Kg	1		8081A	Total/NA
cis-Chlordane	0.0029	p	0.0019	0.00039	mg/Kg	1		8081A	Total/NA
trans-Chlordane	0.0025	p	0.0019	0.00044	mg/Kg	1		8081A	Total/NA
Antimony	2.4	B	1.5	0.24	mg/Kg	4		6010B	Total/NA
Arsenic	3.6		2.9	0.25	mg/Kg	4		6010B	Total/NA
Barium	310		1.5	0.21	mg/Kg	4		6010B	Total/NA
Beryllium	0.72		0.29	0.095	mg/Kg	4		6010B	Total/NA
Cadmium	0.33	J	0.36	0.036	mg/Kg	4		6010B	Total/NA
Chromium	65		1.5	0.15	mg/Kg	4		6010B	Total/NA
Cobalt	11		0.58	0.058	mg/Kg	4		6010B	Total/NA
Copper	22		4.4	2.1	mg/Kg	4		6010B	Total/NA
Lead	17		1.5	0.31	mg/Kg	4		6010B	Total/NA
Nickel	78		1.5	0.15	mg/Kg	4		6010B	Total/NA
Vanadium	38		1.5	0.20	mg/Kg	4		6010B	Total/NA
Zinc	90		4.4	1.9	mg/Kg	4		6010B	Total/NA
Arsenic	0.11		0.10	0.029	mg/L	1		6010B	STLC Citrate
Chromium	0.098	J	0.10	0.0070	mg/L	1		6010B	STLC Citrate
Mercury	0.057		0.016	0.0024	mg/Kg	1		7471A	Total/NA

Client Sample ID: MPHSEG-ENV-B@0.5'
Lab Sample ID: 720-95705-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.7	J	2.0	0.74	mg/Kg	1		8015B	Silica Gel Cleanup
Cr (VI)	0.18	J	0.30	0.15	mg/Kg	3		7199	Total/NA
Antimony	1.9	B	1.4	0.24	mg/Kg	4		6010B	Total/NA
Arsenic	3.0		2.9	0.24	mg/Kg	4		6010B	Total/NA
Barium	280		1.4	0.20	mg/Kg	4		6010B	Total/NA
Beryllium	0.74		0.29	0.094	mg/Kg	4		6010B	Total/NA
Cadmium	0.28	J	0.36	0.036	mg/Kg	4		6010B	Total/NA
Chromium	61		1.4	0.15	mg/Kg	4		6010B	Total/NA
Cobalt	11		0.58	0.058	mg/Kg	4		6010B	Total/NA
Copper	17		4.3	2.0	mg/Kg	4		6010B	Total/NA
Lead	8.3		1.4	0.30	mg/Kg	4		6010B	Total/NA
Nickel	81		1.4	0.15	mg/Kg	4		6010B	Total/NA
Vanadium	34		1.4	0.20	mg/Kg	4		6010B	Total/NA
Zinc	42		4.3	1.8	mg/Kg	4		6010B	Total/NA
Arsenic	0.11		0.10	0.029	mg/L	1		6010B	STLC Citrate
Chromium	0.068	J	0.10	0.0070	mg/L	1		6010B	STLC Citrate
Mercury	0.051		0.016	0.0024	mg/Kg	1		7471A	Total/NA

Client Sample ID: MPHSEG-ENV-C@0.5'
Lab Sample ID: 720-95705-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	9.8		2.0	0.74	mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	35	J	49	9.8	mg/Kg	1		8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pleasanton

Client Sample ID: MPHSEG-ENV-C@0.5' (Continued)
Lab Sample ID: 720-95705-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	3.5	B	1.9	0.31	mg/Kg	4		6010B	Total/NA
Arsenic	2.6	J	3.7	0.31	mg/Kg	4		6010B	Total/NA
Barium	240		1.9	0.26	mg/Kg	4		6010B	Total/NA
Beryllium	0.66		0.37	0.12	mg/Kg	4		6010B	Total/NA
Cadmium	0.29	J	0.46	0.046	mg/Kg	4		6010B	Total/NA
Chromium	110		1.9	0.20	mg/Kg	4		6010B	Total/NA
Cobalt	15		0.74	0.074	mg/Kg	4		6010B	Total/NA
Copper	16		5.6	2.6	mg/Kg	4		6010B	Total/NA
Lead	9.1		1.9	0.39	mg/Kg	4		6010B	Total/NA
Nickel	170		1.9	0.19	mg/Kg	4		6010B	Total/NA
Vanadium	27		1.9	0.25	mg/Kg	4		6010B	Total/NA
Zinc	40		5.6	2.4	mg/Kg	4		6010B	Total/NA
Arsenic	0.12		0.10	0.029	mg/L	1		6010B	STLC Citrate
Chromium	0.17		0.10	0.0070	mg/L	1		6010B	STLC Citrate
Mercury	0.044		0.014	0.0021	mg/Kg	1		7471A	Total/NA

Client Sample ID: MPHSEG-ENV-D@0.5'
Lab Sample ID: 720-95705-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	16		2.0	0.73	mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	80		49	9.8	mg/Kg	1		8015B	Silica Gel Cleanup
Dieldrin	0.00082	J	0.0019	0.00057	mg/Kg	1		8081A	Total/NA
4,4'-DDT	0.0027	p	0.0019	0.00040	mg/Kg	1		8081A	Total/NA
4,4'-DDE	0.020		0.0019	0.00041	mg/Kg	1		8081A	Total/NA
4,4'-DDD	0.00066	J p	0.0019	0.00059	mg/Kg	1		8081A	Total/NA
Chlordane (technical)	0.017	J	0.039	0.0031	mg/Kg	1		8081A	Total/NA
cis-Chlordane	0.0029	p	0.0019	0.00039	mg/Kg	1		8081A	Total/NA
trans-Chlordane	0.0018	J p	0.0019	0.00044	mg/Kg	1		8081A	Total/NA
Antimony	1.5	B	1.4	0.23	mg/Kg	4		6010B	Total/NA
Arsenic	3.9		2.7	0.23	mg/Kg	4		6010B	Total/NA
Barium	230		1.4	0.19	mg/Kg	4		6010B	Total/NA
Beryllium	0.55		0.27	0.088	mg/Kg	4		6010B	Total/NA
Cadmium	0.31	J	0.34	0.034	mg/Kg	4		6010B	Total/NA
Chromium	50		1.4	0.14	mg/Kg	4		6010B	Total/NA
Cobalt	9.3		0.54	0.054	mg/Kg	4		6010B	Total/NA
Copper	25		4.1	1.9	mg/Kg	4		6010B	Total/NA
Lead	18		1.4	0.29	mg/Kg	4		6010B	Total/NA
Molybdenum	0.26	J	1.4	0.17	mg/Kg	4		6010B	Total/NA
Nickel	66		1.4	0.14	mg/Kg	4		6010B	Total/NA
Thallium	0.42	J	1.4	0.39	mg/Kg	4		6010B	Total/NA
Vanadium	46		1.4	0.19	mg/Kg	4		6010B	Total/NA
Zinc	63		4.1	1.7	mg/Kg	4		6010B	Total/NA
Arsenic	0.11		0.10	0.029	mg/L	1		6010B	STLC Citrate
Chromium	0.10		0.10	0.0070	mg/L	1		6010B	STLC Citrate
Mercury	0.077		0.015	0.0022	mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-A@0.5'
Lab Sample ID: 720-95705-1
Date Collected: 10/21/19 10:00
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	1.2	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Acetone	ND		50	38	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Benzene	ND		5.0	0.65	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Dichlorobromomethane	ND		5.0	0.72	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Bromobenzene	ND		5.0	0.79	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Chlorobromomethane	ND		20	0.72	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Bromoform	ND		5.0	2.0	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Bromomethane	ND		10	0.79	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
2-Butanone (MEK)	ND		50	21	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
sec-Butylbenzene	ND		5.0	0.72	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
tert-Butylbenzene	ND		5.0	0.73	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Carbon disulfide	ND		5.0	2.0	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Carbon tetrachloride	ND		5.0	0.62	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Chlorobenzene	ND		5.0	0.69	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Chloroethane	ND		10	0.56	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Chloroform	ND		5.0	0.66	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Chloromethane	ND		10	0.79	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
2-Chlorotoluene	ND		5.0	0.65	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
4-Chlorotoluene	ND		5.0	0.68	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,2-Dichlorobenzene	ND		5.0	0.68	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,3-Dichlorobenzene	ND		5.0	0.72	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,4-Dichlorobenzene	ND		5.0	0.71	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,3-Dichloropropane	ND		5.0	0.73	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,1-Dichloropropene	ND		5.0	0.69	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,2-Dibromo-3-Chloropropane	ND		10	1.7	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Ethylene Dibromide	ND		5.0	1.4	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Dibromomethane	ND		10	0.86	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Dichlorodifluoromethane	ND		10	0.79	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,1-Dichloroethane	ND		5.0	0.68	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,2-Dichloroethane	ND		5.0	0.76	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,1-Dichloroethene	ND		5.0	0.62	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
cis-1,2-Dichloroethene	ND		5.0	0.68	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,2-Dichloropropane	ND		5.0	0.63	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
cis-1,3-Dichloropropene	ND		5.0	0.69	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Ethylbenzene	ND		5.0	0.75	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Hexachlorobutadiene	ND		5.0	0.90	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
2-Hexanone	ND		50	10	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
4-Isopropyltoluene	ND		5.0	2.5	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Methylene Chloride	ND		10	5.6	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
4-Methyl-2-pentanone (MIBK)	ND		50	10	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Naphthalene	ND		10	1.5	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
N-Propylbenzene	ND		5.0	0.66	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Styrene	ND		5.0	0.63	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.76	ug/Kg		10/24/19 09:21	11/01/19 02:44	1

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-A@0.5'
Lab Sample ID: 720-95705-1
Date Collected: 10/21/19 10:00
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.75	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Toluene	ND		5.0	0.71	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,2,3-Trichlorobenzene	ND		5.0	0.74	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.71	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,1,1-Trichloroethane	ND		5.0	0.61	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,1,2-Trichloroethane	ND		5.0	0.70	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Trichloroethene	ND		5.0	0.63	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Trichlorofluoromethane	ND		5.0	0.56	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,2,3-Trichloropropane	ND		5.0	0.77	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.1	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,2,4-Trimethylbenzene	ND		5.0	1.6	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
1,3,5-Trimethylbenzene	ND		5.0	0.65	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Vinyl acetate	ND		20	5.0	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Vinyl chloride	ND		5.0	0.73	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Xylenes, Total	ND		5.0	1.2	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
2,2-Dichloropropane	ND		5.0	2.0	ug/Kg		10/24/19 09:21	11/01/19 02:44	1
Gasoline Range Organics (GRO) -C4-C12	ND		250	100	ug/Kg		10/24/19 09:21	11/01/19 02:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*45 - 131*	*10/24/19 09:21*	*11/01/19 02:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*	*10/24/19 09:21*	*11/01/19 02:44*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*10/24/19 09:21*	*11/01/19 02:44*	*1*

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.065	0.032	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Bis(2-chloroethyl)ether	ND		0.065	0.043	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2-Chlorophenol	ND		0.065	0.027	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
1,3-Dichlorobenzene	ND		0.065	0.030	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
1,4-Dichlorobenzene	ND		0.065	0.018	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Benzyl alcohol	ND		0.17	0.038	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
1,2-Dichlorobenzene	ND		0.065	0.040	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2-Methylphenol	ND		0.065	0.024	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Methylphenol, 3 & 4	ND		0.065	0.019	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
N-Nitrosodi-n-propylamine	ND		0.13	0.028	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Hexachloroethane	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Nitrobenzene	ND		0.065	0.027	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Isophorone	ND		0.065	0.027	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2-Nitrophenol	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2,4-Dimethylphenol	ND		0.13	0.053	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Bis(2-chloroethoxy)methane	ND		0.17	0.027	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2,4-Dichlorophenol	ND		0.32	0.030	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
1,2,4-Trichlorobenzene	ND		0.065	0.032	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Naphthalene	ND		0.13	0.031	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
4-Chloroaniline	ND		0.17	0.0086	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Hexachlorobutadiene	ND		0.065	0.038	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
4-Chloro-3-methylphenol	ND		0.17	0.023	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2-Methylnaphthalene	ND		0.065	0.025	mg/Kg		10/24/19 15:56	10/29/19 06:45	1

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-A@0.5'
Lab Sample ID: 720-95705-1
Date Collected: 10/21/19 10:00
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.17	0.053	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2,4,6-Trichlorophenol	ND		0.17	0.019	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2,4,5-Trichlorophenol	ND		0.065	0.037	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2-Chloronaphthalene	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2-Nitroaniline	ND		0.32	0.066	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Dimethyl phthalate	ND		0.17	0.029	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Acenaphthylene	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
3-Nitroaniline	ND		0.17	0.076	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Acenaphthene	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2,4-Dinitrophenol	ND		0.64	0.13	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
4-Nitrophenol	ND		0.32	0.066	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Dibenzofuran	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2,4-Dinitrotoluene	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2,6-Dinitrotoluene	ND		0.13	0.066	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Diethyl phthalate	ND		0.17	0.049	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
4-Chlorophenyl phenyl ether	ND		0.17	0.032	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Fluorene	ND		0.065	0.029	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
4-Nitroaniline	ND		0.32	0.064	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
2-Methyl-4,6-dinitrophenol	ND		0.32	0.066	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
N-Nitrosodiphenylamine	ND		0.065	0.026	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
4-Bromophenyl phenyl ether	ND		0.17	0.028	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Hexachlorobenzene	ND		0.13	0.024	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Pentachlorophenol	ND		0.65	0.13	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Phenanthrene	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Anthracene	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Di-n-butyl phthalate	ND		0.17	0.064	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Fluoranthene	ND		0.065	0.015	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Pyrene	ND		0.065	0.020	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Butyl benzyl phthalate	ND		0.17	0.059	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
3,3'-Dichlorobenzidine	ND		0.17	0.062	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Benzo[a]anthracene	ND		0.32	0.086	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Bis(2-ethylhexyl) phthalate	ND		0.32	0.086	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Chrysene	ND		0.13	0.019	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Di-n-octyl phthalate	ND		0.32	0.097	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Benzo[b]fluoranthene	ND		0.065	0.037	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Benzo[a]pyrene	ND		0.065	0.050	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Benzo[k]fluoranthene	ND		0.065	0.027	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Indeno[1,2,3-cd]pyrene	ND		0.065	0.025	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Benzo[g,h,i]perylene	ND		0.13	0.039	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Benzoic acid	ND		0.32	0.066	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Pyridine	ND		0.13	0.029	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Azobenzene	ND		0.065	0.026	mg/Kg		10/24/19 15:56	10/29/19 06:45	1
Dibenz(a,h)anthracene	ND		0.065	0.029	mg/Kg		10/24/19 15:56	10/29/19 06:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*53*		*21 - 98*	*10/24/19 15:56*	*10/29/19 06:45*	*1*
2-Fluorobiphenyl	*56*		*30 - 112*	*10/24/19 15:56*	*10/29/19 06:45*	*1*
Terphenyl-d14	*56*	*X*	*59 - 134*	*10/24/19 15:56*	*10/29/19 06:45*	*1*
2-Fluorophenol	*61*		*28 - 98*	*10/24/19 15:56*	*10/29/19 06:45*	*1*
Phenol-d5	*64*		*23 - 101*	*10/24/19 15:56*	*10/29/19 06:45*	*1*

Client Sample ID: MPHSEG-ENV-A@0.5'
Lab Sample ID: 720-95705-1
Date Collected: 10/21/19 10:00
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	*63*		*37 - 114*	*10/24/19 15:56*	*10/29/19 06:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**34**		1.9	0.73	mg/Kg		10/24/19 14:58	10/29/19 03:03	1
Motor Oil Range Organics [C24-C36]	**96**		48	9.7	mg/Kg		10/24/19 14:58	10/29/19 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	*0.05*		*0 - 1*	*10/24/19 14:58*	*10/29/19 03:03*	*1*
p-Terphenyl	*69*		*38 - 148*	*10/24/19 14:58*	*10/29/19 03:03*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0019	0.00048	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Dieldrin	ND		0.0019	0.00057	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Endrin aldehyde	ND		0.0019	0.00061	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Endrin	ND		0.0019	0.00044	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Endrin ketone	ND		0.0019	0.00032	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Heptachlor	ND		0.0019	0.00044	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Heptachlor epoxide	ND		0.0019	0.00034	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
4,4'-DDT	ND		0.0019	0.00040	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
4,4'-DDE	**0.0017**	**J**	0.0019	0.00041	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
4,4'-DDD	ND		0.0019	0.00059	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Endosulfan I	ND		0.0019	0.00031	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Endosulfan II	ND		0.0019	0.00047	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
alpha-BHC	ND		0.0019	0.00053	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
beta-BHC	ND		0.0019	0.00035	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
gamma-BHC (Lindane)	ND		0.0019	0.00061	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
delta-BHC	ND		0.0019	0.00042	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Endosulfan sulfate	ND		0.0019	0.00037	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Methoxychlor	ND		0.0019	0.00066	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Toxaphene	ND		0.039	0.0066	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
Chlordane (technical)	**0.016**	**J**	0.039	0.0031	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
cis-Chlordane	**0.0029**	**p**	0.0019	0.00039	mg/Kg		10/24/19 15:06	10/29/19 20:06	1
trans-Chlordane	**0.0025**	**p**	0.0019	0.00044	mg/Kg		10/24/19 15:06	10/29/19 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*72*		*21 - 145*	*10/24/19 15:06*	*10/29/19 20:06*	*1*
DCB Decachlorobiphenyl	*67*		*21 - 136*	*10/24/19 15:06*	*10/29/19 20:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.048	0.00081	mg/Kg		10/24/19 15:08	10/29/19 02:16	1
PCB-1221	ND		0.048	0.00081	mg/Kg		10/24/19 15:08	10/29/19 02:16	1
PCB-1232	ND		0.048	0.00081	mg/Kg		10/24/19 15:08	10/29/19 02:16	1
PCB-1242	ND		0.048	0.00081	mg/Kg		10/24/19 15:08	10/29/19 02:16	1
PCB-1248	ND		0.048	0.00081	mg/Kg		10/24/19 15:08	10/29/19 02:16	1
PCB-1254	ND		0.048	0.00081	mg/Kg		10/24/19 15:08	10/29/19 02:16	1
PCB-1260	ND		0.048	0.00093	mg/Kg		10/24/19 15:08	10/29/19 02:16	1

Client Sample ID: MPHSEG-ENV-A@0.5'
Lab Sample ID: 720-95705-1

Date Collected: 10/21/19 10:00
Matrix: Solid

Date Received: 10/23/19 13:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*45 - 132*	*10/24/19 15:08*	*10/29/19 02:16*	*1*
DCB Decachlorobiphenyl	*54*		*42 - 146*	*10/24/19 15:08*	*10/29/19 02:16*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		10/27/19 15:05	10/29/19 02:47	3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**2.4**	**B**	1.5	0.24	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Arsenic	**3.6**		2.9	0.25	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Barium	**310**		1.5	0.21	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Beryllium	**0.72**		0.29	0.095	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Cadmium	**0.33**	**J**	0.36	0.036	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Chromium	**65**		1.5	0.15	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Cobalt	**11**		0.58	0.058	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Copper	**22**		4.4	2.1	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Lead	**17**		1.5	0.31	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Molybdenum	ND		1.5	0.19	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Nickel	**78**		1.5	0.15	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Selenium	ND		2.9	0.44	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Silver	ND		0.73	0.15	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Thallium	ND		1.5	0.42	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Vanadium	**38**		1.5	0.20	mg/Kg		10/26/19 15:52	10/30/19 00:13	4
Zinc	**90**		4.4	1.9	mg/Kg		10/26/19 15:52	10/30/19 00:13	4

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.11**		0.10	0.029	mg/L		10/28/19 09:46	10/28/19 18:14	1
Chromium	**0.098**	**J**	0.10	0.0070	mg/L		10/28/19 09:46	10/28/19 18:14	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.057**		0.016	0.0024	mg/Kg		10/28/19 15:27	10/30/19 11:38	1

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-B@0.5'
Lab Sample ID: 720-95705-2
Date Collected: 10/21/19 11:00
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	1.2	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Acetone	ND		50	38	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Benzene	ND		5.0	0.64	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Dichlorobromomethane	ND		5.0	0.71	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Bromobenzene	ND		5.0	0.78	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Chlorobromomethane	ND		20	0.71	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Bromoform	ND		5.0	2.0	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Bromomethane	ND		9.9	0.78	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
2-Butanone (MEK)	ND		50	21	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
n-Butylbenzene	ND		5.0	0.99	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
sec-Butylbenzene	ND		5.0	0.71	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
tert-Butylbenzene	ND		5.0	0.72	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Carbon disulfide	ND		5.0	2.0	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Carbon tetrachloride	ND		5.0	0.62	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Chlorobenzene	ND		5.0	0.68	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Chloroethane	ND		9.9	0.56	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Chloroform	ND		5.0	0.65	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Chloromethane	ND		9.9	0.78	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
2-Chlorotoluene	ND		5.0	0.64	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
4-Chlorotoluene	ND		5.0	0.67	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Chlorodibromomethane	ND		5.0	0.70	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,2-Dichlorobenzene	ND		5.0	0.67	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,3-Dichlorobenzene	ND		5.0	0.71	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,3-Dichloropropane	ND		5.0	0.72	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,1-Dichloropropene	ND		5.0	0.68	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,2-Dibromo-3-Chloropropane	ND		9.9	1.7	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Ethylene Dibromide	ND		5.0	1.4	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Dibromomethane	ND		9.9	0.85	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Dichlorodifluoromethane	ND		9.9	0.78	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,1-Dichloroethane	ND		5.0	0.67	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,2-Dichloroethane	ND		5.0	0.75	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,1-Dichloroethene	ND		5.0	0.62	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
cis-1,2-Dichloroethene	ND		5.0	0.67	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
trans-1,2-Dichloroethene	ND		5.0	0.74	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,2-Dichloropropane	ND		5.0	0.62	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
cis-1,3-Dichloropropene	ND		5.0	0.68	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
trans-1,3-Dichloropropene	ND		5.0	0.66	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Ethylbenzene	ND		5.0	0.74	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Hexachlorobutadiene	ND		5.0	0.89	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
2-Hexanone	ND		50	9.9	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Isopropylbenzene	ND		5.0	0.67	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
4-Isopropyltoluene	ND		5.0	2.5	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Methylene Chloride	ND		9.9	5.6	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
4-Methyl-2-pentanone (MIBK)	ND		50	9.9	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Naphthalene	ND		9.9	1.5	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
N-Propylbenzene	ND		5.0	0.65	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Styrene	ND		5.0	0.62	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.75	ug/Kg		11/01/19 13:59	11/02/19 00:40	1

Client Sample ID: MPHSEG-ENV-B@0.5'
Lab Sample ID: 720-95705-2
Date Collected: 10/21/19 11:00
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.74	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Tetrachloroethene	ND		5.0	0.66	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Toluene	ND		5.0	0.70	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,2,3-Trichlorobenzene	ND		5.0	0.73	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.70	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,1,1-Trichloroethane	ND		5.0	0.61	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,1,2-Trichloroethane	ND		5.0	0.69	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Trichloroethene	ND		5.0	0.62	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Trichlorofluoromethane	ND		5.0	0.56	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,2,3-Trichloropropane	ND		5.0	0.76	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.1	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,2,4-Trimethylbenzene	ND		5.0	1.6	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
1,3,5-Trimethylbenzene	ND		5.0	0.64	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Vinyl acetate	ND		20	5.0	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Vinyl chloride	ND		5.0	0.72	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Xylenes, Total	ND		5.0	1.2	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
2,2-Dichloropropane	ND		5.0	2.0	ug/Kg		11/01/19 13:59	11/02/19 00:40	1
Gasoline Range Organics (GRO) -C4-C12	ND		250	99	ug/Kg		11/01/19 13:59	11/02/19 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*45 - 131*	*11/01/19 13:59*	*11/02/19 00:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*60 - 140*	*11/01/19 13:59*	*11/02/19 00:40*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*11/01/19 13:59*	*11/02/19 00:40*	*1*

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.063	0.031	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Bis(2-chloroethyl)ether	ND		0.063	0.042	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2-Chlorophenol	ND		0.063	0.026	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
1,3-Dichlorobenzene	ND		0.063	0.029	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
1,4-Dichlorobenzene	ND		0.063	0.017	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Benzyl alcohol	ND		0.16	0.037	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
1,2-Dichlorobenzene	ND		0.063	0.039	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2-Methylphenol	ND		0.063	0.024	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Methylphenol, 3 & 4	ND		0.063	0.018	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
N-Nitrosodi-n-propylamine	ND		0.12	0.027	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Hexachloroethane	ND		0.12	0.062	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Nitrobenzene	ND		0.063	0.026	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Isophorone	ND		0.063	0.026	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2-Nitrophenol	ND		0.12	0.062	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2,4-Dimethylphenol	ND		0.12	0.051	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Bis(2-chloroethoxy)methane	ND		0.16	0.026	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2,4-Dichlorophenol	ND		0.31	0.029	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
1,2,4-Trichlorobenzene	ND		0.063	0.031	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Naphthalene	ND		0.12	0.030	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
4-Chloroaniline	ND		0.16	0.0083	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Hexachlorobutadiene	ND		0.063	0.037	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
4-Chloro-3-methylphenol	ND		0.16	0.023	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2-Methylnaphthalene	ND		0.063	0.025	mg/Kg		10/24/19 15:56	10/29/19 04:39	1

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-B@0.5'
Lab Sample ID: 720-95705-2
Date Collected: 10/21/19 11:00
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.16	0.051	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2,4,6-Trichlorophenol	ND		0.16	0.019	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2,4,5-Trichlorophenol	ND		0.063	0.036	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2-Chloronaphthalene	ND		0.063	0.027	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2-Nitroaniline	ND		0.31	0.064	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Dimethyl phthalate	ND		0.16	0.028	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Acenaphthylene	ND		0.063	0.027	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
3-Nitroaniline	ND		0.16	0.074	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Acenaphthene	ND		0.063	0.027	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2,4-Dinitrophenol	ND		0.62	0.12	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
4-Nitrophenol	ND		0.31	0.064	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Dibenzofuran	ND		0.063	0.027	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2,4-Dinitrotoluene	ND		0.12	0.062	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2,6-Dinitrotoluene	ND		0.12	0.064	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Diethyl phthalate	ND		0.16	0.047	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
4-Chlorophenyl phenyl ether	ND		0.16	0.031	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Fluorene	ND		0.063	0.028	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
4-Nitroaniline	ND		0.31	0.062	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
2-Methyl-4,6-dinitrophenol	ND		0.31	0.064	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
N-Nitrosodiphenylamine	ND		0.063	0.025	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
4-Bromophenyl phenyl ether	ND		0.16	0.027	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Hexachlorobenzene	ND		0.12	0.024	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Pentachlorophenol	ND		0.63	0.12	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Phenanthrene	ND		0.12	0.062	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Anthracene	ND		0.063	0.027	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Di-n-butyl phthalate	ND		0.16	0.062	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Fluoranthene	ND		0.063	0.014	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Pyrene	ND		0.063	0.020	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Butyl benzyl phthalate	ND		0.16	0.058	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
3,3'-Dichlorobenzidine	ND		0.16	0.060	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Benzo[a]anthracene	ND		0.31	0.083	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Bis(2-ethylhexyl) phthalate	ND		0.31	0.083	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Chrysene	ND		0.12	0.018	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Di-n-octyl phthalate	ND		0.31	0.094	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Benzo[b]fluoranthene	ND		0.063	0.036	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Benzo[a]pyrene	ND		0.063	0.048	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Benzo[k]fluoranthene	ND		0.063	0.026	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Indeno[1,2,3-cd]pyrene	ND		0.063	0.025	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Benzo[g,h,i]perylene	ND		0.12	0.038	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Benzoic acid	ND		0.31	0.064	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Pyridine	ND		0.12	0.028	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Azobenzene	ND		0.063	0.025	mg/Kg		10/24/19 15:56	10/29/19 04:39	1
Dibenz(a,h)anthracene	ND		0.063	0.028	mg/Kg		10/24/19 15:56	10/29/19 04:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*55*		*21 - 98*	*10/24/19 15:56*	*10/29/19 04:39*	*1*
2-Fluorobiphenyl	*58*		*30 - 112*	*10/24/19 15:56*	*10/29/19 04:39*	*1*
Terphenyl-d14	*60*		*59 - 134*	*10/24/19 15:56*	*10/29/19 04:39*	*1*
2-Fluorophenol	*65*		*28 - 98*	*10/24/19 15:56*	*10/29/19 04:39*	*1*
Phenol-d5	*69*		*23 - 101*	*10/24/19 15:56*	*10/29/19 04:39*	*1*

Client Sample ID: MPHSEG-ENV-B@0.5'
Lab Sample ID: 720-95705-2
Date Collected: 10/21/19 11:00
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*37 - 114*	*10/24/19 15:56*	*10/29/19 04:39*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.7**	**J**	2.0	0.74	mg/Kg		10/24/19 14:58	10/29/19 00:37	1
Motor Oil Range Organics [C24-C36]	ND		49	9.8	mg/Kg		10/24/19 14:58	10/29/19 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*10/24/19 14:58*	*10/29/19 00:37*	*1*
p-Terphenyl	*87*		*38 - 148*	*10/24/19 14:58*	*10/29/19 00:37*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0019	0.00048	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Dieldrin	ND		0.0019	0.00056	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Endrin aldehyde	ND		0.0019	0.00060	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Endrin	ND		0.0019	0.00044	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Endrin ketone	ND		0.0019	0.00031	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Heptachlor	ND		0.0019	0.00044	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Heptachlor epoxide	ND		0.0019	0.00033	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
4,4'-DDT	ND		0.0019	0.00039	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
4,4'-DDE	ND		0.0019	0.00040	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
4,4'-DDD	ND		0.0019	0.00058	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Endosulfan I	ND		0.0019	0.00030	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Endosulfan II	ND		0.0019	0.00047	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
alpha-BHC	ND		0.0019	0.00052	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
beta-BHC	ND		0.0019	0.00034	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
gamma-BHC (Lindane)	ND		0.0019	0.00060	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
delta-BHC	ND		0.0019	0.00042	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Endosulfan sulfate	ND		0.0019	0.00036	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Methoxychlor	ND		0.0019	0.00065	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Toxaphene	ND		0.038	0.0065	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
Chlordane (technical)	ND		0.038	0.0030	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
cis-Chlordane	ND		0.0019	0.00038	mg/Kg		10/24/19 15:06	10/29/19 20:24	1
trans-Chlordane	ND		0.0019	0.00044	mg/Kg		10/24/19 15:06	10/29/19 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*21 - 145*	*10/24/19 15:06*	*10/29/19 20:24*	*1*
DCB Decachlorobiphenyl	*57*	*p*	*21 - 136*	*10/24/19 15:06*	*10/29/19 20:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.048	0.00080	mg/Kg		10/24/19 15:08	10/29/19 02:33	1
PCB-1221	ND		0.048	0.00080	mg/Kg		10/24/19 15:08	10/29/19 02:33	1
PCB-1232	ND		0.048	0.00080	mg/Kg		10/24/19 15:08	10/29/19 02:33	1
PCB-1242	ND		0.048	0.00080	mg/Kg		10/24/19 15:08	10/29/19 02:33	1
PCB-1248	ND		0.048	0.00080	mg/Kg		10/24/19 15:08	10/29/19 02:33	1
PCB-1254	ND		0.048	0.00080	mg/Kg		10/24/19 15:08	10/29/19 02:33	1
PCB-1260	ND		0.048	0.00091	mg/Kg		10/24/19 15:08	10/29/19 02:33	1

Client Sample ID: MPHSEG-ENV-B@0.5'
Lab Sample ID: 720-95705-2

Date Collected: 10/21/19 11:00
Matrix: Solid
Date Received: 10/23/19 13:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*45 - 132*	*10/24/19 15:08*	*10/29/19 02:33*	*1*
DCB Decachlorobiphenyl	*55*		*42 - 146*	*10/24/19 15:08*	*10/29/19 02:33*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**0.18**	**J**	0.30	0.15	mg/Kg		10/27/19 15:05	10/29/19 03:02	3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.9**	**B**	1.4	0.24	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Arsenic	**3.0**		2.9	0.24	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Barium	**280**		1.4	0.20	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Beryllium	**0.74**		0.29	0.094	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Cadmium	**0.28**	**J**	0.36	0.036	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Chromium	**61**		1.4	0.15	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Cobalt	**11**		0.58	0.058	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Copper	**17**		4.3	2.0	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Lead	**8.3**		1.4	0.30	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Molybdenum	ND		1.4	0.18	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Nickel	**81**		1.4	0.15	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Selenium	ND		2.9	0.43	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Silver	ND		0.72	0.15	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Thallium	ND		1.4	0.42	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Vanadium	**34**		1.4	0.20	mg/Kg		10/26/19 15:52	10/30/19 00:27	4
Zinc	**42**		4.3	1.8	mg/Kg		10/26/19 15:52	10/30/19 00:27	4

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.11**		0.10	0.029	mg/L		10/28/19 09:46	10/28/19 18:19	1
Chromium	**0.068**	**J**	0.10	0.0070	mg/L		10/28/19 09:46	10/28/19 18:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.051**		0.016	0.0024	mg/Kg		10/28/19 15:27	10/30/19 11:39	1

Client: Cleary Consultants, Inc
Project/Site: Mt. Pleasant High School-New Entry Gate

Job ID: 720-95705-1

Client Sample ID: MPHSEG-ENV-C@0.5'
Date Collected: 10/21/19 09:15
Date Received: 10/23/19 13:10

Lab Sample ID: 720-95705-3
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	1.2	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Acetone	ND		50	38	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Benzene	ND		5.0	0.65	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Dichlorobromomethane	ND		5.0	0.72	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Bromobenzene	ND		5.0	0.79	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Chlorobromomethane	ND		20	0.72	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Bromoform	ND		5.0	2.0	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Bromomethane	ND		9.9	0.79	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
2-Butanone (MEK)	ND		50	21	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
n-Butylbenzene	ND		5.0	0.99	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
sec-Butylbenzene	ND		5.0	0.72	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
tert-Butylbenzene	ND		5.0	0.73	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Carbon disulfide	ND		5.0	2.0	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Carbon tetrachloride	ND		5.0	0.62	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Chlorobenzene	ND		5.0	0.69	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Chloroethane	ND		9.9	0.56	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Chloroform	ND		5.0	0.66	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Chloromethane	ND		9.9	0.79	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
2-Chlorotoluene	ND		5.0	0.65	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
4-Chlorotoluene	ND		5.0	0.68	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,2-Dichlorobenzene	ND		5.0	0.68	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,3-Dichlorobenzene	ND		5.0	0.72	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,4-Dichlorobenzene	ND		5.0	0.71	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,3-Dichloropropane	ND		5.0	0.73	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,1-Dichloropropene	ND		5.0	0.69	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,2-Dibromo-3-Chloropropane	ND		9.9	1.7	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Ethylene Dibromide	ND		5.0	1.4	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Dibromomethane	ND		9.9	0.85	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Dichlorodifluoromethane	ND		9.9	0.79	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,1-Dichloroethane	ND		5.0	0.68	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,2-Dichloroethane	ND		5.0	0.76	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,1-Dichloroethene	ND		5.0	0.62	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
cis-1,2-Dichloroethene	ND		5.0	0.68	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,2-Dichloropropane	ND		5.0	0.63	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
cis-1,3-Dichloropropene	ND		5.0	0.69	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Ethylbenzene	ND		5.0	0.75	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Hexachlorobutadiene	ND		5.0	0.89	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
2-Hexanone	ND		50	9.9	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
4-Isopropyltoluene	ND		5.0	2.5	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Methylene Chloride	ND		9.9	5.6	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
4-Methyl-2-pentanone (MIBK)	ND		50	9.9	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Naphthalene	ND		9.9	1.5	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
N-Propylbenzene	ND		5.0	0.66	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Styrene	ND		5.0	0.63	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.76	ug/Kg		11/01/19 13:59	11/02/19 01:07	1

Client Sample ID: MPHSEG-ENV-C@0.5'
Lab Sample ID: 720-95705-3
Date Collected: 10/21/19 09:15
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	0.75	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Toluene	ND		5.0	0.71	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,2,3-Trichlorobenzene	ND		5.0	0.74	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,2,4-Trichlorobenzene	ND		5.0	0.71	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,1,1-Trichloroethane	ND		5.0	0.61	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,1,2-Trichloroethane	ND		5.0	0.70	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Trichloroethene	ND		5.0	0.63	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Trichlorofluoromethane	ND		5.0	0.56	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,2,3-Trichloropropane	ND		5.0	0.77	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.1	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,2,4-Trimethylbenzene	ND		5.0	1.6	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
1,3,5-Trimethylbenzene	ND		5.0	0.65	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Vinyl acetate	ND		20	5.0	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Vinyl chloride	ND		5.0	0.73	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Xylenes, Total	ND		5.0	1.2	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
2,2-Dichloropropane	ND		5.0	2.0	ug/Kg		11/01/19 13:59	11/02/19 01:07	1
Gasoline Range Organics (GRO) -C4-C12	ND		250	99	ug/Kg		11/01/19 13:59	11/02/19 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*45 - 131*	*11/01/19 13:59*	*11/02/19 01:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*	*11/01/19 13:59*	*11/02/19 01:07*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*11/01/19 13:59*	*11/02/19 01:07*	*1*

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.065	0.032	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Bis(2-chloroethyl)ether	ND		0.065	0.042	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2-Chlorophenol	ND		0.065	0.027	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
1,3-Dichlorobenzene	ND		0.065	0.030	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
1,4-Dichlorobenzene	ND		0.065	0.017	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Benzyl alcohol	ND		0.16	0.038	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
1,2-Dichlorobenzene	ND		0.065	0.040	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2-Methylphenol	ND		0.065	0.024	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Methylphenol, 3 & 4	ND		0.065	0.018	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
N-Nitrosodi-n-propylamine	ND		0.13	0.028	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Hexachloroethane	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Nitrobenzene	ND		0.065	0.027	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Isophorone	ND		0.065	0.027	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2-Nitrophenol	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2,4-Dimethylphenol	ND		0.13	0.052	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Bis(2-chloroethoxy)methane	ND		0.16	0.027	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2,4-Dichlorophenol	ND		0.32	0.030	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
1,2,4-Trichlorobenzene	ND		0.065	0.032	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Naphthalene	ND		0.13	0.031	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
4-Chloroaniline	ND		0.16	0.0085	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Hexachlorobutadiene	ND		0.065	0.038	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
4-Chloro-3-methylphenol	ND		0.16	0.023	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2-Methylnaphthalene	ND		0.065	0.025	mg/Kg		10/24/19 15:56	10/29/19 05:04	1

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-C@0.5'
Lab Sample ID: 720-95705-3
Date Collected: 10/21/19 09:15
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.16	0.052	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2,4,6-Trichlorophenol	ND		0.16	0.019	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2,4,5-Trichlorophenol	ND		0.065	0.037	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2-Chloronaphthalene	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2-Nitroaniline	ND		0.32	0.066	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Dimethyl phthalate	ND		0.16	0.029	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Acenaphthylene	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
3-Nitroaniline	ND		0.16	0.075	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Acenaphthene	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2,4-Dinitrophenol	ND		0.64	0.13	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
4-Nitrophenol	ND		0.32	0.066	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Dibenzofuran	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2,4-Dinitrotoluene	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2,6-Dinitrotoluene	ND		0.13	0.066	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Diethyl phthalate	ND		0.16	0.048	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
4-Chlorophenyl phenyl ether	ND		0.16	0.032	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Fluorene	ND		0.065	0.029	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
4-Nitroaniline	ND		0.32	0.064	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
2-Methyl-4,6-dinitrophenol	ND		0.32	0.066	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
N-Nitrosodiphenylamine	ND		0.065	0.026	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
4-Bromophenyl phenyl ether	ND		0.16	0.028	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Hexachlorobenzene	ND		0.13	0.024	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Pentachlorophenol	ND		0.65	0.13	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Phenanthrene	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Anthracene	ND		0.065	0.028	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Di-n-butyl phthalate	ND		0.16	0.064	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Fluoranthene	ND		0.065	0.014	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Pyrene	ND		0.065	0.020	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Butyl benzyl phthalate	ND		0.16	0.059	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
3,3'-Dichlorobenzidine	ND		0.16	0.062	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Benzo[a]anthracene	ND		0.32	0.085	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Bis(2-ethylhexyl) phthalate	ND		0.32	0.085	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Chrysene	ND		0.13	0.018	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Di-n-octyl phthalate	ND		0.32	0.097	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Benzo[b]fluoranthene	ND		0.065	0.037	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Benzo[a]pyrene	ND		0.065	0.049	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Benzo[k]fluoranthene	ND		0.065	0.027	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Indeno[1,2,3-cd]pyrene	ND		0.065	0.025	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Benzo[g,h,i]perylene	ND		0.13	0.039	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Benzoic acid	ND		0.32	0.066	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Pyridine	ND		0.13	0.029	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Azobenzene	ND		0.065	0.026	mg/Kg		10/24/19 15:56	10/29/19 05:04	1
Dibenz(a,h)anthracene	ND		0.065	0.029	mg/Kg		10/24/19 15:56	10/29/19 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*53*		*21 - 98*	*10/24/19 15:56*	*10/29/19 05:04*	*1*
2-Fluorobiphenyl	*60*		*30 - 112*	*10/24/19 15:56*	*10/29/19 05:04*	*1*
Terphenyl-d14	*61*		*59 - 134*	*10/24/19 15:56*	*10/29/19 05:04*	*1*
2-Fluorophenol	*63*		*28 - 98*	*10/24/19 15:56*	*10/29/19 05:04*	*1*
Phenol-d5	*64*		*23 - 101*	*10/24/19 15:56*	*10/29/19 05:04*	*1*

Client Sample ID: MPHSEG-ENV-C@0.5'
Lab Sample ID: 720-95705-3

Date Collected: 10/21/19 09:15
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*37 - 114*	*10/24/19 15:56*	*10/29/19 05:04*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**9.8**		2.0	0.74	mg/Kg		10/24/19 14:58	10/29/19 01:06	1
Motor Oil Range Organics [C24-C36]	**35**	**J**	49	9.8	mg/Kg		10/24/19 14:58	10/29/19 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*10/24/19 14:58*	*10/29/19 01:06*	*1*
p-Terphenyl	*82*		*38 - 148*	*10/24/19 14:58*	*10/29/19 01:06*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0019	0.00049	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Dieldrin	ND		0.0019	0.00057	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Endrin aldehyde	ND		0.0019	0.00061	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Endrin	ND		0.0019	0.00045	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Endrin ketone	ND		0.0019	0.00032	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Heptachlor	ND		0.0019	0.00045	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Heptachlor epoxide	ND		0.0019	0.00034	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
4,4'-DDT	ND		0.0019	0.00040	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
4,4'-DDE	ND		0.0019	0.00041	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
4,4'-DDD	ND		0.0019	0.00059	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Endosulfan I	ND		0.0019	0.00031	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Endosulfan II	ND		0.0019	0.00048	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
alpha-BHC	ND		0.0019	0.00053	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
beta-BHC	ND		0.0019	0.00035	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
gamma-BHC (Lindane)	ND		0.0019	0.00061	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
delta-BHC	ND		0.0019	0.00043	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Endosulfan sulfate	ND		0.0019	0.00037	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Methoxychlor	ND		0.0019	0.00066	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Toxaphene	ND		0.039	0.0066	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
Chlordane (technical)	ND		0.039	0.0031	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
cis-Chlordane	ND		0.0019	0.00039	mg/Kg		10/24/19 15:06	10/29/19 20:42	1
trans-Chlordane	ND		0.0019	0.00045	mg/Kg		10/24/19 15:06	10/29/19 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*21 - 145*	*10/24/19 15:06*	*10/29/19 20:42*	*1*
DCB Decachlorobiphenyl	*59*	*p*	*21 - 136*	*10/24/19 15:06*	*10/29/19 20:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.049	0.00082	mg/Kg		10/24/19 15:08	10/29/19 02:50	1
PCB-1221	ND		0.049	0.00082	mg/Kg		10/24/19 15:08	10/29/19 02:50	1
PCB-1232	ND		0.049	0.00082	mg/Kg		10/24/19 15:08	10/29/19 02:50	1
PCB-1242	ND		0.049	0.00082	mg/Kg		10/24/19 15:08	10/29/19 02:50	1
PCB-1248	ND		0.049	0.00082	mg/Kg		10/24/19 15:08	10/29/19 02:50	1
PCB-1254	ND		0.049	0.00082	mg/Kg		10/24/19 15:08	10/29/19 02:50	1
PCB-1260	ND		0.049	0.00093	mg/Kg		10/24/19 15:08	10/29/19 02:50	1

Client Sample ID: MPHSEG-ENV-C@0.5'
Lab Sample ID: 720-95705-3

Date Collected: 10/21/19 09:15
Matrix: Solid
Date Received: 10/23/19 13:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*66*		*45 - 132*	*10/24/19 15:08*	*10/29/19 02:50*	*1*
DCB Decachlorobiphenyl	*55*		*42 - 146*	*10/24/19 15:08*	*10/29/19 02:50*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		10/27/19 15:05	10/29/19 03:16	3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**3.5**	**B**	1.9	0.31	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Arsenic	**2.6**	**J**	3.7	0.31	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Barium	**240**		1.9	0.26	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Beryllium	**0.66**		0.37	0.12	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Cadmium	**0.29**	**J**	0.46	0.046	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Chromium	**110**		1.9	0.20	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Cobalt	**15**		0.74	0.074	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Copper	**16**		5.6	2.6	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Lead	**9.1**		1.9	0.39	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Molybdenum	ND		1.9	0.24	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Nickel	**170**		1.9	0.19	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Selenium	ND		3.7	0.56	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Silver	ND		0.93	0.19	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Thallium	ND		1.9	0.54	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Vanadium	**27**		1.9	0.25	mg/Kg		10/26/19 15:52	10/30/19 00:32	4
Zinc	**40**		5.6	2.4	mg/Kg		10/26/19 15:52	10/30/19 00:32	4

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.12**		0.10	0.029	mg/L		10/28/19 09:46	10/28/19 18:24	1
Chromium	**0.17**		0.10	0.0070	mg/L		10/28/19 09:46	10/28/19 18:24	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.014	0.0021	mg/Kg		10/28/19 15:27	10/30/19 11:41	1

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-D@0.5'
Lab Sample ID: 720-95705-4
Date Collected: 10/21/19 11:30
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9	1.2	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Acetone	ND		49	37	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Benzene	ND		4.9	0.64	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Dichlorobromomethane	ND		4.9	0.70	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Bromobenzene	ND		4.9	0.77	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Chlorobromomethane	ND		20	0.70	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Bromoform	ND		4.9	2.0	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Bromomethane	ND		9.8	0.77	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
2-Butanone (MEK)	ND		49	21	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
n-Butylbenzene	ND		4.9	0.98	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
sec-Butylbenzene	ND		4.9	0.70	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
tert-Butylbenzene	ND		4.9	0.71	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Carbon disulfide	ND		4.9	2.0	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Carbon tetrachloride	ND		4.9	0.61	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Chlorobenzene	ND		4.9	0.68	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Chloroethane	ND		9.8	0.55	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Chloroform	ND		4.9	0.65	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Chloromethane	ND		9.8	0.77	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
2-Chlorotoluene	ND		4.9	0.64	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
4-Chlorotoluene	ND		4.9	0.67	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Chlorodibromomethane	ND		4.9	0.69	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,2-Dichlorobenzene	ND		4.9	0.67	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,3-Dichlorobenzene	ND		4.9	0.70	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,4-Dichlorobenzene	ND		4.9	0.69	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,3-Dichloropropane	ND		4.9	0.71	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,1-Dichloropropene	ND		4.9	0.68	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,2-Dibromo-3-Chloropropane	ND		9.8	1.7	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Ethylene Dibromide	ND		4.9	1.4	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Dibromomethane	ND		9.8	0.84	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Dichlorodifluoromethane	ND		9.8	0.77	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,1-Dichloroethane	ND		4.9	0.67	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,2-Dichloroethane	ND		4.9	0.74	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,1-Dichloroethene	ND		4.9	0.61	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
cis-1,2-Dichloroethene	ND		4.9	0.67	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
trans-1,2-Dichloroethene	ND		4.9	0.73	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,2-Dichloropropane	ND		4.9	0.62	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
cis-1,3-Dichloropropene	ND		4.9	0.68	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
trans-1,3-Dichloropropene	ND		4.9	0.66	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Ethylbenzene	ND		4.9	0.73	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Hexachlorobutadiene	ND		4.9	0.88	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
2-Hexanone	ND		49	9.8	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Isopropylbenzene	ND		4.9	0.67	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
4-Isopropyltoluene	ND		4.9	2.4	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Methylene Chloride	ND		9.8	5.5	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
4-Methyl-2-pentanone (MIBK)	ND		49	9.8	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Naphthalene	ND		9.8	1.5	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
N-Propylbenzene	ND		4.9	0.65	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Styrene	ND		4.9	0.62	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,1,1,2-Tetrachloroethane	ND		4.9	0.74	ug/Kg		11/01/19 13:59	11/02/19 01:33	1

Client Sample ID: MPHSEG-ENV-D@0.5'
Lab Sample ID: 720-95705-4
Date Collected: 10/21/19 11:30
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9	0.73	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Tetrachloroethene	ND		4.9	0.66	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Toluene	ND		4.9	0.69	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,2,3-Trichlorobenzene	ND		4.9	0.72	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,2,4-Trichlorobenzene	ND		4.9	0.69	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,1,1-Trichloroethane	ND		4.9	0.60	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,1,2-Trichloroethane	ND		4.9	0.68	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Trichloroethene	ND		4.9	0.62	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Trichlorofluoromethane	ND		4.9	0.55	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,2,3-Trichloropropane	ND		4.9	0.75	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	2.0	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,2,4-Trimethylbenzene	ND		4.9	1.6	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
1,3,5-Trimethylbenzene	ND		4.9	0.64	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Vinyl acetate	ND		20	4.9	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Vinyl chloride	ND		4.9	0.71	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Xylenes, Total	ND		4.9	1.2	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
2,2-Dichloropropane	ND		4.9	2.0	ug/Kg		11/01/19 13:59	11/02/19 01:33	1
Gasoline Range Organics (GRO) -C4-C12	ND		240	98	ug/Kg		11/01/19 13:59	11/02/19 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*45 - 131*	*11/01/19 13:59*	*11/02/19 01:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*116*		*60 - 140*	*11/01/19 13:59*	*11/02/19 01:33*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*11/01/19 13:59*	*11/02/19 01:33*	*1*

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Bis(2-chloroethyl)ether	ND		0.13	0.086	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2-Chlorophenol	ND		0.13	0.055	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
1,3-Dichlorobenzene	ND		0.13	0.060	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
1,4-Dichlorobenzene	ND		0.13	0.035	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Benzyl alcohol	ND		0.33	0.076	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
1,2-Dichlorobenzene	ND		0.13	0.080	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2-Methylphenol	ND		0.13	0.049	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Methylphenol, 3 & 4	ND		0.13	0.037	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
N-Nitrosodi-n-propylamine	ND		0.25	0.057	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Hexachloroethane	ND		0.25	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Nitrobenzene	ND		0.13	0.055	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Isophorone	ND		0.13	0.055	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2-Nitrophenol	ND		0.25	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2,4-Dimethylphenol	ND		0.25	0.11	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Bis(2-chloroethoxy)methane	ND		0.33	0.055	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2,4-Dichlorophenol	ND		0.64	0.060	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
1,2,4-Trichlorobenzene	ND		0.13	0.064	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Naphthalene	ND		0.25	0.062	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
4-Chloroaniline	ND		0.33	0.017	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Hexachlorobutadiene	ND		0.13	0.076	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
4-Chloro-3-methylphenol	ND		0.33	0.047	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2-Methylnaphthalene	ND		0.13	0.051	mg/Kg		10/24/19 15:56	10/29/19 07:11	2

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-D@0.5'
Lab Sample ID: 720-95705-4
Date Collected: 10/21/19 11:30
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		0.33	0.11	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2,4,6-Trichlorophenol	ND		0.33	0.039	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2,4,5-Trichlorophenol	ND		0.13	0.074	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2-Chloronaphthalene	ND		0.13	0.057	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2-Nitroaniline	ND		0.64	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Dimethyl phthalate	ND		0.33	0.059	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Acenaphthylene	ND		0.13	0.057	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
3-Nitroaniline	ND		0.33	0.15	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Acenaphthene	ND		0.13	0.057	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2,4-Dinitrophenol	ND		1.3	0.25	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
4-Nitrophenol	ND		0.64	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Dibenzofuran	ND		0.13	0.057	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2,4-Dinitrotoluene	ND		0.25	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2,6-Dinitrotoluene	ND		0.25	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Diethyl phthalate	ND		0.33	0.098	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
4-Chlorophenyl phenyl ether	ND		0.33	0.064	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Fluorene	ND		0.13	0.059	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
4-Nitroaniline	ND		0.64	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
2-Methyl-4,6-dinitrophenol	ND		0.64	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
N-Nitrosodiphenylamine	ND		0.13	0.053	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
4-Bromophenyl phenyl ether	ND		0.33	0.057	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Hexachlorobenzene	ND		0.25	0.049	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Pentachlorophenol	ND		1.3	0.25	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Phenanthrene	ND		0.25	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Anthracene	ND		0.13	0.057	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Di-n-butyl phthalate	ND		0.33	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Fluoranthene	ND		0.13	0.029	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Pyrene	ND		0.13	0.041	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Butyl benzyl phthalate	ND		0.33	0.12	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
3,3'-Dichlorobenzidine	ND		0.33	0.12	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Benzo[a]anthracene	ND		0.64	0.17	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Bis(2-ethylhexyl) phthalate	ND		0.64	0.17	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Chrysene	ND		0.25	0.037	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Di-n-octyl phthalate	ND		0.64	0.20	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Benzo[b]fluoranthene	ND		0.13	0.074	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Benzo[a]pyrene	ND		0.13	0.099	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Benzo[k]fluoranthene	ND		0.13	0.055	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Indeno[1,2,3-cd]pyrene	ND		0.13	0.051	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Benzo[g,h,i]perylene	ND		0.25	0.078	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Benzoic acid	ND		0.64	0.13	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Pyridine	ND		0.25	0.059	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Azobenzene	ND		0.13	0.053	mg/Kg		10/24/19 15:56	10/29/19 07:11	2
Dibenz(a,h)anthracene	ND		0.13	0.059	mg/Kg		10/24/19 15:56	10/29/19 07:11	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*57*		*21 - 98*	*10/24/19 15:56*	*10/29/19 07:11*	*2*
2-Fluorobiphenyl	*61*		*30 - 112*	*10/24/19 15:56*	*10/29/19 07:11*	*2*
Terphenyl-d14	*56*	*X*	*59 - 134*	*10/24/19 15:56*	*10/29/19 07:11*	*2*
2-Fluorophenol	*63*		*28 - 98*	*10/24/19 15:56*	*10/29/19 07:11*	*2*
Phenol-d5	*69*		*23 - 101*	*10/24/19 15:56*	*10/29/19 07:11*	*2*

Client Sample ID: MPHSEG-ENV-D@0.5'
Lab Sample ID: 720-95705-4
Date Collected: 10/21/19 11:30
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	*60*		*37 - 114*	*10/24/19 15:56*	*10/29/19 07:11*	*2*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**16**		2.0	0.73	mg/Kg		10/24/19 14:58	10/29/19 03:32	1
Motor Oil Range Organics [C24-C36]	**80**		49	9.8	mg/Kg		10/24/19 14:58	10/29/19 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	*0.006*		*0 - 1*	*10/24/19 14:58*	*10/29/19 03:32*	*1*
p-Terphenyl	*77*		*38 - 148*	*10/24/19 14:58*	*10/29/19 03:32*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0019	0.00048	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Dieldrin	**0.00082**	**J**	0.0019	0.00057	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Endrin aldehyde	ND		0.0019	0.00061	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Endrin	ND		0.0019	0.00044	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Endrin ketone	ND		0.0019	0.00032	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Heptachlor	ND		0.0019	0.00044	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Heptachlor epoxide	ND		0.0019	0.00034	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
4,4'-DDT	**0.0027**	**p**	0.0019	0.00040	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
4,4'-DDE	**0.020**		0.0019	0.00041	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
4,4'-DDD	**0.00066**	**J p**	0.0019	0.00059	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Endosulfan I	ND		0.0019	0.00031	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Endosulfan II	ND		0.0019	0.00047	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
alpha-BHC	ND		0.0019	0.00053	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
beta-BHC	ND		0.0019	0.00035	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
gamma-BHC (Lindane)	ND		0.0019	0.00061	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
delta-BHC	ND		0.0019	0.00042	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Endosulfan sulfate	ND		0.0019	0.00037	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Methoxychlor	ND		0.0019	0.00066	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Toxaphene	ND		0.039	0.0066	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
Chlordane (technical)	**0.017**	**J**	0.039	0.0031	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
cis-Chlordane	**0.0029**	**p**	0.0019	0.00039	mg/Kg		10/24/19 15:06	10/29/19 21:00	1
trans-Chlordane	**0.0018**	**J p**	0.0019	0.00044	mg/Kg		10/24/19 15:06	10/29/19 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*69*		*21 - 145*	*10/24/19 15:06*	*10/29/19 21:00*	*1*
DCB Decachlorobiphenyl	*62*		*21 - 136*	*10/24/19 15:06*	*10/29/19 21:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.048	0.00081	mg/Kg		10/24/19 15:09	10/29/19 03:07	1
PCB-1221	ND		0.048	0.00081	mg/Kg		10/24/19 15:09	10/29/19 03:07	1
PCB-1232	ND		0.048	0.00081	mg/Kg		10/24/19 15:09	10/29/19 03:07	1
PCB-1242	ND		0.048	0.00081	mg/Kg		10/24/19 15:09	10/29/19 03:07	1
PCB-1248	ND		0.048	0.00081	mg/Kg		10/24/19 15:09	10/29/19 03:07	1
PCB-1254	ND		0.048	0.00081	mg/Kg		10/24/19 15:09	10/29/19 03:07	1
PCB-1260	ND		0.048	0.00093	mg/Kg		10/24/19 15:09	10/29/19 03:07	1

Client Sample ID: MPHSEG-ENV-D@0.5'
Lab Sample ID: 720-95705-4

Date Collected: 10/21/19 11:30
Matrix: Solid
Date Received: 10/23/19 13:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*45 - 132*	*10/24/19 15:09*	*10/29/19 03:07*	*1*
DCB Decachlorobiphenyl	*56*		*42 - 146*	*10/24/19 15:09*	*10/29/19 03:07*	*1*

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		10/27/19 15:05	10/29/19 03:31	3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.5**	**B**	1.4	0.23	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Arsenic	**3.9**		2.7	0.23	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Barium	**230**		1.4	0.19	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Beryllium	**0.55**		0.27	0.088	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Cadmium	**0.31**	**J**	0.34	0.034	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Chromium	**50**		1.4	0.14	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Cobalt	**9.3**		0.54	0.054	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Copper	**25**		4.1	1.9	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Lead	**18**		1.4	0.29	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Molybdenum	**0.26**	**J**	1.4	0.17	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Nickel	**66**		1.4	0.14	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Selenium	ND		2.7	0.41	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Silver	ND		0.68	0.14	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Thallium	**0.42**	**J**	1.4	0.39	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Vanadium	**46**		1.4	0.19	mg/Kg		10/26/19 15:52	10/30/19 00:37	4
Zinc	**63**		4.1	1.7	mg/Kg		10/26/19 15:52	10/30/19 00:37	4

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.11**		0.10	0.029	mg/L		10/28/19 09:46	10/28/19 18:29	1
Chromium	**0.10**		0.10	0.0070	mg/L		10/28/19 09:46	10/28/19 18:29	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.077**		0.015	0.0022	mg/Kg		10/28/19 15:27	10/30/19 11:43	1

Surrogate Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DCA	TOL
Lab Sample ID	Client Sample ID	(45-131)	(60-140)	(58-140)
720-95705-1	MPHSEG-ENV-A@0.5'	92	110	96
720-95705-2	MPHSEG-ENV-B@0.5'	92	111	96
720-95705-3	MPHSEG-ENV-C@0.5'	92	108	95
720-95705-4	MPHSEG-ENV-D@0.5'	92	116	95
LCS 720-275487/4	Lab Control Sample	99	98	100
LCS 720-275487/6	Lab Control Sample	102	106	100
LCS 720-275557/4	Lab Control Sample	98	96	98
LCS 720-275557/6	Lab Control Sample	101	102	97
LCSD 720-275487/5	Lab Control Sample Dup	100	101	100
LCSD 720-275487/7	Lab Control Sample Dup	104	104	101
LCSD 720-275557/5	Lab Control Sample Dup	100	103	99
LCSD 720-275557/7	Lab Control Sample Dup	100	103	97
MB 720-275487/8	Method Blank	100	106	99
MB 720-275557/8	Method Blank	98	103	97

Surrogate Legend

BFB = 4-Bromofluorobenzene
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	FBP	TPHL	2FP	PHL	TBP
Lab Sample ID	Client Sample ID	(21-98)	(30-112)	(59-134)	(28-98)	(23-101)	(37-114)
720-95705-1	MPHSEG-ENV-A@0.5'	53	56	56 X	61	64	63
720-95705-2	MPHSEG-ENV-B@0.5'	55	58	60	65	69	62
720-95705-3	MPHSEG-ENV-C@0.5'	53	60	61	63	64	65
720-95705-4	MPHSEG-ENV-D@0.5'	57	61	56 X	63	69	60
LCS 720-275094/2-A	Lab Control Sample	75	79	89	81	83	87
MB 720-275094/1-A	Method Blank	62	67	76	75	76	72

Surrogate Legend

NBZ = Nitrobenzene-d5
FBP = 2-Fluorobiphenyl
TPHL = Terphenyl-d14
2FP = 2-Fluorophenol
PHL = Phenol-d5
TBP = 2,4,6-Tribromophenol

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid — **Prep Type: Silica Gel Cleanup**

		Percent Surrogate Recovery (Acceptance Limits)	
		NDA1	TPH1
Lab Sample ID	Client Sample ID	(0-1)	(38-148)
720-95705-1	MPHSEG-ENV-A@0.5'	0.05	69
720-95705-2	MPHSEG-ENV-B@0.5'	0.01	87
720-95705-3	MPHSEG-ENV-C@0.5'	0.005	82
720-95705-4	MPHSEG-ENV-D@0.5'	0.006	77

Surrogate Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid **Prep Type: Silica Gel Cleanup**

		Percent Surrogate Recovery (Acceptance Limits)	
		NDA1	TPH1
Lab Sample ID	Client Sample ID	(0-1)	(38-148)
LCS 720-275105/2-A	Lab Control Sample		91
MB 720-275105/1-A	Method Blank	0.006	91

Surrogate Legend

NDA = Capric Acid (Surr)
TPH = p-Terphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP2
Lab Sample ID	Client Sample ID	(21-145)	(21-136)
720-95705-1	MPHSEG-ENV-A@0.5'	72	67
720-95705-2	MPHSEG-ENV-B@0.5'	68	57 p
720-95705-4	MPHSEG-ENV-D@0.5'	69	62

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(21-145)	(21-136)
720-95705-3	MPHSEG-ENV-C@0.5'	73	59 p

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP1
Lab Sample ID	Client Sample ID	(21-145)	(21-136)
LCS 720-275096/2-A	Lab Control Sample	73	87

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(21-145)	(21-136)
MB 720-275096/1-A	Method Blank	74	90

Surrogate Legend

Surrogate Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(45-132)	(42-146)
720-95705-1	MPHSEG-ENV-A@0.5'	70	54
720-95705-2	MPHSEG-ENV-B@0.5'	67	55
720-95705-3	MPHSEG-ENV-C@0.5'	66	55
720-95705-4	MPHSEG-ENV-D@0.5'	69	56
LCS 720-275097/2-A	Lab Control Sample	85	117
MB 720-275097/1-A	Method Blank	72	93

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Client: Cleary Consultants, Inc
Project/Site: Mt. Pleasant High School-New Entry Gate

Job ID: 720-95705-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-275487/8
Matrix: Solid
Analysis Batch: 275487

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	1.2	ug/Kg			10/31/19 21:29	1
Acetone	ND		50	38	ug/Kg			10/31/19 21:29	1
Benzene	ND		5.0	0.65	ug/Kg			10/31/19 21:29	1
Dichlorobromomethane	ND		5.0	0.72	ug/Kg			10/31/19 21:29	1
Bromobenzene	ND		5.0	0.79	ug/Kg			10/31/19 21:29	1
Chlorobromomethane	ND		20	0.72	ug/Kg			10/31/19 21:29	1
Bromoform	ND		5.0	2.0	ug/Kg			10/31/19 21:29	1
Bromomethane	ND		10	0.79	ug/Kg			10/31/19 21:29	1
2-Butanone (MEK)	ND		50	21	ug/Kg			10/31/19 21:29	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			10/31/19 21:29	1
sec-Butylbenzene	ND		5.0	0.72	ug/Kg			10/31/19 21:29	1
tert-Butylbenzene	ND		5.0	0.73	ug/Kg			10/31/19 21:29	1
Carbon disulfide	ND		5.0	2.0	ug/Kg			10/31/19 21:29	1
Carbon tetrachloride	ND		5.0	0.62	ug/Kg			10/31/19 21:29	1
Chlorobenzene	ND		5.0	0.69	ug/Kg			10/31/19 21:29	1
Chloroethane	ND		10	0.56	ug/Kg			10/31/19 21:29	1
Chloroform	ND		5.0	0.66	ug/Kg			10/31/19 21:29	1
Chloromethane	ND		10	0.79	ug/Kg			10/31/19 21:29	1
2-Chlorotoluene	ND		5.0	0.65	ug/Kg			10/31/19 21:29	1
4-Chlorotoluene	ND		5.0	0.68	ug/Kg			10/31/19 21:29	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg			10/31/19 21:29	1
1,2-Dichlorobenzene	ND		5.0	0.68	ug/Kg			10/31/19 21:29	1
1,3-Dichlorobenzene	ND		5.0	0.72	ug/Kg			10/31/19 21:29	1
1,4-Dichlorobenzene	ND		5.0	0.71	ug/Kg			10/31/19 21:29	1
1,3-Dichloropropane	ND		5.0	0.73	ug/Kg			10/31/19 21:29	1
1,1-Dichloropropene	ND		5.0	0.69	ug/Kg			10/31/19 21:29	1
1,2-Dibromo-3-Chloropropane	ND		10	1.7	ug/Kg			10/31/19 21:29	1
Ethylene Dibromide	ND		5.0	1.4	ug/Kg			10/31/19 21:29	1
Dibromomethane	ND		10	0.86	ug/Kg			10/31/19 21:29	1
Dichlorodifluoromethane	ND		10	0.79	ug/Kg			10/31/19 21:29	1
1,1-Dichloroethane	ND		5.0	0.68	ug/Kg			10/31/19 21:29	1
1,2-Dichloroethane	ND		5.0	0.76	ug/Kg			10/31/19 21:29	1
1,1-Dichloroethene	ND		5.0	0.62	ug/Kg			10/31/19 21:29	1
cis-1,2-Dichloroethene	ND		5.0	0.68	ug/Kg			10/31/19 21:29	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/Kg			10/31/19 21:29	1
1,2-Dichloropropane	ND		5.0	0.63	ug/Kg			10/31/19 21:29	1
cis-1,3-Dichloropropene	ND		5.0	0.69	ug/Kg			10/31/19 21:29	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg			10/31/19 21:29	1
Ethylbenzene	ND		5.0	0.75	ug/Kg			10/31/19 21:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/Kg			10/31/19 21:29	1
2-Hexanone	ND		50	10	ug/Kg			10/31/19 21:29	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg			10/31/19 21:29	1
4-Isopropyltoluene	ND		5.0	2.5	ug/Kg			10/31/19 21:29	1
Methylene Chloride	ND		10	5.6	ug/Kg			10/31/19 21:29	1
4-Methyl-2-pentanone (MIBK)	ND		50	10	ug/Kg			10/31/19 21:29	1
Naphthalene	ND		10	1.5	ug/Kg			10/31/19 21:29	1
N-Propylbenzene	ND		5.0	0.66	ug/Kg			10/31/19 21:29	1
Styrene	ND		5.0	0.63	ug/Kg			10/31/19 21:29	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-275487/8
Matrix: Solid
Analysis Batch: 275487

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	0.76	ug/Kg			10/31/19 21:29	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.75	ug/Kg			10/31/19 21:29	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			10/31/19 21:29	1
Toluene	ND		5.0	0.71	ug/Kg			10/31/19 21:29	1
1,2,3-Trichlorobenzene	ND		5.0	0.74	ug/Kg			10/31/19 21:29	1
1,2,4-Trichlorobenzene	ND		5.0	0.71	ug/Kg			10/31/19 21:29	1
1,1,1-Trichloroethane	ND		5.0	0.61	ug/Kg			10/31/19 21:29	1
1,1,2-Trichloroethane	ND		5.0	0.70	ug/Kg			10/31/19 21:29	1
Trichloroethene	ND		5.0	0.63	ug/Kg			10/31/19 21:29	1
Trichlorofluoromethane	ND		5.0	0.56	ug/Kg			10/31/19 21:29	1
1,2,3-Trichloropropane	ND		5.0	0.77	ug/Kg			10/31/19 21:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.1	ug/Kg			10/31/19 21:29	1
1,2,4-Trimethylbenzene	ND		5.0	1.6	ug/Kg			10/31/19 21:29	1
1,3,5-Trimethylbenzene	ND		5.0	0.65	ug/Kg			10/31/19 21:29	1
Vinyl acetate	ND		20	5.0	ug/Kg			10/31/19 21:29	1
Vinyl chloride	ND		5.0	0.73	ug/Kg			10/31/19 21:29	1
Xylenes, Total	ND		5.0	1.2	ug/Kg			10/31/19 21:29	1
2,2-Dichloropropane	ND		5.0	2.0	ug/Kg			10/31/19 21:29	1
Gasoline Range Organics (GRO) -C4-C12	ND		250	100	ug/Kg			10/31/19 21:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*45 - 131*		*10/31/19 21:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*		*10/31/19 21:29*	*1*
Toluene-d8 (Surr)	*99*		*58 - 140*		*10/31/19 21:29*	*1*

Lab Sample ID: LCS 720-275487/4
Matrix: Solid
Analysis Batch: 275487

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	50.2		ug/Kg		100	70 - 144
Acetone	250	260		ug/Kg		104	30 - 162
Benzene	50.0	47.9		ug/Kg		96	70 - 130
Dichlorobromomethane	50.0	49.3		ug/Kg		99	70 - 140
Bromobenzene	50.0	49.3		ug/Kg		99	70 - 130
Chlorobromomethane	50.0	50.3		ug/Kg		101	70 - 130
Bromoform	50.0	50.0		ug/Kg		100	59 - 158
Bromomethane	50.0	48.1		ug/Kg		96	59 - 132
2-Butanone (MEK)	250	251		ug/Kg		101	59 - 159
n-Butylbenzene	50.0	49.8		ug/Kg		100	70 - 142
sec-Butylbenzene	50.0	49.8		ug/Kg		100	70 - 136
tert-Butylbenzene	50.0	49.0		ug/Kg		98	70 - 130
Carbon disulfide	50.0	47.7		ug/Kg		95	60 - 140
Carbon tetrachloride	50.0	50.3		ug/Kg		101	70 - 142
Chlorobenzene	50.0	48.6		ug/Kg		97	70 - 130
Chloroethane	50.0	46.8		ug/Kg		94	65 - 130
Chloroform	50.0	48.9		ug/Kg		98	77 - 127
Chloromethane	50.0	45.6		ug/Kg		91	55 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-275487/4
Matrix: Solid
Analysis Batch: 275487

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	50.0	48.9		ug/Kg		98	70 - 138
4-Chlorotoluene	50.0	49.3		ug/Kg		99	70 - 136
Chlorodibromomethane	50.0	51.0		ug/Kg		102	70 - 146
1,2-Dichlorobenzene	50.0	48.3		ug/Kg		97	70 - 130
1,3-Dichlorobenzene	50.0	48.4		ug/Kg		97	70 - 131
1,4-Dichlorobenzene	50.0	48.8		ug/Kg		98	70 - 130
1,3-Dichloropropane	50.0	48.9		ug/Kg		98	70 - 140
1,1-Dichloropropene	50.0	49.1		ug/Kg		98	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	49.0		ug/Kg		98	60 - 145
Ethylene Dibromide	50.0	50.2		ug/Kg		100	70 - 140
Dibromomethane	50.0	51.1		ug/Kg		102	70 - 139
Dichlorodifluoromethane	50.0	47.6		ug/Kg		95	37 - 158
1,1-Dichloroethane	50.0	48.2		ug/Kg		96	70 - 130
1,2-Dichloroethane	50.0	48.7		ug/Kg		97	70 - 130
1,1-Dichloroethene	50.0	48.9		ug/Kg		98	74 - 122
cis-1,2-Dichloroethene	50.0	47.6		ug/Kg		95	70 - 138
trans-1,2-Dichloroethene	50.0	48.7		ug/Kg		97	67 - 130
1,2-Dichloropropane	50.0	48.6		ug/Kg		97	73 - 127
cis-1,3-Dichloropropene	50.0	50.8		ug/Kg		102	68 - 147
trans-1,3-Dichloropropene	50.0	52.1		ug/Kg		104	70 - 155
Ethylbenzene	50.0	48.9		ug/Kg		98	80 - 137
Hexachlorobutadiene	50.0	46.7		ug/Kg		93	70 - 132
2-Hexanone	250	245		ug/Kg		98	62 - 158
Isopropylbenzene	50.0	49.9		ug/Kg		100	70 - 130
4-Isopropyltoluene	50.0	49.6		ug/Kg		99	70 - 133
Methylene Chloride	50.0	45.5		ug/Kg		91	70 - 134
4-Methyl-2-pentanone (MIBK)	250	254		ug/Kg		102	60 - 160
Naphthalene	50.0	49.4		ug/Kg		99	60 - 147
N-Propylbenzene	50.0	49.6		ug/Kg		99	70 - 130
Styrene	50.0	54.4		ug/Kg		109	70 - 130
1,1,1,2-Tetrachloroethane	50.0	50.3		ug/Kg		101	70 - 130
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/Kg		94	70 - 146
Tetrachloroethene	50.0	49.6		ug/Kg		99	70 - 132
Toluene	50.0	48.6		ug/Kg		97	75 - 120
1,2,3-Trichlorobenzene	50.0	47.8		ug/Kg		96	60 - 140
1,2,4-Trichlorobenzene	50.0	49.1		ug/Kg		98	60 - 140
1,1,1-Trichloroethane	50.0	50.1		ug/Kg		100	70 - 130
1,1,2-Trichloroethane	50.0	49.6		ug/Kg		99	70 - 130
Trichloroethene	50.0	50.3		ug/Kg		101	70 - 133
Trichlorofluoromethane	50.0	49.4		ug/Kg		99	60 - 140
1,2,3-Trichloropropane	50.0	51.3		ug/Kg		103	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.3		ug/Kg		101	60 - 140
1,2,4-Trimethylbenzene	50.0	49.7		ug/Kg		99	70 - 130
1,3,5-Trimethylbenzene	50.0	50.1		ug/Kg		100	70 - 131
Vinyl acetate	50.0	48.1		ug/Kg		96	38 - 176
Vinyl chloride	50.0	46.7		ug/Kg		93	58 - 125
m-Xylene & p-Xylene	50.0	49.3		ug/Kg		99	70 - 146
o-Xylene	50.0	49.0		ug/Kg		98	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-275487/4
Matrix: Solid
Analysis Batch: 275487

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Xylenes, Total			100	98.2		ug/Kg		98	70 - 146		
2,2-Dichloropropane			50.0	54.6		ug/Kg		109	70 - 162		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*100*		*58 - 140*

Lab Sample ID: LCS 720-275487/6
Matrix: Solid
Analysis Batch: 275487

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C4-C12			1000	1080		ug/Kg		108	70 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*
Toluene-d8 (Surr)	*100*		*58 - 140*

Lab Sample ID: LCSD 720-275487/5
Matrix: Solid
Analysis Batch: 275487

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			50.0	53.8		ug/Kg		108	70 - 144	7	20
Acetone			250	302		ug/Kg		121	30 - 162	15	30
Benzene			50.0	48.8		ug/Kg		98	70 - 130	2	20
Dichlorobromomethane			50.0	51.3		ug/Kg		103	70 - 140	4	20
Bromobenzene			50.0	49.7		ug/Kg		99	70 - 130	1	20
Chlorobromomethane			50.0	52.1		ug/Kg		104	70 - 130	4	20
Bromoform			50.0	52.0		ug/Kg		104	59 - 158	4	20
Bromomethane			50.0	48.9		ug/Kg		98	59 - 132	2	20
2-Butanone (MEK)			250	272		ug/Kg		109	59 - 159	8	20
n-Butylbenzene			50.0	49.9		ug/Kg		100	70 - 142	0	20
sec-Butylbenzene			50.0	49.1		ug/Kg		98	70 - 136	1	20
tert-Butylbenzene			50.0	48.4		ug/Kg		97	70 - 130	1	20
Carbon disulfide			50.0	47.6		ug/Kg		95	60 - 140	0	20
Carbon tetrachloride			50.0	50.3		ug/Kg		101	70 - 142	0	20
Chlorobenzene			50.0	49.0		ug/Kg		98	70 - 130	1	20
Chloroethane			50.0	47.3		ug/Kg		95	65 - 130	1	20
Chloroform			50.0	50.1		ug/Kg		100	77 - 127	2	20
Chloromethane			50.0	45.5		ug/Kg		91	55 - 140	0	20
2-Chlorotoluene			50.0	48.3		ug/Kg		97	70 - 138	1	20
4-Chlorotoluene			50.0	49.3		ug/Kg		99	70 - 136	0	20
Chlorodibromomethane			50.0	54.5		ug/Kg		109	70 - 146	7	20
1,2-Dichlorobenzene			50.0	49.5		ug/Kg		99	70 - 130	2	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-275487/5
Matrix: Solid
Analysis Batch: 275487

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	50.0	48.8		ug/Kg		98	70 - 131	1	20
1,4-Dichlorobenzene	50.0	48.8		ug/Kg		98	70 - 130	0	20
1,3-Dichloropropane	50.0	51.8		ug/Kg		104	70 - 140	6	20
1,1-Dichloropropene	50.0	49.8		ug/Kg		100	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	50.0	53.0		ug/Kg		106	60 - 145	8	20
Ethylene Dibromide	50.0	53.5		ug/Kg		107	70 - 140	6	20
Dibromomethane	50.0	54.3		ug/Kg		109	70 - 139	6	20
Dichlorodifluoromethane	50.0	47.5		ug/Kg		95	37 - 158	0	20
1,1-Dichloroethane	50.0	49.0		ug/Kg		98	70 - 130	2	20
1,2-Dichloroethane	50.0	51.4		ug/Kg		103	70 - 130	6	20
1,1-Dichloroethene	50.0	49.3		ug/Kg		99	74 - 122	1	20
cis-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	70 - 138	3	20
trans-1,2-Dichloroethene	50.0	49.4		ug/Kg		99	67 - 130	1	20
1,2-Dichloropropane	50.0	50.7		ug/Kg		101	73 - 127	4	20
cis-1,3-Dichloropropene	50.0	53.1		ug/Kg		106	68 - 147	4	20
trans-1,3-Dichloropropene	50.0	55.8		ug/Kg		112	70 - 155	7	20
Ethylbenzene	50.0	48.5		ug/Kg		97	80 - 137	1	20
Hexachlorobutadiene	50.0	48.3		ug/Kg		97	70 - 132	4	20
2-Hexanone	250	263		ug/Kg		105	62 - 158	7	20
Isopropylbenzene	50.0	49.4		ug/Kg		99	70 - 130	1	20
4-Isopropyltoluene	50.0	49.3		ug/Kg		99	70 - 133	1	20
Methylene Chloride	50.0	47.1		ug/Kg		94	70 - 134	4	20
4-Methyl-2-pentanone (MIBK)	250	275		ug/Kg		110	60 - 160	8	20
Naphthalene	50.0	53.8		ug/Kg		108	60 - 147	9	20
N-Propylbenzene	50.0	48.8		ug/Kg		98	70 - 130	2	20
Styrene	50.0	55.2		ug/Kg		110	70 - 130	1	20
1,1,1,2-Tetrachloroethane	50.0	51.1		ug/Kg		102	70 - 130	2	20
1,1,2,2-Tetrachloroethane	50.0	49.4		ug/Kg		99	70 - 146	5	20
Tetrachloroethene	50.0	49.7		ug/Kg		99	70 - 132	0	20
Toluene	50.0	48.6		ug/Kg		97	75 - 120	0	20
1,2,3-Trichlorobenzene	50.0	52.3		ug/Kg		105	60 - 140	9	20
1,2,4-Trichlorobenzene	50.0	52.2		ug/Kg		104	60 - 140	6	20
1,1,1-Trichloroethane	50.0	49.8		ug/Kg		100	70 - 130	1	20
1,1,2-Trichloroethane	50.0	52.1		ug/Kg		104	70 - 130	5	20
Trichloroethene	50.0	50.6		ug/Kg		101	70 - 133	1	20
Trichlorofluoromethane	50.0	49.5		ug/Kg		99	60 - 140	0	20
1,2,3-Trichloropropane	50.0	52.5		ug/Kg		105	70 - 146	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.6		ug/Kg		101	60 - 140	1	20
1,2,4-Trimethylbenzene	50.0	49.6		ug/Kg		99	70 - 130	0	20
1,3,5-Trimethylbenzene	50.0	49.5		ug/Kg		99	70 - 131	1	20
Vinyl acetate	50.0	51.7		ug/Kg		103	38 - 176	7	20
Vinyl chloride	50.0	46.0		ug/Kg		92	58 - 125	1	20
m-Xylene & p-Xylene	50.0	48.9		ug/Kg		98	70 - 146	1	20
o-Xylene	50.0	49.3		ug/Kg		99	70 - 140	1	20
Xylenes, Total	100	98.2		ug/Kg		98	70 - 146	0	20
2,2-Dichloropropane	50.0	51.8		ug/Kg		104	70 - 162	5	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-275487/5
Matrix: Solid
Analysis Batch: 275487

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*101*		*60 - 140*
Toluene-d8 (Surr)	*100*		*58 - 140*

Lab Sample ID: LCSD 720-275487/7
Matrix: Solid
Analysis Batch: 275487

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C4-C12			1000	1060		ug/Kg		106	70 - 122	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*101*		*58 - 140*

Lab Sample ID: MB 720-275557/8
Matrix: Solid
Analysis Batch: 275557

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	1.2	ug/Kg			11/01/19 20:41	1
Acetone	ND		50	38	ug/Kg			11/01/19 20:41	1
Benzene	ND		5.0	0.65	ug/Kg			11/01/19 20:41	1
Dichlorobromomethane	ND		5.0	0.72	ug/Kg			11/01/19 20:41	1
Bromobenzene	ND		5.0	0.79	ug/Kg			11/01/19 20:41	1
Chlorobromomethane	ND		20	0.72	ug/Kg			11/01/19 20:41	1
Bromoform	ND		5.0	2.0	ug/Kg			11/01/19 20:41	1
Bromomethane	ND		10	0.79	ug/Kg			11/01/19 20:41	1
2-Butanone (MEK)	ND		50	21	ug/Kg			11/01/19 20:41	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			11/01/19 20:41	1
sec-Butylbenzene	ND		5.0	0.72	ug/Kg			11/01/19 20:41	1
tert-Butylbenzene	ND		5.0	0.73	ug/Kg			11/01/19 20:41	1
Carbon disulfide	ND		5.0	2.0	ug/Kg			11/01/19 20:41	1
Carbon tetrachloride	ND		5.0	0.62	ug/Kg			11/01/19 20:41	1
Chlorobenzene	ND		5.0	0.69	ug/Kg			11/01/19 20:41	1
Chloroethane	ND		10	0.56	ug/Kg			11/01/19 20:41	1
Chloroform	ND		5.0	0.66	ug/Kg			11/01/19 20:41	1
Chloromethane	ND		10	0.79	ug/Kg			11/01/19 20:41	1
2-Chlorotoluene	ND		5.0	0.65	ug/Kg			11/01/19 20:41	1
4-Chlorotoluene	ND		5.0	0.68	ug/Kg			11/01/19 20:41	1
Chlorodibromomethane	ND		5.0	0.71	ug/Kg			11/01/19 20:41	1
1,2-Dichlorobenzene	ND		5.0	0.68	ug/Kg			11/01/19 20:41	1
1,3-Dichlorobenzene	ND		5.0	0.72	ug/Kg			11/01/19 20:41	1
1,4-Dichlorobenzene	ND		5.0	0.71	ug/Kg			11/01/19 20:41	1
1,3-Dichloropropane	ND		5.0	0.73	ug/Kg			11/01/19 20:41	1
1,1-Dichloropropene	ND		5.0	0.69	ug/Kg			11/01/19 20:41	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-275557/8
Matrix: Solid
Analysis Batch: 275557

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10	1.7	ug/Kg			11/01/19 20:41	1
Ethylene Dibromide	ND		5.0	1.4	ug/Kg			11/01/19 20:41	1
Dibromomethane	ND		10	0.86	ug/Kg			11/01/19 20:41	1
Dichlorodifluoromethane	ND		10	0.79	ug/Kg			11/01/19 20:41	1
1,1-Dichloroethane	ND		5.0	0.68	ug/Kg			11/01/19 20:41	1
1,2-Dichloroethane	ND		5.0	0.76	ug/Kg			11/01/19 20:41	1
1,1-Dichloroethene	ND		5.0	0.62	ug/Kg			11/01/19 20:41	1
cis-1,2-Dichloroethene	ND		5.0	0.68	ug/Kg			11/01/19 20:41	1
trans-1,2-Dichloroethene	ND		5.0	0.75	ug/Kg			11/01/19 20:41	1
1,2-Dichloropropane	ND		5.0	0.63	ug/Kg			11/01/19 20:41	1
cis-1,3-Dichloropropene	ND		5.0	0.69	ug/Kg			11/01/19 20:41	1
trans-1,3-Dichloropropene	ND		5.0	0.67	ug/Kg			11/01/19 20:41	1
Ethylbenzene	ND		5.0	0.75	ug/Kg			11/01/19 20:41	1
Hexachlorobutadiene	ND		5.0	0.90	ug/Kg			11/01/19 20:41	1
2-Hexanone	ND		50	10	ug/Kg			11/01/19 20:41	1
Isopropylbenzene	ND		5.0	0.68	ug/Kg			11/01/19 20:41	1
4-Isopropyltoluene	ND		5.0	2.5	ug/Kg			11/01/19 20:41	1
Methylene Chloride	ND		10	5.6	ug/Kg			11/01/19 20:41	1
4-Methyl-2-pentanone (MIBK)	ND		50	10	ug/Kg			11/01/19 20:41	1
Naphthalene	ND		10	1.5	ug/Kg			11/01/19 20:41	1
N-Propylbenzene	ND		5.0	0.66	ug/Kg			11/01/19 20:41	1
Styrene	ND		5.0	0.63	ug/Kg			11/01/19 20:41	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.76	ug/Kg			11/01/19 20:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.75	ug/Kg			11/01/19 20:41	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			11/01/19 20:41	1
Toluene	ND		5.0	0.71	ug/Kg			11/01/19 20:41	1
1,2,3-Trichlorobenzene	ND		5.0	0.74	ug/Kg			11/01/19 20:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.71	ug/Kg			11/01/19 20:41	1
1,1,1-Trichloroethane	ND		5.0	0.61	ug/Kg			11/01/19 20:41	1
1,1,2-Trichloroethane	ND		5.0	0.70	ug/Kg			11/01/19 20:41	1
Trichloroethene	ND		5.0	0.63	ug/Kg			11/01/19 20:41	1
Trichlorofluoromethane	ND		5.0	0.56	ug/Kg			11/01/19 20:41	1
1,2,3-Trichloropropane	ND		5.0	0.77	ug/Kg			11/01/19 20:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.1	ug/Kg			11/01/19 20:41	1
1,2,4-Trimethylbenzene	ND		5.0	1.6	ug/Kg			11/01/19 20:41	1
1,3,5-Trimethylbenzene	ND		5.0	0.65	ug/Kg			11/01/19 20:41	1
Vinyl acetate	ND		20	5.0	ug/Kg			11/01/19 20:41	1
Vinyl chloride	ND		5.0	0.73	ug/Kg			11/01/19 20:41	1
Xylenes, Total	ND		5.0	1.2	ug/Kg			11/01/19 20:41	1
2,2-Dichloropropane	ND		5.0	2.0	ug/Kg			11/01/19 20:41	1
Gasoline Range Organics (GRO) -C4-C12	ND		250	100	ug/Kg			11/01/19 20:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*45 - 131*		*11/01/19 20:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*		*11/01/19 20:41*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*		*11/01/19 20:41*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-275557/4
Matrix: Solid
Analysis Batch: 275557

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	45.1		ug/Kg		90	70 - 144
Acetone	250	260		ug/Kg		104	30 - 162
Benzene	50.0	47.1		ug/Kg		94	70 - 130
Dichlorobromomethane	50.0	49.8		ug/Kg		100	70 - 140
Bromobenzene	50.0	46.9		ug/Kg		94	70 - 130
Chlorobromomethane	50.0	48.5		ug/Kg		97	70 - 130
Bromoform	50.0	49.9		ug/Kg		100	59 - 158
Bromomethane	50.0	50.6		ug/Kg		101	59 - 132
2-Butanone (MEK)	250	256		ug/Kg		102	59 - 159
n-Butylbenzene	50.0	50.8		ug/Kg		102	70 - 142
sec-Butylbenzene	50.0	49.1		ug/Kg		98	70 - 136
tert-Butylbenzene	50.0	48.3		ug/Kg		97	70 - 130
Carbon disulfide	50.0	49.1		ug/Kg		98	60 - 140
Carbon tetrachloride	50.0	51.1		ug/Kg		102	70 - 142
Chlorobenzene	50.0	48.1		ug/Kg		96	70 - 130
Chloroethane	50.0	49.0		ug/Kg		98	65 - 130
Chloroform	50.0	48.5		ug/Kg		97	77 - 127
Chloromethane	50.0	48.1		ug/Kg		96	55 - 140
2-Chlorotoluene	50.0	47.4		ug/Kg		95	70 - 138
4-Chlorotoluene	50.0	47.8		ug/Kg		96	70 - 136
Chlorodibromomethane	50.0	50.6		ug/Kg		101	70 - 146
1,2-Dichlorobenzene	50.0	47.2		ug/Kg		94	70 - 130
1,3-Dichlorobenzene	50.0	48.1		ug/Kg		96	70 - 131
1,4-Dichlorobenzene	50.0	47.3		ug/Kg		95	70 - 130
1,3-Dichloropropane	50.0	48.6		ug/Kg		97	70 - 140
1,1-Dichloropropene	50.0	49.8		ug/Kg		100	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	52.0		ug/Kg		104	60 - 145
Ethylene Dibromide	50.0	49.8		ug/Kg		100	70 - 140
Dibromomethane	50.0	48.9		ug/Kg		98	70 - 139
Dichlorodifluoromethane	50.0	49.9		ug/Kg		100	37 - 158
1,1-Dichloroethane	50.0	48.1		ug/Kg		96	70 - 130
1,2-Dichloroethane	50.0	48.0		ug/Kg		96	70 - 130
1,1-Dichloroethene	50.0	48.8		ug/Kg		98	74 - 122
cis-1,2-Dichloroethene	50.0	47.8		ug/Kg		96	70 - 138
trans-1,2-Dichloroethene	50.0	47.6		ug/Kg		95	67 - 130
1,2-Dichloropropane	50.0	47.1		ug/Kg		94	73 - 127
cis-1,3-Dichloropropene	50.0	49.9		ug/Kg		100	68 - 147
trans-1,3-Dichloropropene	50.0	51.4		ug/Kg		103	70 - 155
Ethylbenzene	50.0	48.9		ug/Kg		98	80 - 137
Hexachlorobutadiene	50.0	48.8		ug/Kg		98	70 - 132
2-Hexanone	250	251		ug/Kg		100	62 - 158
Isopropylbenzene	50.0	50.0		ug/Kg		100	70 - 130
4-Isopropyltoluene	50.0	49.1		ug/Kg		98	70 - 133
Methylene Chloride	50.0	49.0		ug/Kg		98	70 - 134
4-Methyl-2-pentanone (MIBK)	250	247		ug/Kg		99	60 - 160
Naphthalene	50.0	47.7		ug/Kg		95	60 - 147
N-Propylbenzene	50.0	48.9		ug/Kg		98	70 - 130
Styrene	50.0	49.4		ug/Kg		99	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-275557/4
Matrix: Solid
Analysis Batch: 275557

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	49.6		ug/Kg		99	70 - 130
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/Kg		97	70 - 146
Tetrachloroethene	50.0	50.5		ug/Kg		101	70 - 132
Toluene	50.0	48.5		ug/Kg		97	75 - 120
1,2,3-Trichlorobenzene	50.0	46.9		ug/Kg		94	60 - 140
1,2,4-Trichlorobenzene	50.0	47.8		ug/Kg		96	60 - 140
1,1,1-Trichloroethane	50.0	50.3		ug/Kg		101	70 - 130
1,1,2-Trichloroethane	50.0	48.9		ug/Kg		98	70 - 130
Trichloroethene	50.0	49.7		ug/Kg		99	70 - 133
Trichlorofluoromethane	50.0	51.0		ug/Kg		102	60 - 140
1,2,3-Trichloropropane	50.0	50.0		ug/Kg		100	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.5		ug/Kg		103	60 - 140
1,2,4-Trimethylbenzene	50.0	48.5		ug/Kg		97	70 - 130
1,3,5-Trimethylbenzene	50.0	48.8		ug/Kg		98	70 - 131
Vinyl acetate	50.0	41.0		ug/Kg		82	38 - 176
Vinyl chloride	50.0	51.5		ug/Kg		103	58 - 125
m-Xylene & p-Xylene	50.0	49.5		ug/Kg		99	70 - 146
o-Xylene	50.0	48.1		ug/Kg		96	70 - 140
Xylenes, Total	100	97.7		ug/Kg		98	70 - 146
2,2-Dichloropropane	50.0	54.1		ug/Kg		108	70 - 162

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

Lab Sample ID: LCS 720-275557/6
Matrix: Solid
Analysis Batch: 275557

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C4-C12	1000	1080		ug/Kg		108	70 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*97*		*58 - 140*

Lab Sample ID: LCSD 720-275557/5
Matrix: Solid
Analysis Batch: 275557

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	50.2		ug/Kg		100	70 - 144	11	20
Acetone	250	285		ug/Kg		114	30 - 162	9	30
Benzene	50.0	48.3		ug/Kg		97	70 - 130	3	20
Dichlorobromomethane	50.0	53.3		ug/Kg		107	70 - 140	7	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-275557/5
Matrix: Solid
Analysis Batch: 275557

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromobenzene			50.0	48.3		ug/Kg		97	70 - 130	3	20
Chlorobromomethane			50.0	52.5		ug/Kg		105	70 - 130	8	20
Bromoform			50.0	55.0		ug/Kg		110	59 - 158	10	20
Bromomethane			50.0	51.9		ug/Kg		104	59 - 132	3	20
2-Butanone (MEK)			250	282		ug/Kg		113	59 - 159	10	20
n-Butylbenzene			50.0	50.6		ug/Kg		101	70 - 142	0	20
sec-Butylbenzene			50.0	48.4		ug/Kg		97	70 - 136	1	20
tert-Butylbenzene			50.0	47.8		ug/Kg		96	70 - 130	1	20
Carbon disulfide			50.0	48.5		ug/Kg		97	60 - 140	1	20
Carbon tetrachloride			50.0	50.8		ug/Kg		102	70 - 142	1	20
Chlorobenzene			50.0	49.6		ug/Kg		99	70 - 130	3	20
Chloroethane			50.0	49.0		ug/Kg		98	65 - 130	0	20
Chloroform			50.0	50.0		ug/Kg		100	77 - 127	3	20
Chloromethane			50.0	47.2		ug/Kg		94	55 - 140	2	20
2-Chlorotoluene			50.0	47.4		ug/Kg		95	70 - 138	0	20
4-Chlorotoluene			50.0	48.5		ug/Kg		97	70 - 136	1	20
Chlorodibromomethane			50.0	56.1		ug/Kg		112	70 - 146	10	20
1,2-Dichlorobenzene			50.0	49.4		ug/Kg		99	70 - 130	5	20
1,3-Dichlorobenzene			50.0	50.2		ug/Kg		100	70 - 131	4	20
1,4-Dichlorobenzene			50.0	49.4		ug/Kg		99	70 - 130	4	20
1,3-Dichloropropane			50.0	53.3		ug/Kg		107	70 - 140	9	20
1,1-Dichloropropene			50.0	49.5		ug/Kg		99	70 - 130	1	20
1,2-Dibromo-3-Chloropropane			50.0	53.3		ug/Kg		107	60 - 145	3	20
Ethylene Dibromide			50.0	54.9		ug/Kg		110	70 - 140	10	20
Dibromomethane			50.0	54.0		ug/Kg		108	70 - 139	10	20
Dichlorodifluoromethane			50.0	49.7		ug/Kg		99	37 - 158	0	20
1,1-Dichloroethane			50.0	48.9		ug/Kg		98	70 - 130	2	20
1,2-Dichloroethane			50.0	52.1		ug/Kg		104	70 - 130	8	20
1,1-Dichloroethene			50.0	48.4		ug/Kg		97	74 - 122	1	20
cis-1,2-Dichloroethene			50.0	49.7		ug/Kg		99	70 - 138	4	20
trans-1,2-Dichloroethene			50.0	47.7		ug/Kg		95	67 - 130	0	20
1,2-Dichloropropane			50.0	50.1		ug/Kg		100	73 - 127	6	20
cis-1,3-Dichloropropene			50.0	54.1		ug/Kg		108	68 - 147	8	20
trans-1,3-Dichloropropene			50.0	56.5		ug/Kg		113	70 - 155	9	20
Ethylbenzene			50.0	49.6		ug/Kg		99	80 - 137	2	20
Hexachlorobutadiene			50.0	49.7		ug/Kg		99	70 - 132	2	20
2-Hexanone			250	275		ug/Kg		110	62 - 158	9	20
Isopropylbenzene			50.0	50.3		ug/Kg		101	70 - 130	1	20
4-Isopropyltoluene			50.0	49.2		ug/Kg		98	70 - 133	0	20
Methylene Chloride			50.0	50.5		ug/Kg		101	70 - 134	3	20
4-Methyl-2-pentanone (MIBK)			250	273		ug/Kg		109	60 - 160	10	20
Naphthalene			50.0	50.5		ug/Kg		101	60 - 147	6	20
N-Propylbenzene			50.0	47.8		ug/Kg		96	70 - 130	2	20
Styrene			50.0	51.8		ug/Kg		104	70 - 130	5	20
1,1,1,2-Tetrachloroethane			50.0	52.2		ug/Kg		104	70 - 130	5	20
1,1,2,2-Tetrachloroethane			50.0	51.3		ug/Kg		103	70 - 146	5	20
Tetrachloroethene			50.0	51.6		ug/Kg		103	70 - 132	2	20
Toluene			50.0	48.3		ug/Kg		97	75 - 120	0	20
1,2,3-Trichlorobenzene			50.0	50.8		ug/Kg		102	60 - 140	8	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-275557/5
Matrix: Solid
Analysis Batch: 275557

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			50.0	51.5		ug/Kg		103	60 - 140	8	20
1,1,1-Trichloroethane			50.0	50.4		ug/Kg		101	70 - 130	0	20
1,1,2-Trichloroethane			50.0	54.0		ug/Kg		108	70 - 130	10	20
Trichloroethene			50.0	50.4		ug/Kg		101	70 - 133	1	20
Trichlorofluoromethane			50.0	50.1		ug/Kg		100	60 - 140	2	20
1,2,3-Trichloropropane			50.0	52.5		ug/Kg		105	70 - 146	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	51.4		ug/Kg		103	60 - 140	0	20
1,2,4-Trimethylbenzene			50.0	49.1		ug/Kg		98	70 - 130	1	20
1,3,5-Trimethylbenzene			50.0	49.0		ug/Kg		98	70 - 131	0	20
Vinyl acetate			50.0	41.9		ug/Kg		84	38 - 176	2	20
Vinyl chloride			50.0	51.0		ug/Kg		102	58 - 125	1	20
m-Xylene & p-Xylene			50.0	49.8		ug/Kg		100	70 - 146	1	20
o-Xylene			50.0	49.9		ug/Kg		100	70 - 140	3	20
Xylenes, Total			100	99.6		ug/Kg		100	70 - 146	2	20
2,2-Dichloropropane			50.0	52.3		ug/Kg		105	70 - 162	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*99*		*58 - 140*

Lab Sample ID: LCSD 720-275557/7
Matrix: Solid
Analysis Batch: 275557

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C4-C12			1000	1060		ug/Kg		106	70 - 122	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*97*		*58 - 140*

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Lab Sample ID: MB 720-275094/1-A
Matrix: Solid
Analysis Batch: 275210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		0.067	0.033	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Bis(2-chloroethyl)ether	ND		0.067	0.044	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2-Chlorophenol	ND		0.067	0.028	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
1,3-Dichlorobenzene	ND		0.067	0.031	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
1,4-Dichlorobenzene	ND		0.067	0.018	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Benzyl alcohol	ND		0.17	0.039	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
1,2-Dichlorobenzene	ND		0.067	0.041	mg/Kg		10/24/19 12:55	10/26/19 14:54	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: MB 720-275094/1-A
Matrix: Solid
Analysis Batch: 275210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.067	0.025	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Methylphenol, 3 & 4	ND		0.067	0.019	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
N-Nitrosodi-n-propylamine	ND		0.13	0.029	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Hexachloroethane	ND		0.13	0.066	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Nitrobenzene	ND		0.067	0.028	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Isophorone	ND		0.067	0.028	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2-Nitrophenol	ND		0.13	0.066	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2,4-Dimethylphenol	ND		0.13	0.054	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Bis(2-chloroethoxy)methane	ND		0.17	0.028	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2,4-Dichlorophenol	ND		0.33	0.031	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
1,2,4-Trichlorobenzene	ND		0.067	0.033	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Naphthalene	ND		0.13	0.032	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
4-Chloroaniline	ND		0.17	0.0088	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Hexachlorobutadiene	ND		0.067	0.039	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
4-Chloro-3-methylphenol	ND		0.17	0.024	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2-Methylnaphthalene	ND		0.067	0.026	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Hexachlorocyclopentadiene	ND		0.17	0.054	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2,4,6-Trichlorophenol	ND		0.17	0.020	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2,4,5-Trichlorophenol	ND		0.067	0.038	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2-Chloronaphthalene	ND		0.067	0.029	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2-Nitroaniline	ND		0.33	0.068	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Dimethyl phthalate	ND		0.17	0.030	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Acenaphthylene	ND		0.067	0.029	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
3-Nitroaniline	ND		0.17	0.078	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Acenaphthene	ND		0.067	0.029	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2,4-Dinitrophenol	ND		0.66	0.13	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
4-Nitrophenol	ND		0.33	0.068	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Dibenzofuran	ND		0.067	0.029	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2,4-Dinitrotoluene	ND		0.13	0.066	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2,6-Dinitrotoluene	ND		0.13	0.068	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Diethyl phthalate	ND		0.17	0.050	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
4-Chlorophenyl phenyl ether	ND		0.17	0.033	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Fluorene	ND		0.067	0.030	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
4-Nitroaniline	ND		0.33	0.066	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
2-Methyl-4,6-dinitrophenol	ND		0.33	0.068	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
N-Nitrosodiphenylamine	ND		0.067	0.027	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
4-Bromophenyl phenyl ether	ND		0.17	0.029	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Hexachlorobenzene	ND		0.13	0.025	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Pentachlorophenol	ND		0.67	0.13	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Phenanthrene	ND		0.13	0.066	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Anthracene	ND		0.067	0.029	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Di-n-butyl phthalate	ND		0.17	0.066	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Fluoranthene	ND		0.067	0.015	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Pyrene	ND		0.067	0.021	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Butyl benzyl phthalate	ND		0.17	0.061	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
3,3'-Dichlorobenzidine	ND		0.17	0.064	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Benzo[a]anthracene	ND		0.33	0.088	mg/Kg		10/24/19 12:55	10/26/19 14:54	1

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: MB 720-275094/1-A
Matrix: Solid
Analysis Batch: 275210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		0.33	0.088	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Chrysene	ND		0.13	0.019	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Di-n-octyl phthalate	ND		0.33	0.10	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Benzo[b]fluoranthene	ND		0.067	0.038	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Benzo[a]pyrene	ND		0.067	0.051	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Benzo[k]fluoranthene	ND		0.067	0.028	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Indeno[1,2,3-cd]pyrene	0.0447	J	0.067	0.026	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Benzo[g,h,i]perylene	ND		0.13	0.040	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Benzoic acid	0.0970	J	0.33	0.068	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Pyridine	ND		0.13	0.030	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Azobenzene	ND		0.067	0.027	mg/Kg		10/24/19 12:55	10/26/19 14:54	1
Dibenz(a,h)anthracene	0.0522	J	0.067	0.030	mg/Kg		10/24/19 12:55	10/26/19 14:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*62*		*21 - 98*	*10/24/19 12:55*	*10/26/19 14:54*	*1*
2-Fluorobiphenyl	*67*		*30 - 112*	*10/24/19 12:55*	*10/26/19 14:54*	*1*
Terphenyl-d14	*76*		*59 - 134*	*10/24/19 12:55*	*10/26/19 14:54*	*1*
2-Fluorophenol	*75*		*28 - 98*	*10/24/19 12:55*	*10/26/19 14:54*	*1*
Phenol-d5	*76*		*23 - 101*	*10/24/19 12:55*	*10/26/19 14:54*	*1*
2,4,6-Tribromophenol	*72*		*37 - 114*	*10/24/19 12:55*	*10/26/19 14:54*	*1*

Lab Sample ID: LCS 720-275094/2-A
Matrix: Solid
Analysis Batch: 275210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 275094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	2.67	2.02		mg/Kg		76	52 - 110
Bis(2-chloroethyl)ether	2.67	1.78		mg/Kg		67	43 - 110
2-Chlorophenol	2.67	1.99		mg/Kg		75	53 - 110
1,3-Dichlorobenzene	2.67	1.77		mg/Kg		66	44 - 110
1,4-Dichlorobenzene	2.67	1.81		mg/Kg		68	45 - 110
Benzyl alcohol	2.67	2.14		mg/Kg		80	55 - 100
1,2-Dichlorobenzene	2.67	1.84		mg/Kg		69	46 - 110
2-Methylphenol	2.67	1.97		mg/Kg		74	53 - 110
Methylphenol, 3 & 4	2.67	2.01		mg/Kg		75	56 - 101
N-Nitrosodi-n-propylamine	2.67	1.95		mg/Kg		73	34 - 110
Hexachloroethane	2.67	1.77		mg/Kg		66	45 - 110
Nitrobenzene	2.67	1.93		mg/Kg		72	51 - 110
Isophorone	2.67	1.99		mg/Kg		75	52 - 100
2-Nitrophenol	2.67	2.00		mg/Kg		75	54 - 105
2,4-Dimethylphenol	2.67	2.06		mg/Kg		77	52 - 100
Bis(2-chloroethoxy)methane	2.67	2.00		mg/Kg		75	52 - 110
2,4-Dichlorophenol	2.67	2.14		mg/Kg		80	56 - 100
1,2,4-Trichlorobenzene	2.67	1.95		mg/Kg		73	49 - 110
Naphthalene	2.67	1.90		mg/Kg		71	51 - 110
4-Chloroaniline	2.67	1.84		mg/Kg		69	35 - 110
Hexachlorobutadiene	2.67	2.01		mg/Kg		75	47 - 110

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: LCS 720-275094/2-A
Matrix: Solid
Analysis Batch: 275210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 275094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	2.67	2.21		mg/Kg		83	58 - 104
2-Methylnaphthalene	2.67	1.93		mg/Kg		72	53 - 110
Hexachlorocyclopentadiene	2.67	2.00		mg/Kg		75	6 - 106
2,4,6-Trichlorophenol	2.67	2.22		mg/Kg		83	55 - 105
2,4,5-Trichlorophenol	2.67	2.21		mg/Kg		83	53 - 106
2-Chloronaphthalene	2.67	1.99		mg/Kg		75	52 - 110
2-Nitroaniline	2.67	2.22		mg/Kg		83	59 - 109
Dimethyl phthalate	2.67	2.12		mg/Kg		80	56 - 109
Acenaphthylene	2.67	2.03		mg/Kg		76	53 - 102
3-Nitroaniline	2.67	2.10		mg/Kg		79	50 - 100
Acenaphthene	2.67	1.96		mg/Kg		74	53 - 103
2,4-Dinitrophenol	5.33	2.11		mg/Kg		40	18 - 100
4-Nitrophenol	5.33	4.45		mg/Kg		83	50 - 117
Dibenzofuran	2.67	2.01		mg/Kg		75	52 - 101
2,4-Dinitrotoluene	2.67	2.19		mg/Kg		82	59 - 115
2,6-Dinitrotoluene	2.67	2.20		mg/Kg		83	58 - 107
Diethyl phthalate	2.67	2.11		mg/Kg		79	56 - 114
4-Chlorophenyl phenyl ether	2.67	2.14		mg/Kg		80	53 - 106
Fluorene	2.67	2.13		mg/Kg		80	54 - 103
4-Nitroaniline	2.67	2.11		mg/Kg		79	49 - 115
2-Methyl-4,6-dinitrophenol	5.33	3.56		mg/Kg		67	48 - 114
N-Nitrosodiphenylamine	2.67	2.07		mg/Kg		78	56 - 110
4-Bromophenyl phenyl ether	2.67	2.18		mg/Kg		82	56 - 113
Hexachlorobenzene	2.67	2.18		mg/Kg		82	55 - 113
Pentachlorophenol	5.33	4.73		mg/Kg		89	46 - 115
Phenanthrene	2.67	2.15		mg/Kg		81	57 - 106
Anthracene	2.67	2.11		mg/Kg		79	59 - 112
Di-n-butyl phthalate	2.67	2.15		mg/Kg		81	58 - 119
Fluoranthene	2.67	2.19		mg/Kg		82	56 - 117
Pyrene	2.67	2.12		mg/Kg		80	61 - 121
Butyl benzyl phthalate	2.67	2.31		mg/Kg		87	57 - 126
3,3'-Dichlorobenzidine	2.67	2.06		mg/Kg		77	47 - 104
Benzo[a]anthracene	2.67	2.20		mg/Kg		82	58 - 117
Bis(2-ethylhexyl) phthalate	2.67	2.38		mg/Kg		89	58 - 131
Chrysene	2.67	2.24		mg/Kg		84	58 - 115
Di-n-octyl phthalate	2.67	2.29		mg/Kg		86	55 - 126
Benzo[b]fluoranthene	2.67	2.03		mg/Kg		76	57 - 120
Benzo[a]pyrene	2.67	2.32		mg/Kg		87	57 - 116
Benzo[k]fluoranthene	2.67	2.28		mg/Kg		86	59 - 122
Indeno[1,2,3-cd]pyrene	2.67	2.08		mg/Kg		78	56 - 117
Benzo[g,h,i]perylene	2.67	2.10		mg/Kg		79	52 - 124
Benzoic acid	2.67	2.10		mg/Kg		79	31 - 113
Pyridine	5.33	2.92		mg/Kg		55	30 - 110
Azobenzene	2.67	2.08		mg/Kg		78	52 - 111
Dibenz(a,h)anthracene	2.67	2.13		mg/Kg		80	57 - 116

Method: 8270C - Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (Continued)

Lab Sample ID: LCS 720-275094/2-A
Matrix: Solid
Analysis Batch: 275210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 275094

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*75*		*21 - 98*
2-Fluorobiphenyl	*79*		*30 - 112*
Terphenyl-d14	*89*		*59 - 134*
2-Fluorophenol	*81*		*28 - 98*
Phenol-d5	*83*		*23 - 101*
2,4,6-Tribromophenol	*87*		*37 - 114*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-275105/1-A
Matrix: Solid
Analysis Batch: 275135

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 275105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		2.0	0.75	mg/Kg		10/24/19 14:58	10/25/19 20:14	1
Motor Oil Range Organics [C24-C36]	ND		50	10	mg/Kg		10/24/19 14:58	10/25/19 20:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.006*		*0 - 1*	*10/24/19 14:58*	*10/25/19 20:14*	*1*
p-Terphenyl	*91*		*38 - 148*	*10/24/19 14:58*	*10/25/19 20:14*	*1*

Lab Sample ID: LCS 720-275105/2-A
Matrix: Solid
Analysis Batch: 275135

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 275105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	167	95.6		mg/Kg		57	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*91*		*38 - 148*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-275096/1-A
Matrix: Solid
Analysis Batch: 275238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0020	0.00050	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Dieldrin	ND		0.0020	0.00059	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Endrin aldehyde	ND		0.0020	0.00063	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Endrin	ND		0.0020	0.00046	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Endrin ketone	ND		0.0020	0.00033	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Heptachlor	ND		0.0020	0.00046	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Heptachlor epoxide	ND		0.0020	0.00035	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
4,4'-DDT	ND		0.0020	0.00041	mg/Kg		10/24/19 13:17	10/28/19 19:28	1

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

Lab Sample ID: MB 720-275096/1-A
Matrix: Solid
Analysis Batch: 275238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	ND		0.0020	0.00042	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
4,4'-DDD	ND		0.0020	0.00061	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Endosulfan I	ND		0.0020	0.00032	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Endosulfan II	ND		0.0020	0.00049	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
alpha-BHC	ND		0.0020	0.00055	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
beta-BHC	ND		0.0020	0.00036	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
gamma-BHC (Lindane)	ND		0.0020	0.00063	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
delta-BHC	ND		0.0020	0.00044	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Endosulfan sulfate	ND		0.0020	0.00038	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Methoxychlor	ND		0.0020	0.00068	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Toxaphene	ND		0.040	0.0068	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
Chlordane (technical)	ND		0.040	0.0032	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
cis-Chlordane	ND		0.0020	0.00040	mg/Kg		10/24/19 13:17	10/28/19 19:28	1
trans-Chlordane	ND		0.0020	0.00046	mg/Kg		10/24/19 13:17	10/28/19 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*21 - 145*	*10/24/19 13:17*	*10/28/19 19:28*	*1*
DCB Decachlorobiphenyl	*90*		*21 - 136*	*10/24/19 13:17*	*10/28/19 19:28*	*1*

Lab Sample ID: LCS 720-275096/2-A
Matrix: Solid
Analysis Batch: 275238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 275096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0167	0.0114		mg/Kg		69	65 - 120
Dieldrin	0.0167	0.0131		mg/Kg		79	72 - 120
Endrin aldehyde	0.0167	0.0161		mg/Kg		97	68 - 120
Endrin	0.0167	0.0132		mg/Kg		79	68 - 120
Endrin ketone	0.0167	0.0143		mg/Kg		86	75 - 136
Heptachlor	0.0167	0.0123		mg/Kg		74	69 - 120
Heptachlor epoxide	0.0167	0.0133		mg/Kg		80	68 - 120
4,4'-DDT	0.0167	0.0136		mg/Kg		82	63 - 127
4,4'-DDE	0.0167	0.0132		mg/Kg		79	76 - 126
4,4'-DDD	0.0167	0.0133		mg/Kg		80	75 - 128
Endosulfan I	0.0167	0.0134		mg/Kg		81	62 - 120
Endosulfan II	0.0167	0.0144		mg/Kg		87	65 - 120
alpha-BHC	0.0167	0.0115		mg/Kg		69	46 - 122
beta-BHC	0.0167	0.0138		mg/Kg		83	78 - 136
gamma-BHC (Lindane)	0.0167	0.0124		mg/Kg		74	72 - 120
delta-BHC	0.0167	0.0103		mg/Kg		62	43 - 125
Endosulfan sulfate	0.0167	0.0138		mg/Kg		83	72 - 121
Methoxychlor	0.0167	0.0139		mg/Kg		84	71 - 132
cis-Chlordane	0.0167	0.0133		mg/Kg		80	70 - 120
trans-Chlordane	0.0167	0.0131		mg/Kg		78	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*73*		*21 - 145*
DCB Decachlorobiphenyl	*87*		*21 - 136*

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

Lab Sample ID: MB 720-275097/1-A
Matrix: Solid
Analysis Batch: 275298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.050	0.00084	mg/Kg		10/24/19 13:18	10/28/19 23:43	1
PCB-1221	ND		0.050	0.00084	mg/Kg		10/24/19 13:18	10/28/19 23:43	1
PCB-1232	ND		0.050	0.00084	mg/Kg		10/24/19 13:18	10/28/19 23:43	1
PCB-1242	ND		0.050	0.00084	mg/Kg		10/24/19 13:18	10/28/19 23:43	1
PCB-1248	ND		0.050	0.00084	mg/Kg		10/24/19 13:18	10/28/19 23:43	1
PCB-1254	ND		0.050	0.00084	mg/Kg		10/24/19 13:18	10/28/19 23:43	1
PCB-1260	ND		0.050	0.00096	mg/Kg		10/24/19 13:18	10/28/19 23:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*45 - 132*	*10/24/19 13:18*	*10/28/19 23:43*	*1*
DCB Decachlorobiphenyl	*93*		*42 - 146*	*10/24/19 13:18*	*10/28/19 23:43*	*1*

Lab Sample ID: LCS 720-275097/2-A
Matrix: Solid
Analysis Batch: 275298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 275097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.133	0.121		mg/Kg		91	65 - 121
PCB-1260	0.133	0.138		mg/Kg		104	68 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*45 - 132*
DCB Decachlorobiphenyl	*117*		*42 - 146*

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-576782/1-A
Matrix: Solid
Analysis Batch: 576828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 576782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		10/27/19 15:05	10/28/19 22:43	3

Lab Sample ID: LCS 440-576782/2-A
Matrix: Solid
Analysis Batch: 576828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 576782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	40.0	38.1		mg/Kg		95	80 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-275218/1-A
Matrix: Solid
Analysis Batch: 275361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.194	J	0.50	0.083	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Arsenic	ND		1.0	0.085	mg/Kg		10/26/19 15:52	10/29/19 22:57	1

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

Lab Sample ID: MB 720-275218/1-A
Matrix: Solid
Analysis Batch: 275361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.50	0.071	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Beryllium	ND		0.10	0.033	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Cadmium	ND		0.13	0.012	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Chromium	ND		0.50	0.053	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Cobalt	ND		0.20	0.020	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Copper	ND		1.5	0.71	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Lead	ND		0.50	0.11	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Molybdenum	ND		0.50	0.064	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Nickel	ND		0.50	0.051	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Selenium	ND		1.0	0.15	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Silver	ND		0.25	0.051	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Thallium	ND		0.50	0.15	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Vanadium	ND		0.50	0.068	mg/Kg		10/26/19 15:52	10/29/19 22:57	1
Zinc	ND		1.5	0.64	mg/Kg		10/26/19 15:52	10/29/19 22:57	1

Lab Sample ID: LCS 720-275218/2-A
Matrix: Solid
Analysis Batch: 275361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 275218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	40.0	42.8		mg/Kg		107	80 - 120
Arsenic	40.0	42.3		mg/Kg		106	80 - 120
Barium	40.0	42.7		mg/Kg		107	80 - 120
Beryllium	40.0	38.3		mg/Kg		96	80 - 120
Cadmium	40.0	42.8		mg/Kg		107	80 - 120
Chromium	40.0	42.5		mg/Kg		106	80 - 120
Cobalt	40.0	44.0		mg/Kg		110	80 - 120
Copper	40.0	43.0		mg/Kg		107	80 - 120
Lead	40.0	44.9		mg/Kg		112	80 - 120
Molybdenum	40.0	43.3		mg/Kg		108	80 - 120
Nickel	40.0	42.7		mg/Kg		107	80 - 120
Selenium	40.0	41.9		mg/Kg		105	80 - 120
Silver	20.0	21.7		mg/Kg		109	80 - 120
Thallium	40.0	44.0		mg/Kg		110	80 - 120
Vanadium	40.0	41.2		mg/Kg		103	80 - 120
Zinc	40.0	44.1		mg/Kg		110	80 - 120

Lab Sample ID: MB 720-275249/1-A
Matrix: Solid
Analysis Batch: 275306

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 275249

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0029	mg/L		10/28/19 09:46	10/28/19 16:00	1
Chromium	ND		0.010	0.00070	mg/L		10/28/19 09:46	10/28/19 16:00	1

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

Lab Sample ID: LCS 720-275249/2-A
Matrix: Solid
Analysis Batch: 275306

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 275249

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.845		mg/L		85	80 - 120
Chromium	1.00	0.826		mg/L		83	80 - 120

Lab Sample ID: LB4 720-274976/1-C
Matrix: Solid
Analysis Batch: 275306

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 275249

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.029	mg/L		10/28/19 09:46	10/28/19 16:10	1
Chromium	ND		0.10	0.0070	mg/L		10/28/19 09:46	10/28/19 16:10	1

Lab Sample ID: LB4 720-275082/1-B
Matrix: Solid
Analysis Batch: 275306

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 275249

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.029	mg/L		10/28/19 09:46	10/28/19 17:29	1
Chromium	ND		0.10	0.0070	mg/L		10/28/19 09:46	10/28/19 17:29	1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-275277/1-A
Matrix: Solid
Analysis Batch: 275346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 275277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017	0.0025	mg/Kg		10/28/19 15:27	10/29/19 16:33	1

Lab Sample ID: LCS 720-275277/2-A
Matrix: Solid
Analysis Batch: 275346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 275277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.765		mg/Kg		92	80 - 120

QC Association Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

GC/MS VOA

Prep Batch: 275081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	5030B	

Analysis Batch: 275487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	8260B/CA_LUFT MS	275081
MB 720-275487/8	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-275487/4	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-275487/6	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-275487/5	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-275487/7	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 275536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	5030B	
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	5030B	
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	5030B	

Analysis Batch: 275557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	8260B/CA_LUFT MS	275536
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	8260B/CA_LUFT MS	275536
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	8260B/CA_LUFT MS	275536
MB 720-275557/8	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-275557/4	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-275557/6	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-275557/5	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-275557/7	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	

GC/MS Semi VOA

Prep Batch: 275094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	3546	
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	3546	
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	3546	
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	3546	
MB 720-275094/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-275094/2-A	Lab Control Sample	Total/NA	Solid	3546	

GC/MS Semi VOA

Analysis Batch: 275210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-275094/1-A	Method Blank	Total/NA	Solid	8270C	275094
LCS 720-275094/2-A	Lab Control Sample	Total/NA	Solid	8270C	275094

Analysis Batch: 275299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	8270C	275094
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	8270C	275094
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	8270C	275094
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	8270C	275094

GC Semi VOA

Prep Batch: 275096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	3546	
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	3546	
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	3546	
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	3546	
MB 720-275096/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-275096/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 275097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	3546	
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	3546	
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	3546	
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	3546	
MB 720-275097/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-275097/2-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 275105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Silica Gel Cleanup	Solid	3546	
720-95705-2	MPHSEG-ENV-B@0.5'	Silica Gel Cleanup	Solid	3546	
720-95705-3	MPHSEG-ENV-C@0.5'	Silica Gel Cleanup	Solid	3546	
720-95705-4	MPHSEG-ENV-D@0.5'	Silica Gel Cleanup	Solid	3546	
MB 720-275105/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	
LCS 720-275105/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 275135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-275105/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	275105
LCS 720-275105/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	275105

Analysis Batch: 275227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Silica Gel Cleanup	Solid	8015B	275105
720-95705-2	MPHSEG-ENV-B@0.5'	Silica Gel Cleanup	Solid	8015B	275105
720-95705-3	MPHSEG-ENV-C@0.5'	Silica Gel Cleanup	Solid	8015B	275105
720-95705-4	MPHSEG-ENV-D@0.5'	Silica Gel Cleanup	Solid	8015B	275105

GC Semi VOA

Analysis Batch: 275229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	8082	275097
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	8082	275097
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	8082	275097
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	8082	275097

Analysis Batch: 275238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-275096/1-A	Method Blank	Total/NA	Solid	8081A	275096
LCS 720-275096/2-A	Lab Control Sample	Total/NA	Solid	8081A	275096

Analysis Batch: 275298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-275097/1-A	Method Blank	Total/NA	Solid	8082	275097
LCS 720-275097/2-A	Lab Control Sample	Total/NA	Solid	8082	275097

Analysis Batch: 275310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	8081A	275096
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	8081A	275096
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	8081A	275096
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	8081A	275096

HPLC/IC

Prep Batch: 576782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	3060A	
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	3060A	
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	3060A	
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	3060A	
MB 440-576782/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 440-576782/2-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 576828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	7199	576782
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	7199	576782
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	7199	576782
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	7199	576782
MB 440-576782/1-A	Method Blank	Total/NA	Solid	7199	576782
LCS 440-576782/2-A	Lab Control Sample	Total/NA	Solid	7199	576782

Metals

Leach Batch: 274976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB4 720-274976/1-C	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 275082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	STLC Citrate	Solid	CA WET Citrate	
720-95705-2	MPHSEG-ENV-B@0.5'	STLC Citrate	Solid	CA WET Citrate	

Metals (Continued)

Leach Batch: 275082 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-3	MPHSEG-ENV-C@0.5'	STLC Citrate	Solid	CA WET Citrate	
720-95705-4	MPHSEG-ENV-D@0.5'	STLC Citrate	Solid	CA WET Citrate	
LB4 720-275082/1-B	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 275218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	3050B	
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	3050B	
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	3050B	
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	3050B	
MB 720-275218/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-275218/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 275249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	STLC Citrate	Solid	3005A	275082
720-95705-2	MPHSEG-ENV-B@0.5'	STLC Citrate	Solid	3005A	275082
720-95705-3	MPHSEG-ENV-C@0.5'	STLC Citrate	Solid	3005A	275082
720-95705-4	MPHSEG-ENV-D@0.5'	STLC Citrate	Solid	3005A	275082
LB4 720-274976/1-C	Method Blank	STLC Citrate	Solid	3005A	274976
LB4 720-275082/1-B	Method Blank	STLC Citrate	Solid	3005A	275082
MB 720-275249/1-A	Method Blank	Total Recoverable	Solid	3005A	
LCS 720-275249/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	

Prep Batch: 275277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	7471A	
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	7471A	
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	7471A	
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	7471A	
MB 720-275277/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-275277/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Analysis Batch: 275306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	STLC Citrate	Solid	6010B	275249
720-95705-2	MPHSEG-ENV-B@0.5'	STLC Citrate	Solid	6010B	275249
720-95705-3	MPHSEG-ENV-C@0.5'	STLC Citrate	Solid	6010B	275249
720-95705-4	MPHSEG-ENV-D@0.5'	STLC Citrate	Solid	6010B	275249
LB4 720-274976/1-C	Method Blank	STLC Citrate	Solid	6010B	275249
LB4 720-275082/1-B	Method Blank	STLC Citrate	Solid	6010B	275249
MB 720-275249/1-A	Method Blank	Total Recoverable	Solid	6010B	275249
LCS 720-275249/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	275249

Analysis Batch: 275346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-275277/1-A	Method Blank	Total/NA	Solid	7471A	275277
LCS 720-275277/2-A	Lab Control Sample	Total/NA	Solid	7471A	275277

Metals

Analysis Batch: 275361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	6010B	275218
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	6010B	275218
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	6010B	275218
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	6010B	275218
MB 720-275218/1-A	Method Blank	Total/NA	Solid	6010B	275218
LCS 720-275218/2-A	Lab Control Sample	Total/NA	Solid	6010B	275218

Analysis Batch: 275396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-1	MPHSEG-ENV-A@0.5'	Total/NA	Solid	7471A	275277
720-95705-2	MPHSEG-ENV-B@0.5'	Total/NA	Solid	7471A	275277
720-95705-3	MPHSEG-ENV-C@0.5'	Total/NA	Solid	7471A	275277
720-95705-4	MPHSEG-ENV-D@0.5'	Total/NA	Solid	7471A	275277

Lab Chronicle

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-A@0.5'
Lab Sample ID: 720-95705-1
Date Collected: 10/21/19 10:00
Matrix: Solid
Date Received: 10/23/19 13:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			275081	10/24/19 09:21	BMT	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	275487	11/01/19 02:44	JRM	TAL PLS
Total/NA	Prep	3546			275094	10/24/19 15:56	JMM	TAL PLS
Total/NA	Analysis	8270C		1	275299	10/29/19 06:45	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			275105	10/24/19 14:58	JMM	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	275227	10/29/19 03:03	JXL	TAL PLS
Total/NA	Prep	3546			275096	10/24/19 15:06	JMM	TAL PLS
Total/NA	Analysis	8081A		1	275310	10/29/19 20:06	LRC	TAL PLS
Total/NA	Prep	3546			275097	10/24/19 15:08	JMM	TAL PLS
Total/NA	Analysis	8082		1	275229	10/29/19 02:16	JZT	TAL PLS
Total/NA	Prep	3060A			576782	10/27/19 15:05	RW	TAL IRV
Total/NA	Analysis	7199		3	576828	10/29/19 02:47	MN	TAL IRV
STLC Citrate	Leach	CA WET Citrate			275082	10/24/19 13:00	BMT	TAL PLS
STLC Citrate	Prep	3005A			275249	10/28/19 09:46	JAM	TAL PLS
STLC Citrate	Analysis	6010B		1	275306	10/28/19 18:14	MAG	TAL PLS
Total/NA	Prep	3050B			275218	10/26/19 15:52	JAM	TAL PLS
Total/NA	Analysis	6010B		4	275361	10/30/19 00:13	BKR	TAL PLS
Total/NA	Prep	7471A			275277	10/28/19 15:27	MAG	TAL PLS
Total/NA	Analysis	7471A		1	275396	10/30/19 11:38	MAG	TAL PLS

Client Sample ID: MPHSEG-ENV-B@0.5'
Lab Sample ID: 720-95705-2
Date Collected: 10/21/19 11:00
Matrix: Solid
Date Received: 10/23/19 13:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			275536	11/01/19 13:59	RAR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	275557	11/02/19 00:40	P1P	TAL PLS
Total/NA	Prep	3546			275094	10/24/19 15:56	JMM	TAL PLS
Total/NA	Analysis	8270C		1	275299	10/29/19 04:39	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			275105	10/24/19 14:58	JMM	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	275227	10/29/19 00:37	JXL	TAL PLS
Total/NA	Prep	3546			275096	10/24/19 15:06	JMM	TAL PLS
Total/NA	Analysis	8081A		1	275310	10/29/19 20:24	LRC	TAL PLS
Total/NA	Prep	3546			275097	10/24/19 15:08	JMM	TAL PLS
Total/NA	Analysis	8082		1	275229	10/29/19 02:33	JZT	TAL PLS
Total/NA	Prep	3060A			576782	10/27/19 15:05	RW	TAL IRV
Total/NA	Analysis	7199		3	576828	10/29/19 03:02	MN	TAL IRV
STLC Citrate	Leach	CA WET Citrate			275082	10/24/19 13:00	BMT	TAL PLS
STLC Citrate	Prep	3005A			275249	10/28/19 09:46	JAM	TAL PLS
STLC Citrate	Analysis	6010B		1	275306	10/28/19 18:19	MAG	TAL PLS
Total/NA	Prep	3050B			275218	10/26/19 15:52	JAM	TAL PLS
Total/NA	Analysis	6010B		4	275361	10/30/19 00:27	BKR	TAL PLS
Total/NA	Prep	7471A			275277	10/28/19 15:27	MAG	TAL PLS
Total/NA	Analysis	7471A		1	275396	10/30/19 11:39	MAG	TAL PLS

Lab Chronicle

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-C@0.5'
Lab Sample ID: 720-95705-3
Date Collected: 10/21/19 09:15
Matrix: Solid
Date Received: 10/23/19 13:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			275536	11/01/19 13:59	RAR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	275557	11/02/19 01:07	P1P	TAL PLS
Total/NA	Prep	3546			275094	10/24/19 15:56	JMM	TAL PLS
Total/NA	Analysis	8270C		1	275299	10/29/19 05:04	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			275105	10/24/19 14:58	JMM	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	275227	10/29/19 01:06	JXL	TAL PLS
Total/NA	Prep	3546			275096	10/24/19 15:06	JMM	TAL PLS
Total/NA	Analysis	8081A		1	275310	10/29/19 20:42	LRC	TAL PLS
Total/NA	Prep	3546			275097	10/24/19 15:08	JMM	TAL PLS
Total/NA	Analysis	8082		1	275229	10/29/19 02:50	JZT	TAL PLS
Total/NA	Prep	3060A			576782	10/27/19 15:05	RW	TAL IRV
Total/NA	Analysis	7199		3	576828	10/29/19 03:16	MN	TAL IRV
STLC Citrate	Leach	CA WET Citrate			275082	10/24/19 13:00	BMT	TAL PLS
STLC Citrate	Prep	3005A			275249	10/28/19 09:46	JAM	TAL PLS
STLC Citrate	Analysis	6010B		1	275306	10/28/19 18:24	MAG	TAL PLS
Total/NA	Prep	3050B			275218	10/26/19 15:52	JAM	TAL PLS
Total/NA	Analysis	6010B		4	275361	10/30/19 00:32	BKR	TAL PLS
Total/NA	Prep	7471A			275277	10/28/19 15:27	MAG	TAL PLS
Total/NA	Analysis	7471A		1	275396	10/30/19 11:41	MAG	TAL PLS

Client Sample ID: MPHSEG-ENV-D@0.5'
Lab Sample ID: 720-95705-4
Date Collected: 10/21/19 11:30
Matrix: Solid
Date Received: 10/23/19 13:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			275536	11/01/19 13:59	RAR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	275557	11/02/19 01:33	P1P	TAL PLS
Total/NA	Prep	3546			275094	10/24/19 15:56	JMM	TAL PLS
Total/NA	Analysis	8270C		2	275299	10/29/19 07:11	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			275105	10/24/19 14:58	JMM	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	275227	10/29/19 03:32	JXL	TAL PLS
Total/NA	Prep	3546			275096	10/24/19 15:06	JMM	TAL PLS
Total/NA	Analysis	8081A		1	275310	10/29/19 21:00	LRC	TAL PLS
Total/NA	Prep	3546			275097	10/24/19 15:09	JMM	TAL PLS
Total/NA	Analysis	8082		1	275229	10/29/19 03:07	JZT	TAL PLS
Total/NA	Prep	3060A			576782	10/27/19 15:05	RW	TAL IRV
Total/NA	Analysis	7199		3	576828	10/29/19 03:31	MN	TAL IRV
STLC Citrate	Leach	CA WET Citrate			275082	10/24/19 13:00	BMT	TAL PLS
STLC Citrate	Prep	3005A			275249	10/28/19 09:46	JAM	TAL PLS
STLC Citrate	Analysis	6010B		1	275306	10/28/19 18:29	MAG	TAL PLS
Total/NA	Prep	3050B			275218	10/26/19 15:52	JAM	TAL PLS
Total/NA	Analysis	6010B		4	275361	10/30/19 00:37	BKR	TAL PLS
Total/NA	Prep	7471A			275277	10/28/19 15:27	MAG	TAL PLS
Total/NA	Analysis	7471A		1	275396	10/30/19 11:43	MAG	TAL PLS

Lab Chronicle

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Laboratory References:

EMLab P&K = EMLab P&K - South San Francisco, 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080, TEL (866)888-6653

TAL IRV = Eurofins TestAmerica, Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL PLS = Eurofins TestAmerica, Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Laboratory: Eurofins TestAmerica, Pleasanton

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

Authority	Program	Identification Number	Expiration Date
California	State Program	2496	01-31-20

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

Analysis Method	Prep Method	Matrix	Analyte

Laboratory: Eurofins TestAmerica, Irvine

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska	State	CA01531	06-30-20
Arizona	State	AZ0671	10-14-20
California	LA Cty Sanitation Districts	10256	06-30-20
California	Los Angeles County Sanitation Districts	10256	06-30-20
California	State	2706	06-30-20
Guam	State	19-005R	01-23-20
Hawaii	State	CA01531	01-29-20
Hawaii	State Program	N/A	01-29-20
Kansas	NELAP	E-10420	07-31-20
Nevada	State	CA015312020-4	07-31-20
New Mexico	State	CA01531	01-29-20
New Mexico	State Program	N/A	01-29-20
Oregon	NELAP	4028 - 006	01-29-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-18-00214	07-09-21
Washington	State	C900	09-03-20
Washington	State Program	C900	09-03-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8270C	Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PLS
7199	Chromium, Hexavalent (IC)	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS
Subcontract	AsbestosT CARB 435A	None	EMLab P&K
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PLS
3050B	Preparation, Metals	SW846	TAL PLS
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL IRV
3546	Microwave Extraction	SW846	TAL PLS
5030B	Purge and Trap	SW846	TAL PLS
7471A	Preparation, Mercury	SW846	TAL PLS
CA WET Citrate	California - Waste Extraction Test with Citrate Leach	CA-WET	TAL PLS

Protocol References:

CA-WET = California Waste Extraction Test, from Title 22

None = None

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

Laboratory References:

EMLab P&K = EMLab P&K - South San Francisco, 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080, TEL (866)888-6653

TAL IRV = Eurofins TestAmerica, Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL PLS = Eurofins TestAmerica, Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-1
Project/Site: Mt. Pleasant High School-New Entry Gate

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
720-95705-1	MPHSEG-ENV-A@0.5'	Solid	10/21/19 10:00	10/23/19 13:10	
720-95705-2	MPHSEG-ENV-B@0.5'	Solid	10/21/19 11:00	10/23/19 13:10	
720-95705-3	MPHSEG-ENV-C@0.5'	Solid	10/21/19 09:15	10/23/19 13:10	
720-95705-4	MPHSEG-ENV-D@0.5'	Solid	10/21/19 11:30	10/23/19 13:10	

eurofins | EMLab P&K

Report for:

Ms. Afsaneh Salimpour
TestAmerica-Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566

Regarding: Project: 720-95705-1; Mt. Pleasant High School-New Entry Gate
EML ID: 2283929

Approved by:

Murali R Putty

Technical Manager
Murali Putty

Dates of Analysis:
Asbestos-CARB 435 (400 pt ct): 10-31-2019

Service SOPs: Asbestos-CARB 435 (400 pt ct) (EM-AS-S-1265)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K
6000 Shoreline Ct, Ste 205, So. San Francisco, CA 94080
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Pleasanton
C/O: Ms. Afsaneh Salimpour
Re: 720-95705-1; Mt. Pleasant High School-New Entry Gate

Date of Sampling: 10-21-2019
Date of Receipt: 10-25-2019
Date of Report: 10-31-2019

ASBESTOS POINT COUNT REPORT: CARB METHOD 435

Location:	MPHSEG-ENV-A@0.5' (720-95705-1)		
Total Points Counted:	400		
Lab ID-Version‡:	10861102-1		
Sample Layers	**Asbestos Type**	**Asbestos Points Counted**	**Asbestos Concentration (%)**
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

Location:	MPHSEG-ENV-B@0.5' (720-95705-2)		
Total Points Counted:	400		
Lab ID-Version‡:	10861103-1		
Sample Layers	**Asbestos Type**	**Asbestos Points Counted**	**Asbestos Concentration (%)**
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

Location:	MPHSEG-ENV-C @0.5' (720-95705-3)		
Total Points Counted:	400		
Lab ID-Version‡:	10861104-1		
Sample Layers	**Asbestos Type**	**Asbestos Points Counted**	**Asbestos Concentration (%)**
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

The analytical sensitivity is 1 asbestos point. The limit of detection is 1 asbestos point divided by the total number of points counted and multiplied by 100.

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
6000 Shoreline Ct, Ste 205, So. San Francisco, CA 94080
(866) 888-6653 Fax (623) 780-7695 www.emlab.com

Client: TestAmerica-Pleasanton
C/O: Ms. Afsaneh Salimpour
Re: 720-95705-1; Mt. Pleasant High School-New Entry Gate

Date of Sampling: 10-21-2019
Date of Receipt: 10-25-2019
Date of Report: 10-31-2019

ASBESTOS POINT COUNT REPORT: CARB METHOD 435

Location:	MPHSEG-ENV-D@0.5' (720-95705-4)		
Total Points Counted:	400		
Lab ID-Version‡:	10861105-1		
Sample Layers	**Asbestos Type**	**Asbestos Points Counted**	**Asbestos Concentration (%)**
Brown Soil	-	-	ND
Layer Totals:		-	-

Comments: No asbestos was detected and no points were counted.

The analytical sensitivity is 1 asbestos point. The limit of detection is 1 asbestos point divided by the total number of points counted and multiplied by 100.

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

720-95705

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 193025

Date 10/21/19 Page 1 of 1

Report To

Attn: Grant Foster
Company: Cleary Consultants, Inc.
Address: 560 Division Street, Campbell, CA 95008
Phone: 650-948-0574 Email: grant foster@clearyconsultantsinc.com
Bill To: Cleary Consultants Sampled By: Dustin Letterberger
Attn: Accounts Payable Phone: 948-0574

Analysis Request

Sample ID	Date	Time	Matrix	Pres erv.	TPH EPA - ☐ 8015/8021 ☒ 8260B ☒ Gas w/ ☒ BTEX ☒ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☒ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other ___	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxyenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☒ EPA 8260B ☐ 624	Semivolatiles GC/MS ☒ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☒ EPA 8081 ☐ 608 PCBs ☒ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☒ Other Chromium VI	Low Level Metals by EPA 200.8/6020 (ICP-MS): EPA 7199	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalerit Chromium ☐ pH (24h hold time for H_2O)	☐ Spec Cond. ☐ Alkalinity, ☐ TSS ☐ TDS ☐	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	STLC Extractable Hold (All Others)	Asbestos CARB 435A	Arsenic and Chromium - STLC	Run as Composite	Number of Containers
MPHSEG-ENV-A@0.5'	10/21/19	10:00 AM	Soil	Ice	X		X			X	X		X		X	X							X	X	X		3
MPHSEG-ENV-B@0.5'		11:00 AM																									3
MPHSEG-ENV-C@0.5'		9:15 AM																									3
MPHSEG-ENV-D@0.5'		11:30 AM																									3

Project Info.

Project Name: **
Project#: 978.146
PO#: See Project #
Credit Card#:

TAT: (5 Day) 72h 48h 24h Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ State Tank Fund EDF

Special Instructions / Comments: ☐ Global ID ____

** MT. PLEASANT HIGH SCHOOL - NEW ENTRY GATE

Sample Receipt

of Containers: 12
Head Space:
Temp: 5.1°C
Conforms to record:

1) Relinquished by: [signature] 11:30 10/23
Signature Time
Dustin Letterberger 10/23
Printed Name Date
Cleary Consultants, Inc.
Company

1) Received by: [signature] 11:35
Signature Time
RICH 1023-19
Printed Name Date
ETA PLS
Company

2) Relinquished by: [signature] 13:10
Signature Time
RICH 1023-19
Printed Name Date
ETA PLS
Company

2) Received by: [signature] 1310
Signature Time
Grant Foster 10-23-19
Printed Name Date
ETA
Company

3) Relinquished by:
Signature Time
720-95705 Chain of Custody
Signature
Printed Name Date
Company

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_8-C_{24} (Industry norm). Default for 8015B is C_{10}-C_{28}

Rev02/09

Eurofins TestAmerica, Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone: 925-484-1919 Fax: 925-600-3002

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh F	Carrier Tracking No(s): 1302 3164 0592	COC No: 720-43933.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: afsaneh.salimpour@testamericainc.com	State of Origin: California	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): State Program - California		Job #: 720-95705-1
Address: 17461 Derian Ave, Suite 100,	Due Date Requested: 10/29/2019			
City: Irvine	TAT Requested (days):			
State, Zip: CA, 92614-5817				
Phone: 949-261-1022(Tel) 949-260-3297(Fax)	PO #:			
Email:	WO #:			
Project Name: Mt. Pleasant High School-New Entry Gate	Project #: 72008204			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7199_ORGFM/3060A	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MPHSEG-ENV-A@0.5' (720-95705-1)	10/21/19	10:00 Pacific		Solid			X	1	
MPHSEG-ENV-B@0.5' (720-95705-2)	10/21/19	11:00 Pacific		Solid			X	1	
MPHSEG-ENV-C@0.5' (720-95705-3)	10/21/19	09:15 Pacific		Solid			X	1	
MPHSEG-ENV-D@0.5' (720-95705-4)	10/21/19	11:30 Pacific		Solid			X	1	

Note. Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time: 10/24/19 1500	Company ETA-PLS	Received by:	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Olga Cuevas	Date/Time: 10/25/19 945	Company TAIRV

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2/1.4 IR-89

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Cleary Consultants, Inc

Job Number: 720-95705-1

Login Number: 95705
List Number: 1
Creator: Arauz, Dennis

List Source: Eurofins TestAmerica, Pleasanton

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

Login Sample Receipt Checklist

Client: Cleary Consultants, Inc

Job Number: 720-95705-1

Login Number: 95705
List Number: 2
Creator: Ornelas, Olga

List Source: Eurofins TestAmerica, Irvine
List Creation: 10/25/19 01:21 PM

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

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

Laboratory Job ID: 720-95705-2
Client Project/Site: Mt. Pleasant High School-New Entry Gate

For:
Cleary Consultants, Inc
560 Division Street
Campbell, California 95008

Attn: Grant Foster

Authorized for release by:
11/13/2019 10:44:52 AM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 7
QC Association Summary 8
Lab Chronicle 9
Certification Summary 10
Method Summary 11
Sample Summary 12
Chain of Custody 13
Receipt Checklists 14

Definitions/Glossary

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

Glossary

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

Case Narrative

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

Job ID: 720-95705-2

Laboratory: Eurofins TestAmerica, Pleasanton

Narrative

Job Narrative
720-95705-2

Comments
No additional comments.

Receipt
The samples were received on 10/23/2019 1:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.1° C.

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

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

Detection Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-C@0.5'
Lab Sample ID: 720-95705-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pleasanton

Client Sample Results

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-C@0.5'
Lab Sample ID: 720-95705-3
Date Collected: 10/21/19 09:15
Matrix: Solid
Date Received: 10/23/19 13:10

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10	0.015	mg/L		11/11/19 14:50	11/12/19 15:29	1

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-276002/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 276090
Prep Batch: 276002

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.010	0.0015	mg/L		11/11/19 14:50	11/12/19 17:07	1

Lab Sample ID: LCS 720-276002/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 276085
Prep Batch: 276002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1.00	0.966		mg/L		97	80 - 120

Lab Sample ID: LB 720-275903/1-B
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: TCLP
Analysis Batch: 276085
Prep Batch: 276002

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10	0.015	mg/L		11/11/19 14:50	11/12/19 14:29	1

QC Association Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

Metals

Leach Batch: 275903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-3	MPHSEG-ENV-C@0.5'	TCLP	Solid	1311	
LB 720-275903/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 276002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-3	MPHSEG-ENV-C@0.5'	TCLP	Solid	3010A	275903
LB 720-275903/1-B	Method Blank	TCLP	Solid	3010A	275903
MB 720-276002/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-276002/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 276085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 720-275903/1-B	Method Blank	TCLP	Solid	6010B	276002
LCS 720-276002/2-A	Lab Control Sample	Total/NA	Solid	6010B	276002

Analysis Batch: 276090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-95705-3	MPHSEG-ENV-C@0.5'	TCLP	Solid	6010B	276002
MB 720-276002/1-A	Method Blank	Total/NA	Solid	6010B	276002

Lab Chronicle

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

Client Sample ID: MPHSEG-ENV-C@0.5'
Lab Sample ID: 720-95705-3
Date Collected: 10/21/19 09:15
Matrix: Solid
Date Received: 10/23/19 13:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			275903	11/08/19 14:57	JAM	TAL PLS
TCLP	Prep	3010A			276002	11/11/19 14:50	BMT	TAL PLS
TCLP	Analysis	6010B		1	276090	11/12/19 15:29	MAG	TAL PLS

Laboratory References:

TAL PLS = Eurofins TestAmerica, Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

Laboratory: Eurofins TestAmerica, Pleasanton

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

Authority	Program	Identification Number	Expiration Date
California	State Program	2496	01-31-20

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

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
1311	TCLP Extraction	SW846	TAL PLS
3010A	Preparation, Total Metals	SW846	TAL PLS

Protocol References:

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

Laboratory References:

TAL PLS = Eurofins TestAmerica, Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Cleary Consultants, Inc
Job ID: 720-95705-2
Project/Site: Mt. Pleasant High School-New Entry Gate

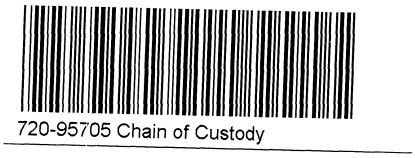
Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
720-95705-3	MPHSEG-ENV-C@0.5'	Solid	10/21/19 09:15	10/23/19 13:10	

Salimpour, Afsaneh 720-95705-2

From: Kelly Dustin <kdustin@clearyconsultantsinc.com>
Sent: Tuesday, November 05, 2019 10:38 AM
To: Salimpour, Afsaneh
Cc: Grant Foster; Dustin Lettenberger
Subject: Re: Eurofins TestAmerica invoice, EDD and report files from 720-95705-1 Mt. Pleasant High School-New Entry Gate

-External Email-

Sorry! I meant TCLP!



Sent from my iPhone
Kelly Dustin - Cleary Consultants Inc
Staff Engineering Geologist
650-444-0274 - Cell
650-948-0574 - Office

On Nov 5, 2019, at 10:05 AM, Salimpour, Afsaneh <Afsaneh.Salimpour@testamericainc.com> wrote:

> Hi Kelly,
> We already reported STLC-CR !
> Thanks,
>
> **From:** kdustin@clearyconsultantsinc.com [mailto:kdustin@clearyconsultantsinc.com]
> **Sent:** Monday, November 04, 2019 5:52 PM
> **To:** Salimpour, Afsaneh
> **Cc:** 'Grant Foster'; 'Dustin Lettenberger'
> **Subject:** RE: Eurofins TestAmerica invoice, EDD and report files from 720-95705-1 Mt. Pleasant High School-New Entry Gate
>
> **-External Email-**
>
> ---
>
> Please run STLC on Chromium for ENV-C
>
> Please call me with any questions,
>
> Kelly Dustin - Cleary Consultants Inc
> Staff Engineering Geologist
> 650-444-0274 - Cell
> 650-948-0574 - Office
>
> 560 Division Street
> Campbell | California 95008
> Office 650-948-0574
>
> CCI Website

Login Sample Receipt Checklist

Client: Cleary Consultants, Inc

Job Number: 720-95705-2

Login Number: 95705

List Source: Eurofins TestAmerica, Pleasanton

List Number: 1

Creator: Arauz, Dennis

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