



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 531 - Manhattan-Monee Road Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

13400 block of W. Manhattan-Monee Road (ISGS Site No. 3132V-2)

City: Manhattan State: IL Zip Code: 60442

County: Will Township: Manhattan

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.42486 Longitude: - 87.94176

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 560

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS OF 3132V-2-B02 AND 3132V-2-B04 THROUGH 3132V-2-B06 WERE SAMPLED AT SITE 3132V-2. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TEST AMERICA REPORT - JOB ID: 500-169088-1

ALSO, SEE FIGURES 4-1 AND 4-5 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.


IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael Fischer (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

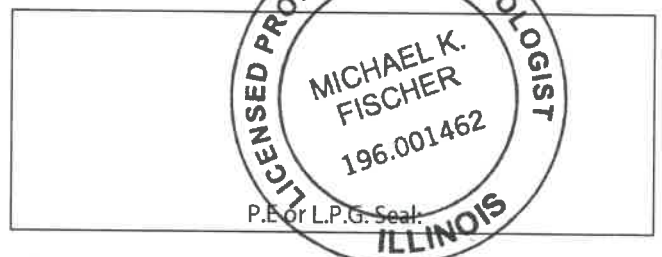
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Environmental Design International inc.
Street Address: 33 West Monroe Street, Suite 1825
City: Chicago State: IL Zip Code: 60603
Phone: 312-345-1400

Michael Fischer
Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/06/2019
Date:



Summary Table of ISGS Site No. 3132V-2
 Detected Soil Analytes and Comparison with Applicable Criteria
 Soil Analytical Results
 IDOT Contract No: PTB 174-009; Work Order 062A
 FAP 531 - Manhattan-Monee Road
 Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-2-B02	3132V-2-B04	3132V-2-B05	3132V-2-B05	3132V-2-B05	3132V-2-B06		
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Chicago	MSAs			pH 6.25-9.0	Date Collected	3132V-2-B02	3132V-2-B04	3132V-2-B05	3132V-2-B05	3132V-2-B05	3132V-2-B05
		Ingestion	Inhalation	Ingestion	Inhalation	Class I								0-5	0-5	0-5	0-5	5-10.5	0-5
														Sample Depth (feet)	0-5	0-5	0-5	0-5	5-10.5
CCDD	Lab Sample ID	ISGS Site No.	500-169088-2	500-169088-5	500-169088-6	500-169088-7	500-169088-8	500-169088-9											
Volatile Organic Analytical Parameters																			
2-Butanone (MEK)	mg/kg	47,000	25000	120,000	730	17	---	---	---	17	0.0079	ND	0.0098	0.0047	0.0036	0.0035			
Acetone	mg/kg	70,000	100000	---	100000	25	*	---	---	25	0.037	ND	0.045	0.022	0.021	0.023			
Semivolatile Organic Analytical Parameters																			
Benzo[a]anthracene	mg/kg	0.9	---	170	---	2	*	1.1	1.8	0.9	ND	ND	ND	ND	ND	ND			
Benzo[a]pyrene	mg/kg	0.09	---	17	---	8	*	1.3	2.1	0.09	ND	ND	0.013	ND	ND	ND			
Benzo[b]fluoranthene	mg/kg	0.9	---	170	---	5	*	1.5	2.1	0.9	0.0088	ND	0.012	ND	ND	ND			
Benzo[g,h,i]perylene	mg/kg	2,300	---	61,000	---	27,000	---	0.68	1.7	2,300	ND	ND	ND	ND	ND	ND			
Benzo[k]fluoranthene	mg/kg	9	---	1,700	---	49	*	0.99	1.7	9	ND	ND	ND	ND	ND	ND			
Chrysene	mg/kg	88	---	17,000	---	160	*	1.2	2.7	88	ND	ND	ND	ND	ND	ND			
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	*	2.7	4.1	3,100	0.010	ND	0.012	ND	ND	ND			
Phenanthrene	mg/kg	2,300	---	61,000	---	200	---	1.3	2.5	210	0.0085	ND	ND	ND	ND	ND			
Pyrene	mg/kg	2,300	---	61,000	---	4,200	*	1.9	3	2,300	0.010	ND	0.014	ND	ND	ND			
Inorganic Analytical Parameters																			
Antimony	mg/kg	31	---	82	---	---	*	---	4	5	0.27	ND	0.26	ND	ND	0.26			
Arsenic	mg/kg	13	750	61	25,000	---	*	---	13	11.3	6.7	7.7	6.0	5.9	8.3	7.9			
Barium	mg/kg	5,500	690,000	14,000	870,000	---	*	---	110	1,500	95	54	110	110	76	92			
Beryllium	mg/kg	160	1,300	410	44,000	---	*	---	0.59	22	0.68	0.70	0.83	0.84	0.81	0.85			
Cadmium	mg/kg	78	1,800	200	59,000	---	*	---	0.6	5.2	0.23	0.27	0.31	0.37	0.27	0.25			
Calcium	mg/kg	---	---	---	---	---	*	---	9,300	---	16000	65000	4200	5200	9100	5600			
Chromium	mg/kg	230	270	4,100	690	---	*	---	16.2	21	16	17	20	20	20	21			
Cobalt	mg/kg	4,700	---	12,000	---	---	*	---	8.9	20	11	13	9.7	10	13	12			
Copper	mg/kg	2,900	---	8,200	---	---	*	---	19.6	2,900	17	23	20	20	23	23			
Iron	mg/kg	---	---	---	---	---	---	---	15,900	15,000	18000	20000	20000	20000	24000	22000			
Lead	mg/kg	400	---	700	---	---	*	---	36	107	18	13	23	21	15	20			
Magnesium	mg/kg	325,000	---	730,000	---	---	*	---	4,820	325,000	11000	23000	4200	4700	8200	5600			
Manganese	mg/kg	1,600	69,000	4,100	8,700	---	*	---	636	630	570	310	190	230	470	310			
Mercury	mg/kg	23	10	61	0.1	---	*	---	0.06	0.89	0.012	ND	0.019	0.016	0.021	0.013			
Nickel	mg/kg	1,600	13,000	4,100	440,000	---	*	---	18	100	22	30	26	27	37	30			
Potassium	mg/kg	---	---	---	---	---	*	---	1,268	---	2100	3100	2100	2000	2400	2600			
Selenium	mg/kg	390	---	1,000	---	---	*	---	0.48	1.3	0.53	0.53	0.46	0.62	0.38	0.36			
Silver	mg/kg	390	---	1,000	---	---	*	---	0.55	4.4	3.3	2.8	3.9	4.1	3.8	4.0			
Sodium	mg/kg	---	---	---	---	---	*	---	130	---	1500	730	4000	4000	1200	1500			
Thallium	mg/kg	6	---	160	---	---	*	---	0.32	2.6	1.1	1.0	1.2	1.3	1.5	1.3			
Vanadium	mg/kg	550	---	1,400	---	---	*	---	25.2	550	28	23	33	31	29	32			
Zinc	mg/kg	23,000	---	61,000	---	---	*	---	95	5,100	62	67	85	84	83	79			
pH									6.25 - 9.0		8.0	8.6	7.9	8.0	7.8	7.6			

Summary Table of ISGS Site No. 3132V-2
 Detected Soil Analytes and Comparison with Applicable Criteria
 Soil Analytical Results
 IDOT Contract No: PTB 174-009; Work Order 062A
 FAP 531 - Manhattan-Monee Road
 Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-2-B02	3132V-2-B04	3132V-2-B05	3132V-2-B05	3132V-2-B05	3132V-2-B06				
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Chicago	MSAs			pH 6.25-9.0	Date Collected	3132V-2-B02	3132V-2-B04	3132V-2-B05	3132V-2-B05	3132V-2-B05	3132V-2-B06		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I								0-5	0-5	0-5	0-5	5-10.5	0-5		
														Sample Depth (feet)	0-5	0-5	0-5	0-5	5-10.5	0-5	
CCDD	Lab Sample ID	500-169088-2	500-169088-5	500-169088-6	500-169088-7	500-169088-8	500-169088-9	ISGS Site No.	3132V-2	3132V-2	3132V-2	3132V-2	3132V-2	3132V-2	3132V-2						
											mg/kg										
Inorganic Analytical Parameters (TCLP)																					
Antimony_TCLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND	ND	ND	ND					
Arsenic_TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND					
Barium_TCLP	mg/L	---	---	---	---	2	---	---	---	---	0.51	0.35	0.46	0.46	0.31	0.40					
Beryllium_TCLP	mg/L	---	---	---	---	0.004	---	---	---	---	ND	ND	ND	ND	ND	ND					
Cadmium_TCLP	mg/L	---	---	---	---	0.005	---	---	---	---	0.0025	0.0031	ND	ND	ND	ND					
Calcium_TCLP	mg/L	---	---	---	---	---	---	---	---	---	240	1100	220	230	200	100					
Chromium_TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	ND	ND	ND	ND	0.011					
Cobalt_TCLP	mg/L	---	---	---	---	1	---	---	---	---	0.034	0.020	0.018	0.018	ND	0.016					
Copper_TCLP	mg/L	---	---	---	---	0.65	---	---	---	---	ND	ND	ND	ND	ND	ND					
Iron_TCLP	mg/L	---	---	---	---	5	---	---	---	---	0.27	ND	ND	ND	ND	0.36					
Lead_TCLP	mg/L	---	---	---	---	0.0075	---	---	---	---	ND	ND	ND	<0.0075	ND	ND					
Magnesium_TCLP	mg/L	---	---	---	---	---	---	---	---	---	120	92	73	76	99	40					
Manganese_TCLP	mg/L	---	---	---	---	0.15	---	---	---	---	11	3.1	6.8	5.5	1.3	4.6					
Mercury_TCLP	mg/L	---	---	---	---	0.002	---	---	---	---	ND	ND	ND	ND	ND	ND					
Nickel_TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.020	0.017	0.012	0.010	0.014	ND					
Potassium_TCLP	mg/L	---	---	---	---	---	---	---	---	---	1.9	0.79	1.5	1.3	1.0	1.9					
Selenium_TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND					
Silver_TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND					
Sodium_TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND					
Thallium_TCLP	mg/L	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	ND	ND					
Vanadium_TCLP	mg/L	---	---	---	---	0.049	---	---	---	---	ND	ND	ND	ND	ND	ND					
Zinc_TCLP	mg/L	---	---	---	---	5	---	---	---	---	0.045	0.58	0.76	0.041	0.37	0.091					
Inorganic Analytical Parameters (SPLP)																					
Antimony_SPLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND	ND	ND	ND					
Arsenic_SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.048	0.067	0.051	0.048	0.071	0.052					
Barium_SPLP	mg/L	---	---	---	---	2	---	---	---	---	0.57	1.0	0.84	0.81	1.2	0.56					
Beryllium_SPLP	mg/L	---	---	---	---	0.004	---	---	---	---	0.0059	0.010	0.0073	0.0068	0.012	0.0057					
Cadmium_SPLP	mg/L	---	---	---	---	0.005	---	---	---	---	0.0027	0.0030	0.0026	0.0024	0.0031	0.0025					
Calcium_SPLP	mg/L	---	---	---	---	---	---	---	---	---	14	63	22	21	31	13					
Chromium_SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.13	0.21	0.17	0.17	0.27	0.14					
Cobalt_SPLP	mg/L	---	---	---	---	1	---	---	---	---	0.043	0.051	0.058	0.052	0.065	0.052					
Copper_SPLP	mg/L	---	---	---	---	0.65	---	---	---	---	0.15	0.19	0.14	0.14	0.20	0.15					
Iron_SPLP	mg/L	---	---	---	---	5	---	---	---	---	140	210	180	170	300	140					
Lead_SPLP	mg/L	---	---	---	---	0.0075	---	---	---	---	0.13	0.13	0.12	0.12	0.11	0.11					
Magnesium_SPLP	mg/L	---	---	---	---	---	---	---	---	---	24	62	29	28	58	23					
Manganese_SPLP	mg/L	---	---	---	---	0.15	---	---	---	---	1.5	0.96	1.3	1.3	1.3	0.84					
Mercury_SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.00037	0.00029	0.00035	0.00031	0.00075	0.00029					
Nickel_SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.12	0.20	0.16	0.15	0.27	0.15					
Potassium_SPLP	mg/L	---	---	---	---	---	---	---	---	---	32	88	27	23	55	24					
Selenium_SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND					
Silver_SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	0.018	0.012	0.012	0.020	0.011					
Sodium_SPLP	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Thallium_SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.0040	0.0049	0.0027	0.0026	0.0045	0.0032					
Vanadium_SPLP	mg/L	---	---	---	---	0.049	---	---	---	---	0.21	0.30	0.27	0.27	0.40	0.22					
Zinc_SPLP	mg/L	---	---	---	---	5	---	---	---	---	0.75	0.60	0.99	0.54	1.4	0.41					

Table Notes

Remediation Objectives from 35 Illinois Administrative Code Chapter 742: *Tiered Approach to Corrective Action Objectives* (TACO) and the most stringent Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil (MACs) outline in Title 35 Administrative Code of the Illinois Administrative Code Part 1100 (35 IAC 1100).

Remediation Objectives for Non-TACO compounds from Illinois Environmental Protection Agency's (IEPA's) web site (<http://www.epa.state.il.us/land/taco/chemicals-not-in-taco-tier-1-tables.html>).

mg/kg = milligrams per kilogram, generally equivalent to ppm

mg/L = milligrams per liter, generally equivalent to parts per million (ppm)

TCLP = Toxicity Characteristic Leaching Procedure

SPLP = Synthetic Precipitation Leaching Procedure

-- = Sample not analyzed for this constituent

--- = No IEPA Remediation Objective (RO) for this exposure route.


---- = Not measured


ND = Constituent not detected above the reporting limit.


Italicized Tier 1 ROs were changed to laboratory Acceptable Detection Limits (ADL) per 35 IAC 742.510(a)(8).


* In pH-specific table, hexavalent chromium used as RO for total chromium to allow for a conservative comparison. Since no Class II pH-specific ROs exist for chromium, silver, and vanadium, conservative Class I ROs used for comparison.

**Lab Data for 3 & 4 methylphenol compared to 4 methylphenol Ros.

 Yellow is above the most stringent MAC

 Blue is above MAC and City of Chicago but below the MSA

 Green is above MAC and MSA County

 Orange is above the lowest construction worker RO

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-169088-1
Client Project/Site: IDOT - PTB 174-009 - WO 062

For:
Environmental Design International, Inc.
33 W. Monroe
Suite 1825
Chicago, Illinois 60603

Attn: Michael Fischer



Authorized for release by:
9/10/2019 3:27:01 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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Have a Question?



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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
1312	SPLP Extraction	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
9010B	Cyanide, Distillation	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B02 (0-5)

Lab Sample ID: 500-169088-2

Date Collected: 08/27/19 12:05

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.037		0.020	0.0089	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Benzene	<0.00052		0.0020	0.00052	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Bromodichloromethane	<0.00042		0.0020	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Bromoform	<0.00060		0.0020	0.00060	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Bromomethane	<0.0019		0.0051	0.0019	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
2-Butanone (MEK)	0.0079		0.0051	0.0023	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Carbon disulfide	<0.0011		0.0051	0.0011	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Carbon tetrachloride	<0.00059		0.0020	0.00059	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Chlorobenzene	<0.00076		0.0020	0.00076	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Chloroethane	<0.0015		0.0051	0.0015	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Chloroform	<0.00071		0.0020	0.00071	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Chloromethane	<0.0021		0.0051	0.0021	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
cis-1,2-Dichloroethene	<0.00057		0.0020	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
cis-1,3-Dichloropropene	<0.00062		0.0020	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Dibromochloromethane	<0.00067		0.0020	0.00067	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
1,1-Dichloroethane	<0.00070		0.0020	0.00070	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
1,2-Dichloroethane	<0.0016		0.0051	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
1,1-Dichloroethene	<0.00070		0.0020	0.00070	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
1,2-Dichloropropane	<0.00053		0.0020	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
1,3-Dichloropropane, Total	<0.00072		0.0020	0.00072	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Ethylbenzene	<0.00098		0.0020	0.00098	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
2-Hexanone	<0.0016		0.0051	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Methylene Chloride	<0.0020		0.0051	0.0020	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
4-Methyl-2-pentanone (MIBK)	<0.0015		0.0051	0.0015	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Methyl tert-butyl ether	<0.00060		0.0020	0.00060	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Styrene	<0.00062		0.0020	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
1,1,2,2-Tetrachloroethane	<0.00065		0.0020	0.00065	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Tetrachloroethene	<0.00070		0.0020	0.00070	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Toluene	<0.00052		0.0020	0.00052	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
trans-1,2-Dichloroethene	<0.00091		0.0020	0.00091	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
trans-1,3-Dichloropropene	<0.00072		0.0020	0.00072	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
1,1,1-Trichloroethane	<0.00069		0.0020	0.00069	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
1,1,2-Trichloroethane	<0.00088		0.0020	0.00088	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Trichloroethene	<0.00069		0.0020	0.00069	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Vinyl acetate	<0.0018		0.0051	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Vinyl chloride	<0.00091		0.0020	0.00091	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1
Xylenes, Total	<0.00066		0.0041	0.00066	mg/Kg	☼	08/27/19 17:07	09/05/19 06:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	08/27/19 17:07	09/05/19 06:48	1
Dibromofluoromethane	86		75 - 126	08/27/19 17:07	09/05/19 06:48	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	08/27/19 17:07	09/05/19 06:48	1
Toluene-d8 (Surr)	85		75 - 124	08/27/19 17:07	09/05/19 06:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0071		0.039	0.0071	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Acenaphthylene	<0.0052		0.039	0.0052	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Anthracene	<0.0066		0.039	0.0066	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Benzo[a]anthracene	<0.0053		0.039	0.0053	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B02 (0-5)

Lab Sample ID: 500-169088-2

Date Collected: 08/27/19 12:05

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0077		0.039	0.0077	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Benzo[b]fluoranthene	0.0088	J	0.039	0.0086	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Benzo[g,h,i]perylene	<0.013		0.039	0.013	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Benzo[k]fluoranthene	<0.012		0.039	0.012	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Bis(2-chloroethoxy)methane	<0.040		0.20	0.040	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Bis(2-chloroethyl)ether	<0.059		0.20	0.059	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Bis(2-ethylhexyl) phthalate	<0.072		0.20	0.072	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Butyl benzyl phthalate	<0.075		0.20	0.075	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Carbazole	<0.099		0.20	0.099	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
4-Chloroaniline	<0.19		0.80	0.19	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
4-Chloro-3-methylphenol	<0.13		0.39	0.13	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2-Chloronaphthalene	<0.044		0.20	0.044	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2-Chlorophenol	<0.068		0.20	0.068	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Chrysene	<0.011		0.039	0.011	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Dibenz(a,h)anthracene	<0.0077		0.039	0.0077	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Dibenzofuran	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
1,2-Dichlorobenzene	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
1,3-Dichlorobenzene	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
1,4-Dichlorobenzene	<0.051		0.20	0.051	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
3,3'-Dichlorobenzidine	<0.056		0.20	0.056	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2,4-Dichlorophenol	<0.094		0.39	0.094	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Diethyl phthalate	<0.067		0.20	0.067	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2,4-Dimethylphenol	<0.15		0.39	0.15	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Dimethyl phthalate	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Di-n-butyl phthalate	<0.060		0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
4,6-Dinitro-2-methylphenol	<0.32		0.80	0.32	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2,4-Dinitrophenol	<0.70		0.80	0.70	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2,4-Dinitrotoluene	<0.063		0.20	0.063	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2,6-Dinitrotoluene	<0.078		0.20	0.078	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Di-n-octyl phthalate	<0.065		0.20	0.065	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Fluoranthene	0.010	J	0.039	0.0074	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Fluorene	<0.0056		0.039	0.0056	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Hexachlorobenzene	<0.0092		0.080	0.0092	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Hexachlorobutadiene	<0.062		0.20	0.062	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Hexachlorocyclopentadiene	<0.23		0.80	0.23	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Hexachloroethane	<0.060		0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Indeno[1,2,3-cd]pyrene	<0.010		0.039	0.010	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Isophorone	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2-Methylnaphthalene	<0.0073	*	0.080	0.0073	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2-Methylphenol	<0.064		0.20	0.064	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
3 & 4 Methylphenol	<0.066		0.20	0.066	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Naphthalene	<0.0061		0.039	0.0061	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2-Nitroaniline	<0.053		0.20	0.053	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
3-Nitroaniline	<0.12		0.39	0.12	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
4-Nitroaniline	<0.17		0.39	0.17	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Nitrobenzene	<0.0099		0.039	0.0099	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2-Nitrophenol	<0.094		0.39	0.094	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B02 (0-5)

Lab Sample ID: 500-169088-2

Date Collected: 08/27/19 12:05

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.38		0.80	0.38	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
N-Nitrosodi-n-propylamine	<0.048		0.080	0.048	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
N-Nitrosodiphenylamine	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2,2'-oxybis[1-chloropropane]	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Pentachlorophenol	<0.64		0.80	0.64	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Phenanthrene	0.0085	J	0.039	0.0055	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Phenol	<0.088		0.20	0.088	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
Pyrene	0.010	J	0.039	0.0079	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
1,2,4-Trichlorobenzene	<0.043		0.20	0.043	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2,4,5-Trichlorophenol	<0.091		0.39	0.091	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1
2,4,6-Trichlorophenol	<0.14		0.39	0.14	mg/Kg	☼	09/06/19 08:24	09/06/19 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		43 - 145	09/06/19 08:24	09/06/19 22:39	1
2-Fluorophenol	90		31 - 166	09/06/19 08:24	09/06/19 22:39	1
Nitrobenzene-d5	59		37 - 147	09/06/19 08:24	09/06/19 22:39	1
Phenol-d5	80		30 - 153	09/06/19 08:24	09/06/19 22:39	1
Terphenyl-d14	111		42 - 157	09/06/19 08:24	09/06/19 22:39	1
2,4,6-Tribromophenol	68		31 - 143	09/06/19 08:24	09/06/19 22:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.2	0.23	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Arsenic	6.7		0.60	0.21	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Barium	95		0.60	0.069	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Beryllium	0.68		0.24	0.056	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Cadmium	0.23	B	0.12	0.022	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Chromium	16		0.60	0.30	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Cobalt	11		0.30	0.079	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Copper	17		0.60	0.17	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Iron	18000		12	6.3	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Lead	18		0.30	0.14	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Magnesium	11000		6.0	3.0	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Calcium	16000	B	12	2.0	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Manganese	570		0.60	0.087	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Nickel	22		0.60	0.18	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Selenium	0.53	J	0.60	0.35	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Silver	3.3		0.30	0.078	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Thallium	1.1		0.60	0.30	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Vanadium	28		0.30	0.071	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Zinc	62		1.2	0.53	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Potassium	2100		30	11	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1
Sodium	1500		60	8.9	mg/Kg	☼	09/04/19 08:51	09/06/19 00:17	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 19:26	1
Barium	0.51		0.50	0.050	mg/L		09/09/19 08:14	09/09/19 19:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 19:26	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 19:26	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B02 (0-5)

Lab Sample ID: 500-169088-2

Date Collected: 08/27/19 12:05

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	240		5.0	0.50	mg/L		09/09/19 08:14	09/09/19 19:26	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:26	1
Cobalt	0.034		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:26	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:26	1
Iron	0.27	J	0.40	0.20	mg/L		09/09/19 08:14	09/09/19 19:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/09/19 19:26	1
Magnesium	120		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:26	1
Manganese	11		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:26	1
Nickel	0.020	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:26	1
Potassium	1.9	J	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:26	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 19:26	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:26	1
Vanadium	<0.010	^	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:26	1
Zinc	0.045	J B	0.50	0.020	mg/L		09/09/19 08:14	09/09/19 19:26	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.048	J	0.050	0.010	mg/L		09/09/19 08:12	09/09/19 22:52	1
Barium	0.57		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 22:52	1
Beryllium	0.0059		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 22:52	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 22:52	1
Calcium	14		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 22:52	1
Chromium	0.13		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:52	1
Cobalt	0.043		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:52	1
Copper	0.15		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:52	1
Iron	140		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 22:52	1
Lead	0.13		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 22:52	1
Magnesium	24		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:52	1
Manganese	1.5		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:52	1
Nickel	0.12		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:52	1
Potassium	32		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:52	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 22:52	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:52	1
Vanadium	0.21		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:52	1
Zinc	0.75		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 22:52	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 21:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 21:44	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/10/19 00:18	1
Thallium	0.0040		0.0020	0.0020	mg/L		09/09/19 08:12	09/10/19 00:18	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00037		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 12:51	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B02 (0-5)

Lab Sample ID: 500-169088-2

Date Collected: 08/27/19 12:05

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.5

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 12:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.020	0.0067	mg/Kg	☼	09/05/19 13:05	09/06/19 06:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.56	0.28	mg/Kg	☼	09/06/19 13:35	09/06/19 16:24	1
pH	8.0		0.2	0.2	SU			09/03/19 19:34	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B04 (0-5)

Lab Sample ID: 500-169088-5

Date Collected: 08/27/19 11:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 87.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0071		0.016	0.0071	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Benzene	<0.00041		0.0016	0.00041	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Bromodichloromethane	<0.00033		0.0016	0.00033	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Bromoform	<0.00048		0.0016	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Bromomethane	<0.0015		0.0041	0.0015	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
2-Butanone (MEK)	<0.0018		0.0041	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Carbon disulfide	<0.00085		0.0041	0.00085	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Carbon tetrachloride	<0.00047		0.0016	0.00047	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Chlorobenzene	<0.00060		0.0016	0.00060	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Chloroethane	<0.0012		0.0041	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Chloroform	<0.00056		0.0016	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Chloromethane	<0.0016		0.0041	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
cis-1,2-Dichloroethene	<0.00045		0.0016	0.00045	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
cis-1,3-Dichloropropene	<0.00049		0.0016	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Dibromochloromethane	<0.00053		0.0016	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
1,1-Dichloroethane	<0.00056		0.0016	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
1,2-Dichloroethane	<0.0013		0.0041	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
1,1-Dichloroethene	<0.00056		0.0016	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
1,2-Dichloropropane	<0.00042		0.0016	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
1,3-Dichloropropane, Total	<0.00057		0.0016	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Ethylbenzene	<0.00078		0.0016	0.00078	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
2-Hexanone	<0.0013		0.0041	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Methylene Chloride	<0.0016		0.0041	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
4-Methyl-2-pentanone (MIBK)	<0.0012		0.0041	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Methyl tert-butyl ether	<0.00048		0.0016	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Styrene	<0.00049		0.0016	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
1,1,2,2-Tetrachloroethane	<0.00052		0.0016	0.00052	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Tetrachloroethene	<0.00055		0.0016	0.00055	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Toluene	<0.00041		0.0016	0.00041	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
trans-1,2-Dichloroethene	<0.00072		0.0016	0.00072	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
trans-1,3-Dichloropropene	<0.00057		0.0016	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
1,1,1-Trichloroethane	<0.00055		0.0016	0.00055	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
1,1,2-Trichloroethane	<0.00070		0.0016	0.00070	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Trichloroethene	<0.00055		0.0016	0.00055	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Vinyl acetate	<0.0014		0.0041	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Vinyl chloride	<0.00072		0.0016	0.00072	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1
Xylenes, Total	<0.00052		0.0033	0.00052	mg/Kg	☼	08/27/19 17:07	09/05/19 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	08/27/19 17:07	09/05/19 14:49	1
Dibromofluoromethane	85		75 - 126	08/27/19 17:07	09/05/19 14:49	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	08/27/19 17:07	09/05/19 14:49	1
Toluene-d8 (Surr)	84		75 - 124	08/27/19 17:07	09/05/19 14:49	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0066		0.036	0.0066	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Acenaphthylene	<0.0048		0.036	0.0048	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Anthracene	<0.0061		0.036	0.0061	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Benzof[a]anthracene	<0.0049		0.036	0.0049	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B04 (0-5)

Lab Sample ID: 500-169088-5

Date Collected: 08/27/19 11:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0071		0.036	0.0071	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Benzo[b]fluoranthene	<0.0079		0.036	0.0079	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Benzo[g,h,i]perylene	<0.012		0.036	0.012	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Benzo[k]fluoranthene	<0.011		0.036	0.011	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Bis(2-chloroethoxy)methane	<0.037		0.18	0.037	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Bis(2-chloroethyl)ether	<0.055		0.18	0.055	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Bis(2-ethylhexyl) phthalate	<0.067		0.18	0.067	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
4-Bromophenyl phenyl ether	<0.048		0.18	0.048	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Butyl benzyl phthalate	<0.070		0.18	0.070	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Carbazole	<0.092		0.18	0.092	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
4-Chloroaniline	<0.17		0.74	0.17	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
4-Chloro-3-methylphenol	<0.12		0.36	0.12	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2-Chloronaphthalene	<0.041		0.18	0.041	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2-Chlorophenol	<0.063		0.18	0.063	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
4-Chlorophenyl phenyl ether	<0.043		0.18	0.043	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Chrysene	<0.010		0.036	0.010	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Dibenz(a,h)anthracene	<0.0071		0.036	0.0071	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Dibenzofuran	<0.043		0.18	0.043	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
1,2-Dichlorobenzene	<0.044		0.18	0.044	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
1,3-Dichlorobenzene	<0.041		0.18	0.041	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
1,4-Dichlorobenzene	<0.047		0.18	0.047	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
3,3'-Dichlorobenzidine	<0.051		0.18	0.051	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2,4-Dichlorophenol	<0.087		0.36	0.087	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Diethyl phthalate	<0.062		0.18	0.062	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2,4-Dimethylphenol	<0.14		0.36	0.14	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Dimethyl phthalate	<0.048		0.18	0.048	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Di-n-butyl phthalate	<0.056		0.18	0.056	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
4,6-Dinitro-2-methylphenol	<0.29		0.74	0.29	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2,4-Dinitrophenol	<0.65		0.74	0.65	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2,4-Dinitrotoluene	<0.058		0.18	0.058	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2,6-Dinitrotoluene	<0.072		0.18	0.072	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Di-n-octyl phthalate	<0.060		0.18	0.060	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Fluoranthene	<0.0068		0.036	0.0068	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Fluorene	<0.0052		0.036	0.0052	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Hexachlorobenzene	<0.0085		0.074	0.0085	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Hexachlorobutadiene	<0.058		0.18	0.058	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Hexachlorocyclopentadiene	<0.21		0.74	0.21	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Hexachloroethane	<0.056		0.18	0.056	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Indeno[1,2,3-cd]pyrene	<0.0095		0.036	0.0095	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Isophorone	<0.041		0.18	0.041	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2-Methylnaphthalene	<0.0067 *		0.074	0.0067	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2-Methylphenol	<0.059		0.18	0.059	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
3 & 4 Methylphenol	<0.061		0.18	0.061	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Naphthalene	<0.0056		0.036	0.0056	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2-Nitroaniline	<0.049		0.18	0.049	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
3-Nitroaniline	<0.11		0.36	0.11	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
4-Nitroaniline	<0.15		0.36	0.15	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Nitrobenzene	<0.0092		0.036	0.0092	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2-Nitrophenol	<0.087		0.36	0.087	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B04 (0-5)

Lab Sample ID: 500-169088-5

Date Collected: 08/27/19 11:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.35		0.74	0.35	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
N-Nitrosodi-n-propylamine	<0.045		0.074	0.045	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
N-Nitrosodiphenylamine	<0.043		0.18	0.043	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2,2'-oxybis[1-chloropropane]	<0.043		0.18	0.043	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Pentachlorophenol	<0.59		0.74	0.59	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Phenanthrene	<0.0051		0.036	0.0051	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Phenol	<0.081		0.18	0.081	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
Pyrene	<0.0073		0.036	0.0073	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
1,2,4-Trichlorobenzene	<0.040		0.18	0.040	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2,4,5-Trichlorophenol	<0.084		0.36	0.084	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1
2,4,6-Trichlorophenol	<0.13		0.36	0.13	mg/Kg	☼	09/06/19 08:24	09/07/19 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	97		43 - 145	09/06/19 08:24	09/07/19 00:01	1
2-Fluorophenol	102		31 - 166	09/06/19 08:24	09/07/19 00:01	1
Nitrobenzene-d5	78		37 - 147	09/06/19 08:24	09/07/19 00:01	1
Phenol-d5	95		30 - 153	09/06/19 08:24	09/07/19 00:01	1
Terphenyl-d14	132		42 - 157	09/06/19 08:24	09/07/19 00:01	1
2,4,6-Tribromophenol	70		31 - 143	09/06/19 08:24	09/07/19 00:01	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.22		1.1	0.22	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Arsenic	7.7		0.57	0.19	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Barium	54		0.57	0.064	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Beryllium	0.70		0.23	0.053	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Cadmium	0.27	B	0.11	0.020	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Chromium	17		0.57	0.28	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Cobalt	13		0.28	0.074	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Copper	23		0.57	0.16	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Iron	20000		11	5.9	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Lead	13		0.28	0.13	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Magnesium	23000		5.7	2.8	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Calcium	65000	B	57	9.6	mg/Kg	☼	09/04/19 08:51	09/06/19 17:14	5
Manganese	310		0.57	0.082	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Nickel	30		0.57	0.16	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Selenium	0.53	J	0.57	0.33	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Silver	2.8		0.28	0.073	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Thallium	1.0		0.57	0.28	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Vanadium	23		0.28	0.067	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Zinc	67		1.1	0.50	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Potassium	3100		28	10	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1
Sodium	730		57	8.4	mg/Kg	☼	09/04/19 08:51	09/06/19 00:29	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 20:11	1
Barium	0.35	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 20:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 20:11	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 20:11	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B04 (0-5)

Lab Sample ID: 500-169088-5

Date Collected: 08/27/19 11:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1100		25	2.5	mg/L		09/09/19 08:14	09/10/19 11:03	5
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:11	1
Cobalt	0.020	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:11	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:11	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:14	09/09/19 20:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/10/19 10:59	1
Magnesium	92		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 20:11	1
Manganese	3.1		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:11	1
Nickel	0.017	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:11	1
Potassium	0.79	J	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 20:11	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 20:11	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:11	1
Vanadium	<0.010	[^]	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:11	1
Zinc	0.58	B	0.50	0.020	mg/L		09/09/19 08:14	09/09/19 20:11	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.067		0.050	0.010	mg/L		09/09/19 08:12	09/09/19 23:03	1
Barium	1.0		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 23:03	1
Beryllium	0.010		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 23:03	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 23:03	1
Calcium	63		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 23:03	1
Chromium	0.21		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:03	1
Cobalt	0.051		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:03	1
Copper	0.19		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:03	1
Iron	210		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 23:03	1
Lead	0.13		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 23:03	1
Magnesium	62		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:03	1
Manganese	0.96		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:03	1
Nickel	0.20		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:03	1
Potassium	88		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:03	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 23:03	1
Silver	0.018	J	0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:03	1
Vanadium	0.30		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:03	1
Zinc	0.60		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 23:03	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 22:23	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 22:23	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/10/19 00:28	1
Thallium	0.0049		0.0020	0.0020	mg/L		09/09/19 08:12	09/10/19 00:28	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00029		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 12:56	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B04 (0-5)

Lab Sample ID: 500-169088-5

Date Collected: 08/27/19 11:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 87.0

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 12:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0060		0.018	0.0060	mg/Kg	☼	09/05/19 13:05	09/06/19 07:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.22		0.44	0.22	mg/Kg	☼	09/06/19 13:35	09/06/19 16:25	1
pH	8.6		0.2	0.2	SU			09/03/19 19:40	1



Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5)

Lab Sample ID: 500-169088-6

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.045		0.019	0.0084	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Benzene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Bromodichloromethane	<0.00039		0.0019	0.00039	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Bromoform	<0.00057		0.0019	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Bromomethane	<0.0018		0.0048	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
2-Butanone (MEK)	0.0098		0.0048	0.0022	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Carbon disulfide	<0.0010		0.0048	0.0010	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Carbon tetrachloride	<0.00056		0.0019	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Chlorobenzene	<0.00072		0.0019	0.00072	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Chloroethane	<0.0014		0.0048	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Chloroform	<0.00067		0.0019	0.00067	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Chloromethane	<0.0019		0.0048	0.0019	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
cis-1,2-Dichloroethene	<0.00054		0.0019	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
cis-1,3-Dichloropropene	<0.00058		0.0019	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Dibromochloromethane	<0.00063		0.0019	0.00063	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
1,1-Dichloroethane	<0.00066		0.0019	0.00066	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
1,2-Dichloroethane	<0.0015		0.0048	0.0015	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
1,1-Dichloroethene	<0.00067		0.0019	0.00067	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
1,2-Dichloropropene	<0.00050		0.0019	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
1,3-Dichloropropene, Total	<0.00068		0.0019	0.00068	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Ethylbenzene	<0.00093		0.0019	0.00093	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
2-Hexanone	<0.0015		0.0048	0.0015	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Methylene Chloride	<0.0019		0.0048	0.0019	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0048	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Methyl tert-butyl ether	<0.00057		0.0019	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Styrene	<0.00059		0.0019	0.00059	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
1,1,2,2-Tetrachloroethane	<0.00062		0.0019	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Tetrachloroethene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Toluene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
trans-1,2-Dichloroethene	<0.00086		0.0019	0.00086	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
trans-1,3-Dichloropropene	<0.00068		0.0019	0.00068	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
1,1,1-Trichloroethane	<0.00065		0.0019	0.00065	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
1,1,2-Trichloroethane	<0.00083		0.0019	0.00083	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Trichloroethene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Vinyl acetate	<0.0017		0.0048	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Vinyl chloride	<0.00086		0.0019	0.00086	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1
Xylenes, Total	<0.00062		0.0039	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 15:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		75 - 131	08/27/19 17:07	09/05/19 15:15	1
Dibromofluoromethane	85		75 - 126	08/27/19 17:07	09/05/19 15:15	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	08/27/19 17:07	09/05/19 15:15	1
Toluene-d8 (Surr)	84		75 - 124	08/27/19 17:07	09/05/19 15:15	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0075		0.041	0.0075	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Acenaphthylene	<0.0055		0.041	0.0055	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Anthracene	<0.0069		0.041	0.0069	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Benzo[a]anthracene	<0.0056		0.041	0.0056	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5)

Lab Sample ID: 500-169088-6

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.013	J	0.041	0.0080	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Benzo[b]fluoranthene	0.012	J	0.041	0.0089	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Benzo[g,h,i]perylene	<0.013		0.041	0.013	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Benzo[k]fluoranthene	<0.012		0.041	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Bis(2-chloroethoxy)methane	<0.042		0.21	0.042	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Bis(2-chloroethyl)ether	<0.062		0.21	0.062	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Bis(2-ethylhexyl) phthalate	<0.076		0.21	0.076	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
4-Bromophenyl phenyl ether	<0.055		0.21	0.055	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Butyl benzyl phthalate	<0.079		0.21	0.079	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Carbazole	<0.10		0.21	0.10	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
4-Chloroaniline	<0.19		0.84	0.19	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
4-Chloro-3-methylphenol	<0.14		0.41	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2-Chloronaphthalene	<0.046		0.21	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2-Chlorophenol	<0.071		0.21	0.071	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
4-Chlorophenyl phenyl ether	<0.048		0.21	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Chrysene	<0.011		0.041	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Dibenz(a,h)anthracene	<0.0080		0.041	0.0080	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Dibenzofuran	<0.049		0.21	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
1,2-Dichlorobenzene	<0.050		0.21	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
1,3-Dichlorobenzene	<0.047		0.21	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
1,4-Dichlorobenzene	<0.053		0.21	0.053	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
3,3'-Dichlorobenzidine	<0.058		0.21	0.058	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2,4-Dichlorophenol	<0.098		0.41	0.098	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Diethyl phthalate	<0.070		0.21	0.070	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2,4-Dimethylphenol	<0.16		0.41	0.16	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Dimethyl phthalate	<0.054		0.21	0.054	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Di-n-butyl phthalate	<0.063		0.21	0.063	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
4,6-Dinitro-2-methylphenol	<0.33		0.84	0.33	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2,4-Dinitrophenol	<0.73		0.84	0.73	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2,4-Dinitrotoluene	<0.066		0.21	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2,6-Dinitrotoluene	<0.081		0.21	0.081	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Di-n-octyl phthalate	<0.068		0.21	0.068	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Fluoranthene	0.012	J	0.041	0.0077	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Fluorene	<0.0058		0.041	0.0058	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Hexachlorobenzene	<0.0096		0.084	0.0096	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Hexachlorobutadiene	<0.065		0.21	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Hexachlorocyclopentadiene	<0.24		0.84	0.24	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Hexachloroethane	<0.063		0.21	0.063	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Indeno[1,2,3-cd]pyrene	<0.011		0.041	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Isophorone	<0.047		0.21	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2-Methylnaphthalene	<0.0076	*	0.084	0.0076	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2-Methylphenol	<0.067		0.21	0.067	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
3 & 4 Methylphenol	<0.069		0.21	0.069	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Naphthalene	<0.0064		0.041	0.0064	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2-Nitroaniline	<0.056		0.21	0.056	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
3-Nitroaniline	<0.13		0.41	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
4-Nitroaniline	<0.17		0.41	0.17	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Nitrobenzene	<0.010		0.041	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2-Nitrophenol	<0.098		0.41	0.098	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5)

Lab Sample ID: 500-169088-6

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.39		0.84	0.39	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
N-Nitrosodi-n-propylamine	<0.051		0.084	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
N-Nitrosodiphenylamine	<0.049		0.21	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2,2'-oxybis[1-chloropropane]	<0.048		0.21	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Pentachlorophenol	<0.67		0.84	0.67	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Phenanthrene	<0.0058		0.041	0.0058	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Phenol	<0.092		0.21	0.092	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
Pyrene	0.014	J	0.041	0.0082	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
1,2,4-Trichlorobenzene	<0.045		0.21	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2,4,5-Trichlorophenol	<0.095		0.41	0.095	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1
2,4,6-Trichlorophenol	<0.14		0.41	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		43 - 145	09/06/19 08:24	09/09/19 15:30	1
2-Fluorophenol	97		31 - 166	09/06/19 08:24	09/09/19 15:30	1
Nitrobenzene-d5	65		37 - 147	09/06/19 08:24	09/09/19 15:30	1
Phenol-d5	85		30 - 153	09/06/19 08:24	09/09/19 15:30	1
Terphenyl-d14	140		42 - 157	09/06/19 08:24	09/09/19 15:30	1
2,4,6-Tribromophenol	94		31 - 143	09/06/19 08:24	09/09/19 15:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.2	0.23	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Arsenic	6.0		0.60	0.21	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Barium	110		0.60	0.068	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Beryllium	0.83		0.24	0.056	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Cadmium	0.31	B	0.12	0.022	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Chromium	20		0.60	0.30	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Cobalt	9.7		0.30	0.079	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Copper	20		0.60	0.17	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Iron	20000		12	6.2	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Lead	23		0.30	0.14	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Magnesium	4200		6.0	3.0	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Calcium	4200	B	12	2.0	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Manganese	190		0.60	0.087	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Nickel	26		0.60	0.17	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Selenium	0.46	J	0.60	0.35	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Silver	3.9		0.30	0.077	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Thallium	1.2		0.60	0.30	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Vanadium	33		0.30	0.071	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Zinc	85		1.2	0.53	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Potassium	2100		30	11	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1
Sodium	4000		60	8.9	mg/Kg	☼	09/04/19 08:51	09/06/19 00:33	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 19:38	1
Barium	0.46	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 19:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 19:38	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 19:38	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5)

Lab Sample ID: 500-169088-6

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	220		5.0	0.50	mg/L		09/09/19 08:14	09/09/19 19:38	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:38	1
Cobalt	0.018	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:38	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:38	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:14	09/09/19 19:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/09/19 19:38	1
Magnesium	73		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:38	1
Manganese	6.8		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:38	1
Nickel	0.012	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:38	1
Potassium	1.5	J	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:38	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 19:38	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:38	1
Vanadium	<0.010	^	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:38	1
Zinc	0.76	B	0.50	0.020	mg/L		09/09/19 08:14	09/09/19 19:38	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.051		0.050	0.010	mg/L		09/09/19 08:12	09/09/19 23:07	1
Barium	0.84		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 23:07	1
Beryllium	0.0073		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 23:07	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 23:07	1
Calcium	22		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 23:07	1
Chromium	0.17		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:07	1
Cobalt	0.058		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:07	1
Copper	0.14		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:07	1
Iron	180		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 23:07	1
Lead	0.12		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 23:07	1
Magnesium	29		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:07	1
Manganese	1.3		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:07	1
Nickel	0.16		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:07	1
Potassium	27		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:07	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 23:07	1
Silver	0.012	J	0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:07	1
Vanadium	0.27		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:07	1
Zinc	0.99		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 23:07	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 21:53	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 21:53	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/10/19 00:31	1
Thallium	0.0027		0.0020	0.0020	mg/L		09/09/19 08:12	09/10/19 00:31	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00035		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 13:02	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5)

Lab Sample ID: 500-169088-6

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.6

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 12:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.020	0.0066	mg/Kg	☼	09/05/19 13:05	09/06/19 07:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.26		0.53	0.26	mg/Kg	☼	09/06/19 13:35	09/06/19 16:25	1
pH	7.9		0.2	0.2	SU			09/03/19 19:43	1



Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5) Dup

Lab Sample ID: 500-169088-7

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 75.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.022		0.019	0.0083	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Benzene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Bromodichloromethane	<0.00039		0.0019	0.00039	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Bromoform	<0.00056		0.0019	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Bromomethane	<0.0018		0.0048	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
2-Butanone (MEK)	0.0047 J		0.0048	0.0021	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Carbon disulfide	<0.00099		0.0048	0.00099	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Carbon tetrachloride	<0.00055		0.0019	0.00055	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Chlorobenzene	<0.00070		0.0019	0.00070	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Chloroethane	<0.0014		0.0048	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Chloroform	<0.00066		0.0019	0.00066	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Chloromethane	<0.0019		0.0048	0.0019	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
cis-1,2-Dichloroethene	<0.00053		0.0019	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
cis-1,3-Dichloropropene	<0.00057		0.0019	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Dibromochloromethane	<0.00062		0.0019	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
1,1-Dichloroethane	<0.00065		0.0019	0.00065	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
1,2-Dichloroethane	<0.0015		0.0048	0.0015	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
1,1-Dichloroethene	<0.00065		0.0019	0.00065	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
1,2-Dichloropropene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
1,3-Dichloropropene, Total	<0.00067		0.0019	0.00067	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Ethylbenzene	<0.00091		0.0019	0.00091	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
2-Hexanone	<0.0015		0.0048	0.0015	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Methylene Chloride	<0.0019		0.0048	0.0019	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0048	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Methyl tert-butyl ether	<0.00056		0.0019	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Styrene	<0.00057		0.0019	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
1,1,2,2-Tetrachloroethane	<0.00061		0.0019	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Tetrachloroethene	<0.00065		0.0019	0.00065	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Toluene	<0.00048		0.0019	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
trans-1,2-Dichloroethene	<0.00084		0.0019	0.00084	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
trans-1,3-Dichloropropene	<0.00067		0.0019	0.00067	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
1,1,1-Trichloroethane	<0.00064		0.0019	0.00064	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
1,1,2-Trichloroethane	<0.00082		0.0019	0.00082	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Trichloroethene	<0.00064		0.0019	0.00064	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Vinyl acetate	<0.0017		0.0048	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Vinyl chloride	<0.00084		0.0019	0.00084	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1
Xylenes, Total	<0.00061		0.0038	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	08/27/19 17:07	09/05/19 15:41	1
Dibromofluoromethane	87		75 - 126	08/27/19 17:07	09/05/19 15:41	1
1,2-Dichloroethane-d4 (Surr)	95		70 - 134	08/27/19 17:07	09/05/19 15:41	1
Toluene-d8 (Surr)	83		75 - 124	08/27/19 17:07	09/05/19 15:41	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0078		0.043	0.0078	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Acenaphthylene	<0.0057		0.043	0.0057	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Anthracene	<0.0072		0.043	0.0072	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Benzo[a]anthracene	<0.0058		0.043	0.0058	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5) Dup

Lab Sample ID: 500-169088-7

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 75.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0084		0.043	0.0084	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Benzo[b]fluoranthene	<0.0093		0.043	0.0093	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Benzo[g,h,i]perylene	<0.014		0.043	0.014	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Benzo[k]fluoranthene	<0.013		0.043	0.013	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Bis(2-chloroethoxy)methane	<0.044		0.22	0.044	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Bis(2-chloroethyl)ether	<0.065		0.22	0.065	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Bis(2-ethylhexyl) phthalate	<0.079		0.22	0.079	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
4-Bromophenyl phenyl ether	<0.057		0.22	0.057	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Butyl benzyl phthalate	<0.082		0.22	0.082	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Carbazole	<0.11		0.22	0.11	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
4-Chloroaniline	<0.20		0.87	0.20	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
4-Chloro-3-methylphenol	<0.15		0.43	0.15	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2-Chloronaphthalene	<0.048		0.22	0.048	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2-Chlorophenol	<0.074		0.22	0.074	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
4-Chlorophenyl phenyl ether	<0.050		0.22	0.050	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Chrysene	<0.012		0.043	0.012	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Dibenz(a,h)anthracene	<0.0084		0.043	0.0084	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Dibenzofuran	<0.051		0.22	0.051	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
1,2-Dichlorobenzene	<0.052		0.22	0.052	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
1,3-Dichlorobenzene	<0.049		0.22	0.049	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
1,4-Dichlorobenzene	<0.055		0.22	0.055	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
3,3'-Dichlorobenzidine	<0.060		0.22	0.060	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2,4-Dichlorophenol	<0.10		0.43	0.10	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Diethyl phthalate	<0.073		0.22	0.073	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2,4-Dimethylphenol	<0.16		0.43	0.16	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Dimethyl phthalate	<0.056		0.22	0.056	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Di-n-butyl phthalate	<0.066		0.22	0.066	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
4,6-Dinitro-2-methylphenol	<0.35		0.87	0.35	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2,4-Dinitrophenol	<0.76		0.87	0.76	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2,4-Dinitrotoluene	<0.069		0.22	0.069	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2,6-Dinitrotoluene	<0.085		0.22	0.085	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Di-n-octyl phthalate	<0.070		0.22	0.070	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Fluoranthene	<0.0080		0.043	0.0080	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Fluorene	<0.0061		0.043	0.0061	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Hexachlorobenzene	<0.010		0.087	0.010	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Hexachlorobutadiene	<0.068		0.22	0.068	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Hexachlorocyclopentadiene	<0.25		0.87	0.25	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Hexachloroethane	<0.066		0.22	0.066	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Indeno[1,2,3-cd]pyrene	<0.011		0.043	0.011	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Isophorone	<0.049		0.22	0.049	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2-Methylnaphthalene	<0.0079 *		0.087	0.0079	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2-Methylphenol	<0.069		0.22	0.069	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
3 & 4 Methylphenol	<0.072		0.22	0.072	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Naphthalene	<0.0066		0.043	0.0066	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2-Nitroaniline	<0.058		0.22	0.058	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
3-Nitroaniline	<0.13		0.43	0.13	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
4-Nitroaniline	<0.18		0.43	0.18	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Nitrobenzene	<0.011		0.043	0.011	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2-Nitrophenol	<0.10		0.43	0.10	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5) Dup

Lab Sample ID: 500-169088-7

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 75.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.41		0.87	0.41	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
N-Nitrosodi-n-propylamine	<0.053		0.087	0.053	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
N-Nitrosodiphenylamine	<0.051		0.22	0.051	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2,2'-oxybis[1-chloropropane]	<0.050		0.22	0.050	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Pentachlorophenol	<0.69		0.87	0.69	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Phenanthrene	<0.0060		0.043	0.0060	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Phenol	<0.096		0.22	0.096	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
Pyrene	<0.0086		0.043	0.0086	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
1,2,4-Trichlorobenzene	<0.047		0.22	0.047	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2,4,5-Trichlorophenol	<0.099		0.43	0.099	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1
2,4,6-Trichlorophenol	<0.15		0.43	0.15	mg/Kg	☼	09/06/19 08:24	09/07/19 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		43 - 145	09/06/19 08:24	09/07/19 00:28	1
2-Fluorophenol	97		31 - 166	09/06/19 08:24	09/07/19 00:28	1
Nitrobenzene-d5	71		37 - 147	09/06/19 08:24	09/07/19 00:28	1
Phenol-d5	91		30 - 153	09/06/19 08:24	09/07/19 00:28	1
Terphenyl-d14	123		42 - 157	09/06/19 08:24	09/07/19 00:28	1
2,4,6-Tribromophenol	77		31 - 143	09/06/19 08:24	09/07/19 00:28	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.24		1.2	0.24	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Arsenic	5.9		0.62	0.21	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Barium	110		0.62	0.071	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Beryllium	0.84		0.25	0.058	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Cadmium	0.37	B	0.12	0.022	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Chromium	20		0.62	0.31	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Cobalt	10		0.31	0.082	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Copper	20		0.62	0.17	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Iron	20000		12	6.5	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Lead	21		0.31	0.14	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Magnesium	4700		6.2	3.1	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Calcium	5200	B	12	2.1	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Manganese	230		0.62	0.090	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Nickel	27		0.62	0.18	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Selenium	0.62		0.62	0.37	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Silver	4.1		0.31	0.080	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Thallium	1.3		0.62	0.31	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Vanadium	31		0.31	0.073	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Zinc	84		1.2	0.55	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Potassium	2000		31	11	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1
Sodium	4000		62	9.2	mg/Kg	☼	09/04/19 08:51	09/06/19 00:37	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 19:42	1
Barium	0.46	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 19:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 19:42	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 19:42	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5) Dup

Lab Sample ID: 500-169088-7

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 75.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	230		5.0	0.50	mg/L		09/09/19 08:14	09/09/19 19:42	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:42	1
Cobalt	0.018	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:42	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:42	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:14	09/09/19 19:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/09/19 19:42	1
Magnesium	76		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:42	1
Manganese	5.5		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:42	1
Nickel	0.010	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:42	1
Potassium	1.3	J	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:42	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 19:42	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:42	1
Vanadium	<0.010	^	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:42	1
Zinc	0.041	J B	0.50	0.020	mg/L		09/09/19 08:14	09/09/19 19:42	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.048	J	0.050	0.010	mg/L		09/09/19 08:12	09/09/19 23:12	1
Barium	0.81		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 23:12	1
Beryllium	0.0068		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 23:12	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 23:12	1
Calcium	21		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 23:12	1
Chromium	0.17		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:12	1
Cobalt	0.052		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:12	1
Copper	0.14		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:12	1
Iron	170		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 23:12	1
Lead	0.12		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 23:12	1
Magnesium	28		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:12	1
Manganese	1.3		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:12	1
Nickel	0.15		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:12	1
Potassium	23		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:12	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 23:12	1
Silver	0.012	J	0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:12	1
Vanadium	0.27		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:12	1
Zinc	0.54		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 23:12	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 22:07	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 22:07	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/10/19 00:34	1
Thallium	0.0026		0.0020	0.0020	mg/L		09/09/19 08:12	09/10/19 00:34	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00031		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 13:07	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (0-5) Dup

Lab Sample ID: 500-169088-7

Date Collected: 08/27/19 11:00

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 75.5

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 12:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.020	0.0068	mg/Kg	☼	09/05/19 13:05	09/06/19 07:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.25		0.50	0.25	mg/Kg	☼	09/06/19 13:35	09/06/19 16:26	1
pH	8.0		0.2	0.2	SU			09/03/19 19:45	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (5-10.5)

Lab Sample ID: 500-169088-8

Date Collected: 08/27/19 11:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.021		0.017	0.0076	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Benzene	<0.00045		0.0017	0.00045	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Bromodichloromethane	<0.00036		0.0017	0.00036	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Bromoform	<0.00051		0.0017	0.00051	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Bromomethane	<0.0017		0.0044	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
2-Butanone (MEK)	0.0036 J		0.0044	0.0019	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Carbon disulfide	<0.00091		0.0044	0.00091	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Carbon tetrachloride	<0.00051		0.0017	0.00051	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Chlorobenzene	<0.00064		0.0017	0.00064	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Chloroethane	<0.0013		0.0044	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Chloroform	<0.00061		0.0017	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Chloromethane	<0.0018		0.0044	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
cis-1,2-Dichloroethene	<0.00049		0.0017	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
cis-1,3-Dichloropropene	<0.00053		0.0017	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Dibromochloromethane	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
1,1-Dichloroethane	<0.00060		0.0017	0.00060	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
1,2-Dichloroethane	<0.0014		0.0044	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
1,1-Dichloroethene	<0.00060		0.0017	0.00060	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
1,2-Dichloropropane	<0.00045		0.0017	0.00045	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
1,3-Dichloropropane, Total	<0.00061		0.0017	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Ethylbenzene	<0.00084		0.0017	0.00084	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
2-Hexanone	<0.0014		0.0044	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Methylene Chloride	<0.0017		0.0044	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
4-Methyl-2-pentanone (MIBK)	<0.0013		0.0044	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Methyl tert-butyl ether	<0.00051		0.0017	0.00051	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Styrene	<0.00053		0.0017	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
1,1,2,2-Tetrachloroethane	<0.00056		0.0017	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Tetrachloroethene	<0.00059		0.0017	0.00059	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Toluene	<0.00044		0.0017	0.00044	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
trans-1,2-Dichloroethene	<0.00077		0.0017	0.00077	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
trans-1,3-Dichloropropene	<0.00061		0.0017	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
1,1,1-Trichloroethane	<0.00059		0.0017	0.00059	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
1,1,2-Trichloroethane	<0.00075		0.0017	0.00075	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Trichloroethene	<0.00059		0.0017	0.00059	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Vinyl acetate	<0.0015		0.0044	0.0015	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Vinyl chloride	<0.00077		0.0017	0.00077	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1
Xylenes, Total	<0.00056		0.0035	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		75 - 131	08/27/19 17:07	09/05/19 16:23	1
Dibromofluoromethane	87		75 - 126	08/27/19 17:07	09/05/19 16:23	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	08/27/19 17:07	09/05/19 16:23	1
Toluene-d8 (Surr)	84		75 - 124	08/27/19 17:07	09/05/19 16:23	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0072		0.040	0.0072	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Acenaphthylene	<0.0053		0.040	0.0053	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Anthracene	<0.0067		0.040	0.0067	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Benzo[a]anthracene	<0.0054		0.040	0.0054	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (5-10.5)

Lab Sample ID: 500-169088-8

Date Collected: 08/27/19 11:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0078		0.040	0.0078	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Benzo[b]fluoranthene	<0.0087		0.040	0.0087	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Benzo[g,h,i]perylene	<0.013		0.040	0.013	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Benzo[k]fluoranthene	<0.012		0.040	0.012	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Bis(2-chloroethoxy)methane	<0.041		0.20	0.041	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Bis(2-chloroethyl)ether	<0.060		0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Bis(2-ethylhexyl) phthalate	<0.074		0.20	0.074	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
4-Bromophenyl phenyl ether	<0.053		0.20	0.053	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Butyl benzyl phthalate	<0.077		0.20	0.077	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Carbazole	<0.10		0.20	0.10	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
4-Chloroaniline	<0.19		0.81	0.19	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
4-Chloro-3-methylphenol	<0.14		0.40	0.14	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2-Chloronaphthalene	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2-Chlorophenol	<0.069		0.20	0.069	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
4-Chlorophenyl phenyl ether	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Chrysene	<0.011		0.040	0.011	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Dibenz(a,h)anthracene	<0.0078		0.040	0.0078	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Dibenzofuran	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
1,2-Dichlorobenzene	<0.048		0.20	0.048	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
1,3-Dichlorobenzene	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
1,4-Dichlorobenzene	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
3,3'-Dichlorobenzidine	<0.056		0.20	0.056	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2,4-Dichlorophenol	<0.096		0.40	0.096	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Diethyl phthalate	<0.068		0.20	0.068	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2,4-Dimethylphenol	<0.15		0.40	0.15	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Dimethyl phthalate	<0.053		0.20	0.053	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Di-n-butyl phthalate	<0.061		0.20	0.061	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
4,6-Dinitro-2-methylphenol	<0.32		0.81	0.32	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2,4-Dinitrophenol	<0.71		0.81	0.71	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2,4-Dinitrotoluene	<0.064		0.20	0.064	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2,6-Dinitrotoluene	<0.079		0.20	0.079	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Di-n-octyl phthalate	<0.066		0.20	0.066	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Fluoranthene	<0.0075		0.040	0.0075	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Fluorene	<0.0057		0.040	0.0057	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Hexachlorobenzene	<0.0094		0.081	0.0094	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Hexachlorobutadiene	<0.063		0.20	0.063	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Hexachlorocyclopentadiene	<0.23		0.81	0.23	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Hexachloroethane	<0.061		0.20	0.061	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Indeno[1,2,3-cd]pyrene	<0.010		0.040	0.010	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Isophorone	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2-Methylnaphthalene	<0.0074 *		0.081	0.0074	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2-Methylphenol	<0.065		0.20	0.065	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
3 & 4 Methylphenol	<0.067		0.20	0.067	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Naphthalene	<0.0062		0.040	0.0062	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2-Nitroaniline	<0.054		0.20	0.054	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
3-Nitroaniline	<0.13		0.40	0.13	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
4-Nitroaniline	<0.17		0.40	0.17	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Nitrobenzene	<0.010		0.040	0.010	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2-Nitrophenol	<0.095		0.40	0.095	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (5-10.5)

Lab Sample ID: 500-169088-8

Date Collected: 08/27/19 11:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.38		0.81	0.38	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
N-Nitrosodi-n-propylamine	<0.049		0.081	0.049	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
N-Nitrosodiphenylamine	<0.048		0.20	0.048	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2,2'-oxybis[1-chloropropane]	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Pentachlorophenol	<0.65		0.81	0.65	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Phenanthrene	<0.0056		0.040	0.0056	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Phenol	<0.090		0.20	0.090	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
Pyrene	<0.0080		0.040	0.0080	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
1,2,4-Trichlorobenzene	<0.043		0.20	0.043	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2,4,5-Trichlorophenol	<0.092		0.40	0.092	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1
2,4,6-Trichlorophenol	<0.14		0.40	0.14	mg/Kg	☼	09/06/19 08:24	09/07/19 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		43 - 145	09/06/19 08:24	09/07/19 00:55	1
2-Fluorophenol	85		31 - 166	09/06/19 08:24	09/07/19 00:55	1
Nitrobenzene-d5	61		37 - 147	09/06/19 08:24	09/07/19 00:55	1
Phenol-d5	76		30 - 153	09/06/19 08:24	09/07/19 00:55	1
Terphenyl-d14	112		42 - 157	09/06/19 08:24	09/07/19 00:55	1
2,4,6-Tribromophenol	56		31 - 143	09/06/19 08:24	09/07/19 00:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.23		1.2	0.23	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Arsenic	8.3		0.60	0.20	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Barium	76		0.60	0.068	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Beryllium	0.81		0.24	0.056	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Cadmium	0.27	B	0.12	0.021	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Chromium	20		0.60	0.30	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Cobalt	13		0.30	0.078	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Copper	23		0.60	0.17	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Iron	24000		12	6.2	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Lead	15		0.30	0.14	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Magnesium	8200		6.0	3.0	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Calcium	9100	B	12	2.0	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Manganese	470		0.60	0.087	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Nickel	37		0.60	0.17	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Selenium	0.38	J	0.60	0.35	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Silver	3.8		0.30	0.077	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Thallium	1.5		0.60	0.30	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Vanadium	29		0.30	0.070	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Zinc	83		1.2	0.52	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Potassium	2400		30	11	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1
Sodium	1200		60	8.8	mg/Kg	☼	09/04/19 08:51	09/06/19 00:41	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 19:46	1
Barium	0.31	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 19:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 19:46	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 19:46	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (5-10.5)

Lab Sample ID: 500-169088-8

Date Collected: 08/27/19 11:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	200		5.0	0.50	mg/L		09/09/19 08:14	09/09/19 19:46	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:46	1
Cobalt	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:46	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:46	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:14	09/09/19 19:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/09/19 19:46	1
Magnesium	99		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:46	1
Manganese	1.3		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:46	1
Nickel	0.014	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:46	1
Potassium	1.0	J	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:46	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 19:46	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:46	1
Vanadium	<0.010	^	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:46	1
Zinc	0.37	J B	0.50	0.020	mg/L		09/09/19 08:14	09/09/19 19:46	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.071		0.050	0.010	mg/L		09/09/19 08:12	09/09/19 23:16	1
Barium	1.2		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 23:16	1
Beryllium	0.012		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 23:16	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 23:16	1
Calcium	31		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 23:16	1
Chromium	0.27		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:16	1
Cobalt	0.065		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:16	1
Copper	0.20		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:16	1
Iron	300		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 23:16	1
Lead	0.11		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 23:16	1
Magnesium	58		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:16	1
Manganese	1.3		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:16	1
Nickel	0.27		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:16	1
Potassium	55		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:16	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 23:16	1
Silver	0.020	J	0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:16	1
Vanadium	0.40		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:16	1
Zinc	1.4		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 23:16	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 22:10	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 22:10	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/10/19 00:44	1
Thallium	0.0045		0.0020	0.0020	mg/L		09/09/19 08:12	09/10/19 00:44	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00075		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 13:09	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B05 (5-10.5)

Lab Sample ID: 500-169088-8

Date Collected: 08/27/19 11:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.2

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 12:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.021	0.0069	mg/Kg	☼	09/05/19 13:05	09/06/19 07:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.31		0.62	0.31	mg/Kg	☼	09/06/19 13:35	09/06/19 16:26	1
pH	7.8		0.2	0.2	SU			09/03/19 19:47	1



Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B06 (0-5)

Lab Sample ID: 500-169088-9

Date Collected: 08/27/19 10:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.023		0.018	0.0079	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Benzene	<0.00047		0.0018	0.00047	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Bromodichloromethane	<0.00037		0.0018	0.00037	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Bromoform	<0.00053		0.0018	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Bromomethane	<0.0017		0.0046	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
2-Butanone (MEK)	0.0035 J		0.0046	0.0020	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Carbon disulfide	<0.00095		0.0046	0.00095	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Carbon tetrachloride	<0.00053		0.0018	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Chlorobenzene	<0.00067		0.0018	0.00067	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Chloroethane	<0.0014		0.0046	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Chloroform	<0.00063		0.0018	0.00063	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Chloromethane	<0.0018		0.0046	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
cis-1,2-Dichloroethene	<0.00051		0.0018	0.00051	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
cis-1,3-Dichloropropene	<0.00055		0.0018	0.00055	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Dibromochloromethane	<0.00060		0.0018	0.00060	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
1,1-Dichloroethane	<0.00063		0.0018	0.00063	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
1,2-Dichloroethane	<0.0014		0.0046	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
1,1-Dichloroethene	<0.00063		0.0018	0.00063	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
1,2-Dichloropropane	<0.00047		0.0018	0.00047	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
1,3-Dichloropropane, Total	<0.00064		0.0018	0.00064	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Ethylbenzene	<0.00087		0.0018	0.00087	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
2-Hexanone	<0.0014		0.0046	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Methylene Chloride	<0.0018		0.0046	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0046	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Methyl tert-butyl ether	<0.00054		0.0018	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Styrene	<0.00055		0.0018	0.00055	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
1,1,2,2-Tetrachloroethane	<0.00058		0.0018	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Tetrachloroethene	<0.00062		0.0018	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Toluene	<0.00046		0.0018	0.00046	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
trans-1,2-Dichloroethene	<0.00081		0.0018	0.00081	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
trans-1,3-Dichloropropene	<0.00064		0.0018	0.00064	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
1,1,1-Trichloroethane	<0.00061		0.0018	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
1,1,2-Trichloroethane	<0.00078		0.0018	0.00078	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Trichloroethene	<0.00062		0.0018	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Vinyl acetate	<0.0016		0.0046	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Vinyl chloride	<0.00081		0.0018	0.00081	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1
Xylenes, Total	<0.00058		0.0037	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	08/27/19 17:07	09/05/19 16:48	1
Dibromofluoromethane	84		75 - 126	08/27/19 17:07	09/05/19 16:48	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	08/27/19 17:07	09/05/19 16:48	1
Toluene-d8 (Surr)	85		75 - 124	08/27/19 17:07	09/05/19 16:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0071		0.039	0.0071	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Acenaphthylene	<0.0052		0.039	0.0052	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Anthracene	<0.0066		0.039	0.0066	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Benzo[a]anthracene	<0.0053		0.039	0.0053	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B06 (0-5)

Lab Sample ID: 500-169088-9

Date Collected: 08/27/19 10:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0077		0.039	0.0077	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Benzo[b]fluoranthene	<0.0085		0.039	0.0085	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Benzo[g,h,i]perylene	<0.013		0.039	0.013	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Benzo[k]fluoranthene	<0.012		0.039	0.012	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Bis(2-chloroethoxy)methane	<0.040		0.20	0.040	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Bis(2-chloroethyl)ether	<0.059		0.20	0.059	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Bis(2-ethylhexyl) phthalate	<0.072		0.20	0.072	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Butyl benzyl phthalate	<0.075		0.20	0.075	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Carbazole	<0.099		0.20	0.099	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
4-Chloroaniline	<0.19		0.80	0.19	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
4-Chloro-3-methylphenol	<0.13		0.39	0.13	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2-Chloronaphthalene	<0.044		0.20	0.044	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2-Chlorophenol	<0.068		0.20	0.068	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Chrysene	<0.011		0.039	0.011	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Dibenz(a,h)anthracene	<0.0076		0.039	0.0076	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Dibenzofuran	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
1,2-Dichlorobenzene	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
1,3-Dichlorobenzene	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
1,4-Dichlorobenzene	<0.051		0.20	0.051	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
3,3'-Dichlorobenzidine	<0.055		0.20	0.055	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2,4-Dichlorophenol	<0.094		0.39	0.094	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Diethyl phthalate	<0.067		0.20	0.067	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2,4-Dimethylphenol	<0.15		0.39	0.15	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Dimethyl phthalate	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Di-n-butyl phthalate	<0.060		0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
4,6-Dinitro-2-methylphenol	<0.32		0.80	0.32	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2,4-Dinitrophenol	<0.70		0.80	0.70	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2,4-Dinitrotoluene	<0.063		0.20	0.063	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2,6-Dinitrotoluene	<0.078		0.20	0.078	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Di-n-octyl phthalate	<0.065		0.20	0.065	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Fluoranthene	<0.0073		0.039	0.0073	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Fluorene	<0.0056		0.039	0.0056	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Hexachlorobenzene	<0.0092		0.080	0.0092	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Hexachlorobutadiene	<0.062		0.20	0.062	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Hexachlorocyclopentadiene	<0.23		0.80	0.23	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Hexachloroethane	<0.060		0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Indeno[1,2,3-cd]pyrene	<0.010		0.039	0.010	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Isophorone	<0.044		0.20	0.044	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2-Methylnaphthalene	<0.0073 *		0.080	0.0073	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2-Methylphenol	<0.063		0.20	0.063	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
3 & 4 Methylphenol	<0.066		0.20	0.066	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Naphthalene	<0.0061		0.039	0.0061	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2-Nitroaniline	<0.053		0.20	0.053	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
3-Nitroaniline	<0.12		0.39	0.12	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
4-Nitroaniline	<0.17		0.39	0.17	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Nitrobenzene	<0.0099		0.039	0.0099	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2-Nitrophenol	<0.094		0.39	0.094	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B06 (0-5)

Lab Sample ID: 500-169088-9

Date Collected: 08/27/19 10:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.38		0.80	0.38	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
N-Nitrosodi-n-propylamine	<0.048		0.080	0.048	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
N-Nitrosodiphenylamine	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2,2'-oxybis[1-chloropropane]	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Pentachlorophenol	<0.63		0.80	0.63	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Phenanthrene	<0.0055		0.039	0.0055	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Phenol	<0.088		0.20	0.088	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
Pyrene	<0.0079		0.039	0.0079	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
1,2,4-Trichlorobenzene	<0.043		0.20	0.043	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2,4,5-Trichlorophenol	<0.090		0.39	0.090	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1
2,4,6-Trichlorophenol	<0.14		0.39	0.14	mg/Kg	☼	09/06/19 08:24	09/07/19 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		43 - 145	09/06/19 08:24	09/07/19 01:23	1
2-Fluorophenol	96		31 - 166	09/06/19 08:24	09/07/19 01:23	1
Nitrobenzene-d5	69		37 - 147	09/06/19 08:24	09/07/19 01:23	1
Phenol-d5	85		30 - 153	09/06/19 08:24	09/07/19 01:23	1
Terphenyl-d14	125		42 - 157	09/06/19 08:24	09/07/19 01:23	1
2,4,6-Tribromophenol	73		31 - 143	09/06/19 08:24	09/07/19 01:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.2	0.24	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Arsenic	7.9		0.61	0.21	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Barium	92		0.61	0.069	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Beryllium	0.85		0.24	0.057	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Cadmium	0.25	B	0.12	0.022	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Chromium	21		0.61	0.30	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Cobalt	12		0.30	0.079	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Copper	23		0.61	0.17	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Iron	22000		12	6.3	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Lead	20		0.30	0.14	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Magnesium	5600		6.1	3.0	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Calcium	5600	B	12	2.1	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Manganese	310		0.61	0.088	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Nickel	30		0.61	0.18	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Selenium	0.36	J	0.61	0.36	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Silver	4.0		0.30	0.078	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Thallium	1.3		0.61	0.30	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Vanadium	32		0.30	0.071	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Zinc	79		1.2	0.53	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Potassium	2600		30	11	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1
Sodium	1500		61	9.0	mg/Kg	☼	09/04/19 08:51	09/06/19 00:53	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 19:50	1
Barium	0.40	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 19:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 19:50	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 19:50	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B06 (0-5)

Lab Sample ID: 500-169088-9

Date Collected: 08/27/19 10:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100		5.0	0.50	mg/L		09/09/19 08:14	09/09/19 19:50	1
Chromium	0.011	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:50	1
Cobalt	0.016	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:50	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:50	1
Iron	0.36	J	0.40	0.20	mg/L		09/09/19 08:14	09/09/19 19:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/09/19 19:50	1
Magnesium	40		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:50	1
Manganese	4.6		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:50	1
Nickel	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:50	1
Potassium	1.9	J	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 19:50	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 19:50	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:50	1
Vanadium	<0.010	^	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 19:50	1
Zinc	0.091	J B	0.50	0.020	mg/L		09/09/19 08:14	09/09/19 19:50	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.052		0.050	0.010	mg/L		09/09/19 08:12	09/09/19 23:20	1
Barium	0.56		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 23:20	1
Beryllium	0.0057		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 23:20	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 23:20	1
Calcium	13		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 23:20	1
Chromium	0.14		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:20	1
Cobalt	0.052		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:20	1
Copper	0.15		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:20	1
Iron	140		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 23:20	1
Lead	0.11		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 23:20	1
Magnesium	23	F1	2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:20	1
Manganese	0.84		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:20	1
Nickel	0.15		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:20	1
Potassium	24	F1	2.5	0.50	mg/L		09/09/19 08:12	09/09/19 23:20	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 23:20	1
Silver	0.011	J	0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:20	1
Vanadium	0.22		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 23:20	1
Zinc	0.41	J	0.50	0.020	mg/L		09/09/19 08:12	09/09/19 23:20	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 22:13	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 22:13	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	F1	0.0060	0.0060	mg/L		09/09/19 08:12	09/10/19 00:47	1
Thallium	0.0032		0.0020	0.0020	mg/L		09/09/19 08:12	09/10/19 00:47	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00029		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 13:11	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Client Sample ID: 3132V-2-B06 (0-5)

Lab Sample ID: 500-169088-9

Date Collected: 08/27/19 10:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 80.0

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 12:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.020	0.0066	mg/Kg	☼	09/05/19 13:05	09/06/19 07:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.27		0.54	0.27	mg/Kg	☼	09/06/19 13:35	09/06/19 16:27	1
pH	7.6		0.2	0.2	SU			09/03/19 19:49	1

Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169088-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: Mike Fischer
Company: EDI
Address: 33 W. Monroe
Address: Chicago 60603
Phone: 847-312-7670
Fax:
E-Mail: mfischer@envdotest.com

Bill To (optional)
Contact:
Company:
Address:
Address: 500-169088 COC
Phone:
Fax:
PO#/Reference#



Chain of Custody Record

Lab Job #: 500-169088
Chain of Custody Number:
Page 1 of 1
Temperature °C of Cooler: 13.1/17.3

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key		
ED1		2021.001.01										
Project Name		Lab Project #		Sampling		# of Containers	Matrix			Comments		
100T PTD 174-009-W062				Date	Time							
Project Location/State		Lab PM										
Manhattan, IL		B. Kinsella										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TAL (Inorganic)	TCLP/SPLP (Inorganic)	Total Cyanide	pH
1		3132V-2-B01(0-5)	8-27-19	1220	5	S	X	X	X	X	X	X
2		-B02(0-5)		1205								
3		-B03(0-5)		1150								
4		-B03(5-10.5)		1155								
5		-B04(0-5)		1140								
6		-B05(0-5)		1100								
7		-B05(0-5)DP		1100								
8		-B05(5-10.5)		1110								
9		-B06(0-5)		1050								

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>MJA</u>	Company: <u>EDI</u>	Date: <u>8/27/19</u>	Time: <u>1605</u>	Received By: <u>Shirley Scott</u>	Company: <u>TRC</u>	Date: <u>8/27/19</u>	Time: <u>1605</u>
Relinquished By:	Company:	Date:	Time:	Received By:	Company:	Date:	Time:
Relinquished By:	Company:	Date:	Time:	Received By:	Company:	Date:	Time:

Lab Courier:
Shipped:
Hand Delivered:

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-169088-1

Login Number: 169088

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	True	
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	1.3, 17.3
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 531 - Manhattan-Monee Road Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

13400 block of W. Manhattan-Monee Road (ISGS Site No. 3132V-3)

City: Manhattan State: IL Zip Code: 60442

County: Will Township: Manhattan

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.42471 Longitude: - 87.94161

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 469

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS OF 3132V-3-B02 THROUGH 3132V-3-B04 AND 3132V-3-B06 THROUGH 3132V-3-B10 WERE SAMPLED AT SITE 3132V-3. SEE FIGURES 3-1 AND 3-2 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TEST AMERICA REPORTS - JOB IDs: 500-169087-1 AND 500-169088-1
ALSO, SEE FIGURES 4-1, 4-2, AND 4-6 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael Fischer (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

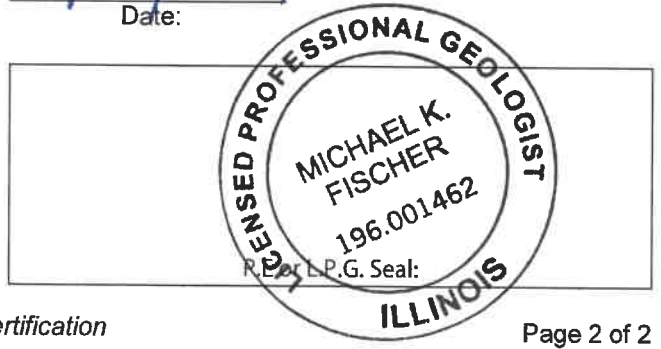
Company Name: Environmental Design International inc.
Street Address: 33 West Monroe Street, Suite 1825
City: Chicago State: IL Zip Code: 60603
Phone: 312-345-1400

Michael Fischer
Printed Name: _____

M. Fischer

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/06/2019
Date:



Summary Table of ISGS Site No. 3132V-3
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
IDOT Contract No: PTB 174-009; Work Order 062A
FAP 531 - Manhattan-Monee Road
Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-3-B02	3132V-3-B03	3132V-3-B03	3132V-3-B04	3132V-3-B06	3132V-3-B07	3132V-3-B08	3132V-3-B09	3132V-3-B10				
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Chicago	MSAs			pH 6.25-9.0	0-5	0-5	5-10.5	0-5	0-5	0-5	0-5	0-5	0-5	0-5		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I							Sample Depth (feet)	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5	0-5
													Lab Sample ID	ISGS Site No.	500-169087-2	500-169087-3	500-169087-4	500-169087-5	500-169087-9	500-169147-1	500-169147-2	500-169147-3	500-169147-4	
Date Collected	8/27/2019	8/27/2019	8/27/2019	8/27/2019	8/27/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019							
Volatile Organic Analytical Parameters																								
2-Butanone (MEK)	mg/kg	47,000	25000	120,000	730	17	---	---	---	17	0.014	0.0058	ND	ND	ND	ND	ND	ND	ND					
Acetone	mg/kg	70,000	100000	---	100000	25	*	---	---	25	0.047	0.025	0.015	0.018	0.013	ND	ND	ND	ND					
Semivolatile Organic Analytical Parameters																								
Acenaphthylene	mg/kg	2,300	---	61,000	---	85	---	0.03	0.07	85	ND	0.015	0.021	ND	ND	ND	ND	ND	ND					
Anthracene	mg/kg	23,000	---	610,000	---	12,000	*	0.25	0.4	12,000	ND	0.021	0.022	ND	ND	ND	ND	ND	ND					
Benzo[a]anthracene	mg/kg	0.9	---	170	---	2	*	1.1	1.8	0.9	ND	0.073	0.11	ND	ND	ND	ND	ND	ND					
Benzo[a]pyrene	mg/kg	0.09	---	17	---	8	*	1.3	2.1	0.09	ND	0.066	0.11	ND	ND	ND	ND	ND	ND					
Benzo[b]fluoranthene	mg/kg	0.9	---	170	---	5	*	1.5	2.1	0.9	ND	0.091	0.15	ND	ND	ND	ND	ND	ND					
Benzo[g,h,i]perylene	mg/kg	2,300	---	61,000	---	27,000	---	0.88	1.7	2,300	ND	0.014	ND	ND	0.031	ND	ND	ND	ND					
Benzo[k]fluoranthene	mg/kg	9	---	1,700	---	49	*	0.99	1.7	9	ND	0.044	0.057	ND	ND	ND	ND	ND	ND					
Chrysene	mg/kg	88	---	17,000	---	160	*	1.2	2.7	88	ND	0.068	0.11	0.016	ND	ND	ND	ND	ND					
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	*	2.7	4.1	3,100	ND	0.14	0.21	0.028	ND	ND	ND	ND	ND					
Indeno[1,2,3-cd]pyrene	mg/kg	0.9	---	170	---	14	*	0.86	1.6	0.9	ND	ND	0.037	ND	ND	ND	ND	ND	ND					
Phenanthrene	mg/kg	2,300	---	61,000	---	200	---	1.3	2.5	210	ND	0.058	0.043	ND	ND	ND	ND	ND	ND					
Pyrene	mg/kg	2,300	---	61,000	---	4,200	*	1.9	3	2,300	ND	0.13	0.20	0.032	ND	ND	ND	ND	ND					
Inorganic Analytical Parameters																								
Arsenic	mg/kg	13	750	61	25,000	---	*	---	13	11.3	11	7.6	13	9.7	7.8	10	7.3	5.7	8.2					
Barium	mg/kg	5,500	690,000	14,000	870,000	---	*	---	110	1,500	82	79	70	70	81	74	110	130	65					
Beryllium	mg/kg	160	1,300	410	44,000	---	*	---	0.59	22	0.84	0.73	0.79	0.85	0.72	0.80	0.81	0.76	0.71					
Cadmium	mg/kg	78	1,800	200	59,000	---	*	---	0.6	5.2	0.27	0.19	0.31	0.19	0.29	0.29	0.34	0.35	0.32					
Calcium	mg/kg	---	---	---	---	---	*	---	9,300	---	10000	13000	13000	21000	47000	23000	8300	8400	62000					
Chromium	mg/kg	230	270	4,100	690	---	*	---	16.2	21	20	18	20	16	19	20	18	18	16					
Cobalt	mg/kg	4,700	---	12,000	---	---	*	---	8.9	20	14	12	22	16	10	14	11	7.9	14					
Copper	mg/kg	2,900	---	8,200	---	---	*	---	19.6	2,900	27	18	29	28	21	26	21	21	23					
Iron	mg/kg	---	---	---	---	---	---	---	15,900	15,000	26000	20000	28000	25000	19000	23000	20000	18000	20000					
Lead	mg/kg	400	---	700	---	---	*	---	36	107	19	16	17	17	15	16	18	18	16					
Magnesium	mg/kg	325,000	---	730,000	---	---	*	---	4,820	325,000	7700	9400	9200	12000	21000	14000	6600	6200	19000					
Manganese	mg/kg	1,600	69,000	4,100	8,700	---	*	---	636	630	390	410	540	420	360	510	420	270	500					
Mercury	mg/kg	23	10	61	0.1	---	*	---	0.06	0.89	0.036	0.026	0.029	0.031	0.027	ND	0.0098	0.0089	0.015					
Nickel	mg/kg	1,600	13,000	4,100	440,000	---	*	---	18	100	33	24	43	37	25	34	27	23	32					
Potassium	mg/kg	---	---	---	---	---	---	---	1,268	---	2400	1800	2900	2600	2000	2900	2500	2400	2600					
Selenium	mg/kg	390	---	1,000	---	---	*	---	0.48	1.3	0.61	0.49	0.95	ND	ND	0.61	0.58	ND	ND					
Silver	mg/kg	390	---	1,000	---	---	*	---	0.55	4.4	3.7	3.4	3.9	3.4	3.0	3.8	4.3	3.9	3.1					
Sodium	mg/kg	---	---	---	---	---	*	---	130	---	1200	1100	470	1100	1300	450	230	390	690					
Thallium	mg/kg	6	---	160	---	---	*	---	0.32	2.6	1.2	0.89	1.5	1.2	0.83	1.2	1.0	1.0	0.95					
Vanadium	mg/kg	550	---	1,400	---	---	*	---	25.2	550	30	28	26	28	24	29	30	27	24					
Zinc	mg/kg	23,000	---	61,000	---	---	*	---	95	5,100	83	63	89	74	68	73	76	81	69					
pH									6.25 - 9.0		8.4	8.1	8.3	8.4	8.6	8.4	7.8	7.8	8.6					

Summary Table of ISGS Site No. 3132V-3
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
IDOT Contract No: PTB 174-009; Work Order 062A
FAP 531 - Manhattan-Monee Road
Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-3-B02	3132V-3-B03	3132V-3-B03	3132V-3-B04	3132V-3-B06	3132V-3-B07	3132V-3-B08	3132V-3-B09	3132V-3-B10				
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Chicago	MSAs			pH 6.25-9.0	Sample Depth (feet)	0-5	0-5	5-10.5	0-5	0-5	0-5	0-5	0-5	0-5		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I								ISGS Site No.	500-169087-2	500-169087-3	500-169087-4	500-169087-5	500-169087-9	500-169147-1	500-169147-2	500-169147-3	500-169147-3	500-169147-4
															mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Ingestion	Inhalation	Ingestion	Inhalation	Class I	Date Collected	8/27/2019	8/27/2019	8/27/2019	8/27/2019	8/27/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019	8/28/2019							
Inorganic Analytical Parameters (TCLP)																								
Arsenic, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Barium, TCLP	mg/L	---	---	---	---	2	---	---	---	---	0.45	0.42	0.34	0.34	0.48	0.37	0.36	0.34	0.43					
Beryllium, TCLP	mg/L	---	---	---	---	0.004	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Cadmium, TCLP	mg/L	---	---	---	---	0.005	---	---	---	---	ND	ND	0.0023	0.0024	ND	ND	ND	ND	ND					
Calcium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	270	190	410	890	380	530	240	190	590					
Chromium, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Cobalt, TCLP	mg/L	---	---	---	---	1	---	---	---	---	0.014	0.025	ND	0.020	ND	ND	ND	ND	ND					
Copper, TCLP	mg/L	---	---	---	---	0.65	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Iron, TCLP	mg/L	---	---	---	---	5	---	---	---	---	ND	0.22	ND	ND	ND	ND	ND	ND	ND					
Lead, TCLP	mg/L	---	---	---	---	0.0075	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Magnesium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	110	82	110	160	110	47	130	97	33					
Manganese, TCLP	mg/L	---	---	---	---	0.15	---	---	---	---	5.8	6.3	0.87	4.9	4.0	ND	0.22	0.17	ND					
Mercury, TCLP	mg/L	---	---	---	---	0.002	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Nickel, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	ND	ND	0.024	ND	ND	ND	ND	ND					
Potassium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	1.3	1.7	1.8	0.80	2.4	0.87	1.1	3.8	1.0					
Selenium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Silver, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Sodium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	---	---	---	---	---	---	---	---	---					
Thallium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Vanadium, TCLP	mg/L	---	---	---	---	0.049	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Zinc, TCLP	mg/L	---	---	---	---	5	---	---	---	---	ND	0.47	ND	0.026	0.022	0.52	ND	1.3	0.049					
Inorganic Analytical Parameters (SPLP)																								
Arsenic, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.068	0.028	ND	0.056	0.075	0.016	0.015	ND	0.038					
Barium, SPLP	mg/L	---	---	---	---	2	---	---	---	---	0.87	0.50	0.14	0.74	1.2	0.27	0.48	0.38	0.62					
Beryllium, SPLP	mg/L	---	---	---	---	0.004	---	---	---	---	0.0090	0.0043	ND	0.0082	0.012	ND	ND	ND	0.0056					
Cadmium, SPLP	mg/L	---	---	---	---	0.005	---	---	---	---	0.0033	0.0024	ND	0.0028	0.0029	ND	ND	ND	ND					
Calcium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	24	15	9.2	34	32	14	16	13	28					
Chromium, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.20	0.11	0.042	0.18	0.26	0.067	0.098	0.081	0.14					
Cobalt, SPLP	mg/L	---	---	---	---	1	---	---	---	---	0.054	0.032	ND	0.047	0.085	ND	ND	ND	0.028					
Copper, SPLP	mg/L	---	---	---	---	0.65	---	---	---	---	0.20	0.089	0.024	0.16	0.24	0.051	0.060	0.044	0.10					
Iron, SPLP	mg/L	---	---	---	---	5	---	---	---	---	200	110	26	170	260	59	80	64	120					
Lead, SPLP	mg/L	---	---	---	---	0.0075	---	---	---	---	0.14	0.076	0.027	0.12	0.16	0.060	0.086	0.075	0.15					
Magnesium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	39	21	9.5	41	51	14	19	15	31					
Manganese, SPLP	mg/L	---	---	---	---	0.15	---	---	---	---	1.2	0.70	0.10	0.78	1.8	0.22	0.35	0.29	0.46					
Mercury, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.00030	0.00021	ND	0.00025	0.00039	ND	ND	ND	ND					
Nickel, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.20	0.096	0.030	0.16	0.24	0.048	0.065	0.047	0.11					
Potassium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	54	17	21	56	83	21	23	19	49					
Selenium, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Silver, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.015	ND	ND	0.014	0.020	ND	ND	ND	0.010					
Sodium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---					
Thallium, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.0047	0.0022	ND	0.0037	0.0041	ND	ND	ND	0.0035					
Vanadium, SPLP	mg/L	---	---	---	---	0.049	---	---	---	---	0.31	0.18	0.053	0.28	0.29	0.10	0.15	0.13	0.22					
Zinc, SPLP	mg/L	---	---	---	---	5	---	---	---	---	0.64	0.54	0.12	0.72	1.6	0.18	0.24	0.24	0.32					

Table Notes

Remediation Objectives from 35 Illinois Administrative Code Chapter 742: *Tiered Approach to Corrective Action Objectives* (TACO) and the most stringent Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil (MACs) outline in Title 35 Administrative Code of the Illinois Administrative Code Part 1100 (35 IAC 1100).

Remediation Objectives for Non-TACO compounds from Illinois Environmental Protection Agency's (IEPA's) web site (<http://www.epa.state.il.us/land/taco/chemicals-not-in-taco-tier-1-tables.html>).

mg/kg = milligrams per kilogram, generally equivalent to ppm

mg/L = milligrams per liter, generally equivalent to parts per million (ppm)

TCLP = Toxicity Characteristic Leaching Procedure

SPLP = Synthetic Precipitation Leaching Procedure

-- = Sample not analyzed for this constituent

--- = No IEPA Remediation Objective (RO) for this exposure route.


---- = Not measured


ND = Constituent not detected above the reporting limit.


Italicized Tier 1 ROs were changed to laboratory Acceptable Detection Limits (ADL) per 35 IAC 742.510(a)(8).


* In pH-specific table, hexavalent chromium used as RO for total chromium to allow for a conservative comparison. Since no Class II pH-specific ROs exist for chromium, silver, and vanadium, conservative Class I ROs used for comparison.

**Lab Data for 3 & 4 methylphenol compared to 4 methylphenol Ros.

 Yellow is above the most stringent MAC

 Blue is above MAC and City of Chicago but below the MSA

 Green is above MAC and MSA County

 Orange is above the lowest construction worker RO

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-169087-1
Client Project/Site: IDOT - PTB 174-009 - WO 062

For:
Environmental Design International, Inc.
33 W. Monroe
Suite 1825
Chicago, Illinois 60603

Attn: Michael Fischer



Authorized for release by:
9/10/2019 3:30:04 PM

Richard Wright, Senior Project Manager
(708)534-5200
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LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
1312	SPLP Extraction	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
9010B	Cyanide, Distillation	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B02 (0-5)

Lab Sample ID: 500-169087-2

Date Collected: 08/27/19 13:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.047		0.021	0.0092	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Benzene	<0.00054		0.0021	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Bromodichloromethane	<0.00043		0.0021	0.00043	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Bromoform	<0.00062		0.0021	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Bromomethane	<0.0020		0.0053	0.0020	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
2-Butanone (MEK)	0.014		0.0053	0.0023	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Carbon disulfide	<0.0011		0.0053	0.0011	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Carbon tetrachloride	<0.00061		0.0021	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Chlorobenzene	<0.00078		0.0021	0.00078	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Chloroethane	<0.0016		0.0053	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Chloroform	<0.00073		0.0021	0.00073	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Chloromethane	<0.0021		0.0053	0.0021	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
cis-1,2-Dichloroethene	<0.00059		0.0021	0.00059	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
cis-1,3-Dichloropropene	<0.00064		0.0021	0.00064	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Dibromochloromethane	<0.00069		0.0021	0.00069	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
1,1-Dichloroethane	<0.00072		0.0021	0.00072	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
1,2-Dichloroethane	<0.0016		0.0053	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
1,1-Dichloroethene	<0.00072		0.0021	0.00072	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
1,2-Dichloropropene	<0.00054		0.0021	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
1,3-Dichloropropene, Total	<0.00074		0.0021	0.00074	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Ethylbenzene	<0.0010		0.0021	0.0010	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
2-Hexanone	<0.0016		0.0053	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Methylene Chloride	<0.0021		0.0053	0.0021	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
4-Methyl-2-pentanone (MIBK)	<0.0016		0.0053	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Methyl tert-butyl ether	<0.00062		0.0021	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Styrene	<0.00064		0.0021	0.00064	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
1,1,2,2-Tetrachloroethane	<0.00067		0.0021	0.00067	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Tetrachloroethene	<0.00072		0.0021	0.00072	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Toluene	<0.00053		0.0021	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
trans-1,2-Dichloroethene	<0.00093		0.0021	0.00093	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
trans-1,3-Dichloropropene	<0.00074		0.0021	0.00074	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
1,1,1-Trichloroethane	<0.00071		0.0021	0.00071	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
1,1,2-Trichloroethane	<0.00090		0.0021	0.00090	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Trichloroethene	<0.00071		0.0021	0.00071	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Vinyl acetate	<0.0018		0.0053	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Vinyl chloride	<0.00093		0.0021	0.00093	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1
Xylenes, Total	<0.00067		0.0042	0.00067	mg/Kg	☼	08/27/19 17:07	09/05/19 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	08/27/19 17:07	09/05/19 19:22	1
Dibromofluoromethane	87		75 - 126	08/27/19 17:07	09/05/19 19:22	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 134	08/27/19 17:07	09/05/19 19:22	1
Toluene-d8 (Surr)	85		75 - 124	08/27/19 17:07	09/05/19 19:22	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0074		0.041	0.0074	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Acenaphthylene	<0.0054		0.041	0.0054	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Anthracene	<0.0068		0.041	0.0068	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Benzo[a]anthracene	<0.0055		0.041	0.0055	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B02 (0-5)

Lab Sample ID: 500-169087-2

Date Collected: 08/27/19 13:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0079		0.041	0.0079	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Benzo[b]fluoranthene	<0.0088		0.041	0.0088	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Benzo[g,h,i]perylene	<0.013		0.041	0.013	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Benzo[k]fluoranthene	<0.012		0.041	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Bis(2-chloroethoxy)methane	<0.042		0.21	0.042	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Bis(2-chloroethyl)ether	<0.061		0.21	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Bis(2-ethylhexyl) phthalate	<0.075		0.21	0.075	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
4-Bromophenyl phenyl ether	<0.054		0.21	0.054	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Butyl benzyl phthalate	<0.078		0.21	0.078	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Carbazole	<0.10		0.21	0.10	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
4-Chloroaniline	<0.19		0.83	0.19	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
4-Chloro-3-methylphenol	<0.14		0.41	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2-Chloronaphthalene	<0.045		0.21	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2-Chlorophenol	<0.070		0.21	0.070	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
4-Chlorophenyl phenyl ether	<0.048		0.21	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Chrysene	<0.011		0.041	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Dibenz(a,h)anthracene	<0.0079		0.041	0.0079	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Dibenzofuran	<0.048		0.21	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
1,2-Dichlorobenzene	<0.049		0.21	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
1,3-Dichlorobenzene	<0.046		0.21	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
1,4-Dichlorobenzene	<0.052		0.21	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
3,3'-Dichlorobenzidine	<0.057		0.21	0.057	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2,4-Dichlorophenol	<0.097		0.41	0.097	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Diethyl phthalate	<0.069		0.21	0.069	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2,4-Dimethylphenol	<0.16		0.41	0.16	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Dimethyl phthalate	<0.053		0.21	0.053	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Di-n-butyl phthalate	<0.062		0.21	0.062	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
4,6-Dinitro-2-methylphenol	<0.33		0.83	0.33	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2,4-Dinitrophenol	<0.72		0.83	0.72	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2,4-Dinitrotoluene	<0.065		0.21	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2,6-Dinitrotoluene	<0.080		0.21	0.080	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Di-n-octyl phthalate	<0.067		0.21	0.067	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Fluoranthene	<0.0076		0.041	0.0076	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Fluorene	<0.0058		0.041	0.0058	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Hexachlorobenzene	<0.0095		0.083	0.0095	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Hexachlorobutadiene	<0.064		0.21	0.064	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Hexachlorocyclopentadiene	<0.24		0.83	0.24	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Hexachloroethane	<0.062		0.21	0.062	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Indeno[1,2,3-cd]pyrene	<0.011		0.041	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Isophorone	<0.046		0.21	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2-Methylnaphthalene	<0.0075 *		0.083	0.0075	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2-Methylphenol	<0.066		0.21	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
3 & 4 Methylphenol	<0.068		0.21	0.068	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Naphthalene	<0.0063		0.041	0.0063	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2-Nitroaniline	<0.055		0.21	0.055	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
3-Nitroaniline	<0.13		0.41	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
4-Nitroaniline	<0.17		0.41	0.17	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Nitrobenzene	<0.010		0.041	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2-Nitrophenol	<0.097		0.41	0.097	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B02 (0-5)

Lab Sample ID: 500-169087-2

Date Collected: 08/27/19 13:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.39		0.83	0.39	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
N-Nitrosodi-n-propylamine	<0.050		0.083	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
N-Nitrosodiphenylamine	<0.048		0.21	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2,2'-oxybis[1-chloropropane]	<0.047		0.21	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Pentachlorophenol	<0.66		0.83	0.66	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Phenanthrene	<0.0057		0.041	0.0057	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Phenol	<0.091		0.21	0.091	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Pyrene	<0.0081		0.041	0.0081	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
1,2,4-Trichlorobenzene	<0.044		0.21	0.044	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2,4,5-Trichlorophenol	<0.093		0.41	0.093	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
2,4,6-Trichlorophenol	<0.14		0.41	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 16:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		43 - 145				09/06/19 08:24	09/09/19 16:13	1
2-Fluorophenol	91		31 - 166				09/06/19 08:24	09/09/19 16:13	1
Nitrobenzene-d5	64		37 - 147				09/06/19 08:24	09/09/19 16:13	1
Phenol-d5	80		30 - 153				09/06/19 08:24	09/09/19 16:13	1
Terphenyl-d14	127		42 - 157				09/06/19 08:24	09/09/19 16:13	1
2,4,6-Tribromophenol	77		31 - 143				09/06/19 08:24	09/09/19 16:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.24		1.2	0.24	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Arsenic	11		0.61	0.21	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Barium	82		0.61	0.070	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Beryllium	0.84		0.25	0.057	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Cadmium	0.27	B	0.12	0.022	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Chromium	20		0.61	0.30	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Cobalt	14		0.31	0.080	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Copper	27		0.61	0.17	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Iron	26000		12	6.4	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Lead	19		0.31	0.14	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Magnesium	7700		6.1	3.0	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Calcium	10000		12	2.1	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Manganese	390		0.61	0.089	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Nickel	33		0.61	0.18	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Selenium	0.61		0.61	0.36	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Silver	3.7		0.31	0.079	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Thallium	1.2		0.61	0.31	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Vanadium	30		0.31	0.072	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Zinc	83		1.2	0.54	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Potassium	2400		31	11	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1
Sodium	1200		61	9.1	mg/Kg	☼	09/03/19 17:50	09/05/19 04:44	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 18:33	1
Barium	0.45	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 18:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 18:33	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 18:33	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B02 (0-5)

Lab Sample ID: 500-169087-2

Date Collected: 08/27/19 13:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	270		5.0	0.50	mg/L		09/09/19 08:14	09/09/19 18:33	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:33	1
Cobalt	0.014	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:33	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:33	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:14	09/09/19 18:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/09/19 18:33	1
Magnesium	110		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 18:33	1
Manganese	5.8		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:33	1
Nickel	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:33	1
Potassium	1.3	J	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 18:33	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 18:33	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:33	1
Vanadium	<0.010	[^]	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:33	1
Zinc	<0.020		0.50	0.020	mg/L		09/09/19 08:14	09/09/19 18:33	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.068		0.050	0.010	mg/L		09/09/19 08:12	09/09/19 22:08	1
Barium	0.87		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 22:08	1
Beryllium	0.0090		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 22:08	1
Cadmium	0.0033	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 22:08	1
Calcium	24		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 22:08	1
Chromium	0.20		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:08	1
Cobalt	0.054		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:08	1
Copper	0.20		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:08	1
Iron	200		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 22:08	1
Lead	0.14		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 22:08	1
Magnesium	39		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:08	1
Manganese	1.2		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:08	1
Nickel	0.20		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:08	1
Potassium	54		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:08	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 22:08	1
Silver	0.015	J	0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:08	1
Vanadium	0.31		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:08	1
Zinc	0.64		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 22:08	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 21:01	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 21:01	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/09/19 23:42	1
Thallium	0.0047		0.0020	0.0020	mg/L		09/09/19 08:12	09/09/19 23:42	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00030		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 12:32	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B02 (0-5)

Lab Sample ID: 500-169087-2

Date Collected: 08/27/19 13:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 79.5

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.021	0.0068	mg/Kg	☼	09/04/19 11:20	09/05/19 07:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.58	0.29	mg/Kg	☼	09/06/19 13:35	09/06/19 16:21	1
pH	8.4		0.2	0.2	SU			09/03/19 19:13	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (0-5)

Lab Sample ID: 500-169087-3

Date Collected: 08/27/19 13:30

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.025		0.018	0.0078	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Benzene	<0.00046		0.0018	0.00046	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Bromodichloromethane	<0.00037		0.0018	0.00037	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Bromoform	<0.00052		0.0018	0.00052	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Bromomethane	<0.0017		0.0045	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
2-Butanone (MEK)	0.0058		0.0045	0.0020	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Carbon disulfide	<0.00093		0.0045	0.00093	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Carbon tetrachloride	<0.00052		0.0018	0.00052	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Chlorobenzene	<0.00066		0.0018	0.00066	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Chloroethane	<0.0013		0.0045	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Chloroform	<0.00062		0.0018	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Chloromethane	<0.0018		0.0045	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
cis-1,2-Dichloroethene	<0.00050		0.0018	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
cis-1,3-Dichloropropene	<0.00054		0.0018	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Dibromochloromethane	<0.00059		0.0018	0.00059	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
1,1-Dichloroethane	<0.00061		0.0018	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
1,2-Dichloroethane	<0.0014		0.0045	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
1,1-Dichloroethene	<0.00062		0.0018	0.00062	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
1,2-Dichloropropane	<0.00046		0.0018	0.00046	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
1,3-Dichloropropane, Total	<0.00063		0.0018	0.00063	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Ethylbenzene	<0.00086		0.0018	0.00086	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
2-Hexanone	<0.0014		0.0045	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Methylene Chloride	<0.0018		0.0045	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
4-Methyl-2-pentanone (MIBK)	<0.0013		0.0045	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Methyl tert-butyl ether	<0.00053		0.0018	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Styrene	<0.00054		0.0018	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
1,1,2,2-Tetrachloroethane	<0.00057		0.0018	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Tetrachloroethene	<0.00061		0.0018	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Toluene	<0.00045		0.0018	0.00045	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
trans-1,2-Dichloroethene	<0.00080		0.0018	0.00080	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
trans-1,3-Dichloropropene	<0.00063		0.0018	0.00063	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
1,1,1-Trichloroethane	<0.00060		0.0018	0.00060	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
1,1,2-Trichloroethane	<0.00077		0.0018	0.00077	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Trichloroethene	<0.00061		0.0018	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Vinyl acetate	<0.0016		0.0045	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Vinyl chloride	<0.00079		0.0018	0.00079	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1
Xylenes, Total	<0.00057		0.0036	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	08/27/19 17:07	09/05/19 19:48	1
Dibromofluoromethane	86		75 - 126	08/27/19 17:07	09/05/19 19:48	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	08/27/19 17:07	09/05/19 19:48	1
Toluene-d8 (Surr)	86		75 - 124	08/27/19 17:07	09/05/19 19:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0071		0.039	0.0071	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Acenaphthylene	0.015	J	0.039	0.0052	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Anthracene	0.021	J	0.039	0.0066	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Benzo[a]anthracene	0.073		0.039	0.0053	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (0-5)

Lab Sample ID: 500-169087-3

Date Collected: 08/27/19 13:30

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.066		0.039	0.0077	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Benzo[b]fluoranthene	0.091		0.039	0.0086	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Benzo[g,h,i]perylene	0.014	J	0.039	0.013	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Benzo[k]fluoranthene	0.044		0.039	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Bis(2-chloroethoxy)methane	<0.041		0.20	0.041	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Bis(2-chloroethyl)ether	<0.060		0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Bis(2-ethylhexyl) phthalate	<0.073		0.20	0.073	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Butyl benzyl phthalate	<0.076		0.20	0.076	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Carbazole	<0.099		0.20	0.099	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
4-Chloroaniline	<0.19		0.80	0.19	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
4-Chloro-3-methylphenol	<0.14		0.39	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2-Chloronaphthalene	<0.044		0.20	0.044	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2-Chlorophenol	<0.068		0.20	0.068	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Chrysene	0.068		0.039	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Dibenz(a,h)anthracene	<0.0077		0.039	0.0077	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Dibenzofuran	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
1,2-Dichlorobenzene	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
1,3-Dichlorobenzene	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
1,4-Dichlorobenzene	<0.051		0.20	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
3,3'-Dichlorobenzidine	<0.056		0.20	0.056	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2,4-Dichlorophenol	<0.094		0.39	0.094	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Diethyl phthalate	<0.067		0.20	0.067	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2,4-Dimethylphenol	<0.15		0.39	0.15	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Dimethyl phthalate	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Di-n-butyl phthalate	<0.061		0.20	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
4,6-Dinitro-2-methylphenol	<0.32		0.80	0.32	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2,4-Dinitrophenol	<0.70		0.80	0.70	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2,4-Dinitrotoluene	<0.063		0.20	0.063	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2,6-Dinitrotoluene	<0.078		0.20	0.078	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Di-n-octyl phthalate	<0.065		0.20	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Fluoranthene	0.14		0.039	0.0074	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Fluorene	<0.0056		0.039	0.0056	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Hexachlorobenzene	<0.0092		0.080	0.0092	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Hexachlorobutadiene	<0.062		0.20	0.062	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Hexachlorocyclopentadiene	<0.23		0.80	0.23	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Hexachloroethane	<0.060		0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Indeno[1,2,3-cd]pyrene	<0.010		0.039	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Isophorone	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2-Methylnaphthalene	<0.0073	*	0.080	0.0073	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2-Methylphenol	<0.064		0.20	0.064	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
3 & 4 Methylphenol	<0.066		0.20	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Naphthalene	<0.0061		0.039	0.0061	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2-Nitroaniline	<0.053		0.20	0.053	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
3-Nitroaniline	<0.12		0.39	0.12	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
4-Nitroaniline	<0.17		0.39	0.17	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Nitrobenzene	<0.0099		0.039	0.0099	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2-Nitrophenol	<0.094		0.39	0.094	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (0-5)

Lab Sample ID: 500-169087-3

Date Collected: 08/27/19 13:30

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.38		0.80	0.38	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
N-Nitrosodi-n-propylamine	<0.049		0.080	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
N-Nitrosodiphenylamine	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2,2'-oxybis[1-chloropropane]	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Pentachlorophenol	<0.64		0.80	0.64	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Phenanthrene	0.058		0.039	0.0055	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Phenol	<0.088		0.20	0.088	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
Pyrene	0.13		0.039	0.0079	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
1,2,4-Trichlorobenzene	<0.043		0.20	0.043	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2,4,5-Trichlorophenol	<0.091		0.39	0.091	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1
2,4,6-Trichlorophenol	<0.14		0.39	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	97		43 - 145	09/06/19 08:24	09/09/19 16:41	1
2-Fluorophenol	109		31 - 166	09/06/19 08:24	09/09/19 16:41	1
Nitrobenzene-d5	79		37 - 147	09/06/19 08:24	09/09/19 16:41	1
Phenol-d5	98		30 - 153	09/06/19 08:24	09/09/19 16:41	1
Terphenyl-d14	142		42 - 157	09/06/19 08:24	09/09/19 16:41	1
2,4,6-Tribromophenol	89		31 - 143	09/06/19 08:24	09/09/19 16:41	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.23		1.2	0.23	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Arsenic	7.6		0.60	0.21	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Barium	79		0.60	0.069	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Beryllium	0.73		0.24	0.056	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Cadmium	0.19	B	0.12	0.022	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Chromium	18		0.60	0.30	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Cobalt	12		0.30	0.079	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Copper	18		0.60	0.17	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Iron	20000		12	6.3	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Lead	16		0.30	0.14	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Magnesium	9400		6.0	3.0	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Calcium	13000		12	2.0	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Manganese	410		0.60	0.087	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Nickel	24		0.60	0.18	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Selenium	0.49	J	0.60	0.35	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Silver	3.4		0.30	0.078	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Thallium	0.89		0.60	0.30	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Vanadium	28		0.30	0.071	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Zinc	63		1.2	0.53	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Potassium	1800		30	11	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1
Sodium	1100		60	8.9	mg/Kg	☼	09/03/19 17:50	09/05/19 04:48	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 18:37	1
Barium	0.42	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 18:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 18:37	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 18:37	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (0-5)

Lab Sample ID: 500-169087-3

Date Collected: 08/27/19 13:30

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	190		5.0	0.50	mg/L		09/09/19 08:14	09/09/19 18:37	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:37	1
Cobalt	0.025		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:37	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:37	1
Iron	0.22	J	0.40	0.20	mg/L		09/09/19 08:14	09/09/19 18:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/09/19 18:37	1
Magnesium	82		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 18:37	1
Manganese	6.3		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:37	1
Nickel	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:37	1
Potassium	1.7	J	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 18:37	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 18:37	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:37	1
Vanadium	<0.010	^	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:37	1
Zinc	0.47	J B	0.50	0.020	mg/L		09/09/19 08:14	09/09/19 18:37	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.028	J	0.050	0.010	mg/L		09/09/19 08:12	09/09/19 22:12	1
Barium	0.50		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 22:12	1
Beryllium	0.0043		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 22:12	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 22:12	1
Calcium	15		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 22:12	1
Chromium	0.11		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:12	1
Cobalt	0.032		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:12	1
Copper	0.089		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:12	1
Iron	110		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 22:12	1
Lead	0.076		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 22:12	1
Magnesium	21		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:12	1
Manganese	0.70		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:12	1
Nickel	0.096		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:12	1
Potassium	17		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:12	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 22:12	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:12	1
Vanadium	0.18		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:12	1
Zinc	0.54		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 22:12	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 21:04	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 21:04	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/09/19 23:45	1
Thallium	0.0022		0.0020	0.0020	mg/L		09/09/19 08:12	09/09/19 23:45	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00021		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 12:34	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (0-5)

Lab Sample ID: 500-169087-3

Date Collected: 08/27/19 13:30

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.7

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.0065	mg/Kg	☼	09/04/19 11:20	09/05/19 07:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.58	0.29	mg/Kg	☼	09/06/19 13:35	09/06/19 16:21	1
pH	8.1		0.2	0.2	SU			09/03/19 19:15	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (5-10.5)

Lab Sample ID: 500-169087-4

Date Collected: 08/27/19 13:35

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 81.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.015	J	0.017	0.0074	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Benzene	<0.00043		0.0017	0.00043	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Bromodichloromethane	<0.00035		0.0017	0.00035	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Bromoform	<0.00050		0.0017	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Bromomethane	<0.0016		0.0043	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
2-Butanone (MEK)	<0.0019		0.0043	0.0019	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Carbon disulfide	<0.00088		0.0043	0.00088	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Carbon tetrachloride	<0.00049		0.0017	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Chlorobenzene	<0.00063		0.0017	0.00063	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Chloroethane	<0.0013		0.0043	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Chloroform	<0.00059		0.0017	0.00059	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Chloromethane	<0.0017		0.0043	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
cis-1,2-Dichloroethene	<0.00048		0.0017	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
cis-1,3-Dichloropropene	<0.00051		0.0017	0.00051	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Dibromochloromethane	<0.00056		0.0017	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
1,1-Dichloroethane	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
1,2-Dichloroethane	<0.0013		0.0043	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
1,1-Dichloroethene	<0.00059		0.0017	0.00059	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
1,2-Dichloropropane	<0.00044		0.0017	0.00044	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
1,3-Dichloropropane, Total	<0.00060		0.0017	0.00060	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Ethylbenzene	<0.00081		0.0017	0.00081	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
2-Hexanone	<0.0013		0.0043	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Methylene Chloride	<0.0017		0.0043	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
4-Methyl-2-pentanone (MIBK)	<0.0013		0.0043	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Methyl tert-butyl ether	<0.00050		0.0017	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Styrene	<0.00051		0.0017	0.00051	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
1,1,2,2-Tetrachloroethane	<0.00054		0.0017	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Tetrachloroethene	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Toluene	<0.00043		0.0017	0.00043	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
trans-1,2-Dichloroethene	<0.00075		0.0017	0.00075	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
trans-1,3-Dichloropropene	<0.00060		0.0017	0.00060	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
1,1,1-Trichloroethane	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
1,1,2-Trichloroethane	<0.00073		0.0017	0.00073	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Trichloroethene	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Vinyl acetate	<0.0015		0.0043	0.0015	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Vinyl chloride	<0.00075		0.0017	0.00075	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1
Xylenes, Total	<0.00054		0.0034	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	08/27/19 17:07	09/05/19 20:13	1
Dibromofluoromethane	86		75 - 126	08/27/19 17:07	09/05/19 20:13	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	08/27/19 17:07	09/05/19 20:13	1
Toluene-d8 (Surr)	87		75 - 124	08/27/19 17:07	09/05/19 20:13	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0073		0.040	0.0073	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Acenaphthylene	0.021	J	0.040	0.0054	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Anthracene	0.022	J	0.040	0.0068	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Benzo[a]anthracene	0.11		0.040	0.0055	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (5-10.5)

Lab Sample ID: 500-169087-4

Date Collected: 08/27/19 13:35

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 81.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.11		0.040	0.0079	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Benzo[b]fluoranthene	0.15		0.040	0.0088	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Benzo[g,h,i]perylene	<0.013		0.040	0.013	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Benzo[k]fluoranthene	0.057		0.040	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Bis(2-chloroethoxy)methane	<0.041		0.20	0.041	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Bis(2-chloroethyl)ether	<0.061		0.20	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Bis(2-ethylhexyl) phthalate	<0.074		0.20	0.074	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
4-Bromophenyl phenyl ether	<0.054		0.20	0.054	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Butyl benzyl phthalate	<0.077		0.20	0.077	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Carbazole	<0.10		0.20	0.10	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
4-Chloroaniline	<0.19		0.82	0.19	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
4-Chloro-3-methylphenol	<0.14		0.40	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2-Chloronaphthalene	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2-Chlorophenol	<0.069		0.20	0.069	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
4-Chlorophenyl phenyl ether	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Chrysene	0.11		0.040	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Dibenz(a,h)anthracene	<0.0078		0.040	0.0078	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Dibenzofuran	<0.048		0.20	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
1,2-Dichlorobenzene	<0.049		0.20	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
1,3-Dichlorobenzene	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
1,4-Dichlorobenzene	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
3,3'-Dichlorobenzidine	<0.057		0.20	0.057	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2,4-Dichlorophenol	<0.096		0.40	0.096	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Diethyl phthalate	<0.069		0.20	0.069	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2,4-Dimethylphenol	<0.15		0.40	0.15	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Dimethyl phthalate	<0.053		0.20	0.053	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Di-n-butyl phthalate	<0.062		0.20	0.062	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
4,6-Dinitro-2-methylphenol	<0.33		0.82	0.33	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2,4-Dinitrophenol	<0.71		0.82	0.71	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2,4-Dinitrotoluene	<0.065		0.20	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2,6-Dinitrotoluene	<0.080		0.20	0.080	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Di-n-octyl phthalate	<0.066		0.20	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Fluoranthene	0.21		0.040	0.0075	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Fluorene	<0.0057		0.040	0.0057	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Hexachlorobenzene	<0.0094		0.082	0.0094	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Hexachlorobutadiene	<0.064		0.20	0.064	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Hexachlorocyclopentadiene	<0.23		0.82	0.23	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Hexachloroethane	<0.062		0.20	0.062	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Indeno[1,2,3-cd]pyrene	0.037 J		0.040	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Isophorone	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2-Methylnaphthalene	<0.0075 *		0.082	0.0075	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2-Methylphenol	<0.065		0.20	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
3 & 4 Methylphenol	<0.068		0.20	0.068	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Naphthalene	<0.0062		0.040	0.0062	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2-Nitroaniline	<0.055		0.20	0.055	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
3-Nitroaniline	<0.13		0.40	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
4-Nitroaniline	<0.17		0.40	0.17	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Nitrobenzene	<0.010		0.040	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2-Nitrophenol	<0.096		0.40	0.096	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (5-10.5)

Lab Sample ID: 500-169087-4

Date Collected: 08/27/19 13:35

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 81.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.39		0.82	0.39	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
N-Nitrosodi-n-propylamine	<0.050		0.082	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
N-Nitrosodiphenylamine	<0.048		0.20	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2,2'-oxybis[1-chloropropane]	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Pentachlorophenol	<0.65		0.82	0.65	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Phenanthrene	0.043		0.040	0.0057	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Phenol	<0.090		0.20	0.090	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
Pyrene	0.20		0.040	0.0081	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
1,2,4-Trichlorobenzene	<0.044		0.20	0.044	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2,4,5-Trichlorophenol	<0.093		0.40	0.093	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1
2,4,6-Trichlorophenol	<0.14		0.40	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		43 - 145	09/06/19 08:24	09/09/19 17:08	1
2-Fluorophenol	99		31 - 166	09/06/19 08:24	09/09/19 17:08	1
Nitrobenzene-d5	67		37 - 147	09/06/19 08:24	09/09/19 17:08	1
Phenol-d5	86		30 - 153	09/06/19 08:24	09/09/19 17:08	1
Terphenyl-d14	124		42 - 157	09/06/19 08:24	09/09/19 17:08	1
2,4,6-Tribromophenol	62		31 - 143	09/06/19 08:24	09/09/19 17:08	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.23		1.2	0.23	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Arsenic	13		0.60	0.21	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Barium	70		0.60	0.069	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Beryllium	0.79		0.24	0.056	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Cadmium	0.31	B	0.12	0.022	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Chromium	20		0.60	0.30	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Cobalt	22		0.30	0.079	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Copper	29		0.60	0.17	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Iron	28000		12	6.3	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Lead	17		0.30	0.14	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Magnesium	9200		6.0	3.0	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Calcium	13000		12	2.0	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Manganese	540		0.60	0.087	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Nickel	43		0.60	0.18	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Selenium	0.95		0.60	0.35	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Silver	3.9		0.30	0.078	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Thallium	1.5		0.60	0.30	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Vanadium	26		0.30	0.071	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Zinc	89		1.2	0.53	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Potassium	2900		30	11	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1
Sodium	470		60	8.9	mg/Kg	☼	09/03/19 17:50	09/05/19 04:52	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 18:41	1
Barium	0.34	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 18:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 18:41	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 18:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (5-10.5)

Lab Sample ID: 500-169087-4

Date Collected: 08/27/19 13:35

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	410		5.0	0.50	mg/L		09/09/19 08:14	09/09/19 18:41	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:41	1
Cobalt	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:41	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:41	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:14	09/09/19 18:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/09/19 18:41	1
Magnesium	110		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 18:41	1
Manganese	0.87		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:41	1
Nickel	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:41	1
Potassium	1.8 J		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 18:41	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 18:41	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:41	1
Vanadium	<0.010 ^		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:41	1
Zinc	<0.020		0.50	0.020	mg/L		09/09/19 08:14	09/09/19 18:41	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:12	09/09/19 22:16	1
Barium	0.14 J		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 22:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 22:16	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 22:16	1
Calcium	9.2		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 22:16	1
Chromium	0.042		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:16	1
Cobalt	<0.010		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:16	1
Copper	0.024 J		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:16	1
Iron	26		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 22:16	1
Lead	0.027		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 22:16	1
Magnesium	9.5		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:16	1
Manganese	0.10		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:16	1
Nickel	0.030		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:16	1
Potassium	13		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:16	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 22:16	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:16	1
Vanadium	0.053		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:16	1
Zinc	0.12 J		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 22:16	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 21:08	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 21:08	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/09/19 23:48	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:12	09/09/19 23:48	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 12:35	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B03 (5-10.5)

Lab Sample ID: 500-169087-4

Date Collected: 08/27/19 13:35

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 81.4

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.019	0.0063	mg/Kg	☼	09/04/19 11:20	09/05/19 07:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.25		0.50	0.25	mg/Kg	☼	09/06/19 13:35	09/06/19 16:21	1
pH	8.3		0.2	0.2	SU			09/03/19 19:17	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B04 (0-5)

Lab Sample ID: 500-169087-5

Date Collected: 08/27/19 13:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 84.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.018		0.017	0.0072	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Benzene	<0.00042		0.0017	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Bromodichloromethane	<0.00034		0.0017	0.00034	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Bromoform	<0.00049		0.0017	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Bromomethane	<0.0016		0.0042	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
2-Butanone (MEK)	<0.0018		0.0042	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Carbon disulfide	<0.00086		0.0042	0.00086	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Carbon tetrachloride	<0.00048		0.0017	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Chlorobenzene	<0.00061		0.0017	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Chloroethane	<0.0012		0.0042	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Chloroform	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Chloromethane	<0.0017		0.0042	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
cis-1,2-Dichloroethene	<0.00046		0.0017	0.00046	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
cis-1,3-Dichloropropene	<0.00050		0.0017	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Dibromochloromethane	<0.00054		0.0017	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
1,1-Dichloroethane	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
1,2-Dichloroethane	<0.0013		0.0042	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
1,1-Dichloroethene	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
1,2-Dichloropropane	<0.00043		0.0017	0.00043	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
1,3-Dichloropropane, Total	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Ethylbenzene	<0.00080		0.0017	0.00080	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
2-Hexanone	<0.0013		0.0042	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Methylene Chloride	<0.0016		0.0042	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
4-Methyl-2-pentanone (MIBK)	<0.0012		0.0042	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Methyl tert-butyl ether	<0.00049		0.0017	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Styrene	<0.00050		0.0017	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
1,1,2,2-Tetrachloroethane	<0.00053		0.0017	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Tetrachloroethene	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Toluene	<0.00042		0.0017	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
trans-1,2-Dichloroethene	<0.00074		0.0017	0.00074	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
trans-1,3-Dichloropropene	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
1,1,1-Trichloroethane	<0.00056		0.0017	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
1,1,2-Trichloroethane	<0.00071		0.0017	0.00071	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Trichloroethene	<0.00056		0.0017	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Vinyl acetate	<0.0014		0.0042	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Vinyl chloride	<0.00074		0.0017	0.00074	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1
Xylenes, Total	<0.00053		0.0033	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	08/27/19 17:07	09/05/19 20:39	1
Dibromofluoromethane	84		75 - 126	08/27/19 17:07	09/05/19 20:39	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	08/27/19 17:07	09/05/19 20:39	1
Toluene-d8 (Surr)	84		75 - 124	08/27/19 17:07	09/05/19 20:39	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0070		0.039	0.0070	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Acenaphthylene	<0.0052		0.039	0.0052	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Anthracene	<0.0065		0.039	0.0065	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Benzo[a]anthracene	0.019	J	0.039	0.0053	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B04 (0-5)

Lab Sample ID: 500-169087-5

Date Collected: 08/27/19 13:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0076		0.039	0.0076	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Benzo[b]fluoranthene	0.027	J	0.039	0.0084	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Benzo[g,h,i]perylene	<0.013		0.039	0.013	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Benzo[k]fluoranthene	<0.012		0.039	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Bis(2-chloroethoxy)methane	<0.040		0.20	0.040	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Bis(2-chloroethyl)ether	<0.059		0.20	0.059	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Bis(2-ethylhexyl) phthalate	<0.071		0.20	0.071	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Butyl benzyl phthalate	<0.074		0.20	0.074	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Carbazole	<0.098		0.20	0.098	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
4-Chloroaniline	<0.18		0.79	0.18	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
4-Chloro-3-methylphenol	<0.13		0.39	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2-Chloronaphthalene	<0.043		0.20	0.043	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2-Chlorophenol	<0.067		0.20	0.067	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Chrysene	0.016	J	0.039	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Dibenz(a,h)anthracene	<0.0076		0.039	0.0076	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Dibenzofuran	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
1,2-Dichlorobenzene	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
1,3-Dichlorobenzene	<0.044		0.20	0.044	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
1,4-Dichlorobenzene	<0.050		0.20	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
3,3'-Dichlorobenzidine	<0.055		0.20	0.055	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2,4-Dichlorophenol	<0.093		0.39	0.093	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Diethyl phthalate	<0.066		0.20	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2,4-Dimethylphenol	<0.15		0.39	0.15	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Dimethyl phthalate	<0.051		0.20	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Di-n-butyl phthalate	<0.060		0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
4,6-Dinitro-2-methylphenol	<0.31		0.79	0.31	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2,4-Dinitrophenol	<0.69		0.79	0.69	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2,4-Dinitrotoluene	<0.062		0.20	0.062	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2,6-Dinitrotoluene	<0.077		0.20	0.077	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Di-n-octyl phthalate	<0.064		0.20	0.064	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Fluoranthene	0.028	J	0.039	0.0072	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Fluorene	<0.0055		0.039	0.0055	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Hexachlorobenzene	<0.0091		0.079	0.0091	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Hexachlorobutadiene	<0.061		0.20	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Hexachlorocyclopentadiene	<0.22		0.79	0.22	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Hexachloroethane	<0.059		0.20	0.059	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Indeno[1,2,3-cd]pyrene	<0.010		0.039	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Isophorone	<0.044		0.20	0.044	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2-Methylnaphthalene	<0.0072	*	0.079	0.0072	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2-Methylphenol	<0.063		0.20	0.063	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
3 & 4 Methylphenol	<0.065		0.20	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Naphthalene	<0.0060		0.039	0.0060	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2-Nitroaniline	<0.053		0.20	0.053	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
3-Nitroaniline	<0.12		0.39	0.12	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
4-Nitroaniline	<0.16		0.39	0.16	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Nitrobenzene	<0.0098		0.039	0.0098	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2-Nitrophenol	<0.092		0.39	0.092	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B04 (0-5)

Lab Sample ID: 500-169087-5

Date Collected: 08/27/19 13:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.37		0.79	0.37	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
N-Nitrosodi-n-propylamine	<0.048		0.079	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
N-Nitrosodiphenylamine	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2,2'-oxybis[1-chloropropane]	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Pentachlorophenol	<0.63		0.79	0.63	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Phenanthrene	<0.0054		0.039	0.0054	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Phenol	<0.087		0.20	0.087	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
Pyrene	0.032	J	0.039	0.0078	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
1,2,4-Trichlorobenzene	<0.042		0.20	0.042	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2,4,5-Trichlorophenol	<0.089		0.39	0.089	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1
2,4,6-Trichlorophenol	<0.13		0.39	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	97		43 - 145	09/06/19 08:24	09/09/19 17:35	1
2-Fluorophenol	108		31 - 166	09/06/19 08:24	09/09/19 17:35	1
Nitrobenzene-d5	78		37 - 147	09/06/19 08:24	09/09/19 17:35	1
Phenol-d5	95		30 - 153	09/06/19 08:24	09/09/19 17:35	1
Terphenyl-d14	143		42 - 157	09/06/19 08:24	09/09/19 17:35	1
2,4,6-Tribromophenol	87		31 - 143	09/06/19 08:24	09/09/19 17:35	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.22		1.1	0.22	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Arsenic	9.7		0.57	0.20	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Barium	70		0.57	0.065	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Beryllium	0.85		0.23	0.054	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Cadmium	0.19	B	0.11	0.021	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Chromium	20		0.57	0.28	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Cobalt	16		0.29	0.075	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Copper	28		0.57	0.16	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Iron	25000		11	6.0	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Lead	17		0.29	0.13	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Magnesium	12000		5.7	2.8	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Calcium	21000		11	1.9	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Manganese	420		0.57	0.083	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Nickel	37		0.57	0.17	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Selenium	<0.34		0.57	0.34	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Silver	3.4		0.29	0.074	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Thallium	1.2		0.57	0.29	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Vanadium	28		0.29	0.068	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Zinc	74		1.1	0.50	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Potassium	2600		29	10	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1
Sodium	1100		57	8.5	mg/Kg	☼	09/03/19 17:50	09/05/19 05:08	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 20:07	1
Barium	0.34	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 20:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 20:07	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 20:07	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B04 (0-5)

Lab Sample ID: 500-169087-5

Date Collected: 08/27/19 13:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	890		25	2.5	mg/L		09/09/19 08:14	09/10/19 10:55	5
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:07	1
Cobalt	0.020	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:07	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:07	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:14	09/09/19 20:07	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/10/19 10:51	1
Magnesium	160		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 20:07	1
Manganese	4.9		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:07	1
Nickel	0.024	J	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:07	1
Potassium	0.80	J	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 20:07	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:14	09/09/19 20:07	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:07	1
Vanadium	<0.010	[^]	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 20:07	1
Zinc	0.026	J B	0.50	0.020	mg/L		09/09/19 08:14	09/09/19 20:07	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.056		0.050	0.010	mg/L		09/09/19 08:12	09/09/19 22:20	1
Barium	0.74		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 22:20	1
Beryllium	0.0082		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 22:20	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 22:20	1
Calcium	34		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 22:20	1
Chromium	0.18		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:20	1
Cobalt	0.047		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:20	1
Copper	0.16		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:20	1
Iron	170		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 22:20	1
Lead	0.12		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 22:20	1
Magnesium	41		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:20	1
Manganese	0.78		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:20	1
Nickel	0.16		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:20	1
Potassium	56		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:20	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 22:20	1
Silver	0.014	J	0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:20	1
Vanadium	0.28		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:20	1
Zinc	0.72		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 22:20	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 22:20	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 22:20	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/09/19 23:52	1
Thallium	0.0037		0.0020	0.0020	mg/L		09/09/19 08:12	09/09/19 23:52	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00025		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 12:37	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B04 (0-5)

Lab Sample ID: 500-169087-5

Date Collected: 08/27/19 13:50

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 84.1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 12:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.017	0.0058	mg/Kg	☼	09/04/19 11:20	09/05/19 07:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.25		0.49	0.25	mg/Kg	☼	09/06/19 13:35	09/06/19 16:22	1
pH	8.4		0.2	0.2	SU			09/03/19 19:20	1



Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B06 (0-5)

Lab Sample ID: 500-169087-9

Date Collected: 08/27/19 13:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.018	0.0080	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Benzene	<0.00047		0.0018	0.00047	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Bromodichloromethane	<0.00038		0.0018	0.00038	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Bromoform	<0.00054		0.0018	0.00054	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Bromomethane	<0.0017		0.0046	0.0017	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
2-Butanone (MEK)	<0.0020		0.0046	0.0020	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Carbon disulfide	<0.00096		0.0046	0.00096	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Carbon tetrachloride	<0.00053		0.0018	0.00053	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Chlorobenzene	<0.00068		0.0018	0.00068	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Chloroethane	<0.0014	*	0.0046	0.0014	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Chloroform	<0.00064		0.0018	0.00064	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Chloromethane	<0.0019		0.0046	0.0019	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
cis-1,2-Dichloroethene	<0.00052		0.0018	0.00052	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
cis-1,3-Dichloropropene	<0.00056		0.0018	0.00056	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Dibromochloromethane	<0.00060		0.0018	0.00060	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
1,1-Dichloroethane	<0.00063		0.0018	0.00063	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
1,2-Dichloroethane	<0.0014		0.0046	0.0014	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
1,1-Dichloroethene	<0.00063		0.0018	0.00063	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
1,2-Dichloropropane	<0.00048		0.0018	0.00048	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
1,3-Dichloropropane, Total	<0.00065		0.0018	0.00065	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Ethylbenzene	<0.00088		0.0018	0.00088	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
2-Hexanone	<0.0014		0.0046	0.0014	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Methylene Chloride	<0.0018		0.0046	0.0018	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0046	0.0014	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Methyl tert-butyl ether	<0.00054		0.0018	0.00054	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Styrene	<0.00056		0.0018	0.00056	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
1,1,2,2-Tetrachloroethane	<0.00059		0.0018	0.00059	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Tetrachloroethene	<0.00063		0.0018	0.00063	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Toluene	<0.00047		0.0018	0.00047	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
trans-1,2-Dichloroethene	<0.00082		0.0018	0.00082	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
trans-1,3-Dichloropropene	<0.00065		0.0018	0.00065	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
1,1,1-Trichloroethane	<0.00062		0.0018	0.00062	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
1,1,2-Trichloroethane	<0.00079		0.0018	0.00079	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Trichloroethene	<0.00062		0.0018	0.00062	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Vinyl acetate	<0.0016		0.0046	0.0016	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Vinyl chloride	<0.00082		0.0018	0.00082	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1
Xylenes, Total	<0.00059		0.0037	0.00059	mg/Kg	☼	08/27/19 17:07	09/06/19 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	08/27/19 17:07	09/06/19 14:07	1
Dibromofluoromethane	99		75 - 126	08/27/19 17:07	09/06/19 14:07	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	08/27/19 17:07	09/06/19 14:07	1
Toluene-d8 (Surr)	97		75 - 124	08/27/19 17:07	09/06/19 14:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0070		0.038	0.0070	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Acenaphthylene	<0.0051		0.038	0.0051	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Anthracene	<0.0065		0.038	0.0065	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Benzo[a]anthracene	<0.0052		0.038	0.0052	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B06 (0-5)

Lab Sample ID: 500-169087-9

Date Collected: 08/27/19 13:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0075		0.038	0.0075	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Benzo[b]fluoranthene	<0.0084		0.038	0.0084	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Benzo[g,h,i]perylene	0.031	J	0.038	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Benzo[k]fluoranthene	<0.011		0.038	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Bis(2-chloroethoxy)methane	<0.039		0.19	0.039	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Bis(2-chloroethyl)ether	<0.058		0.19	0.058	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Bis(2-ethylhexyl) phthalate	<0.071		0.19	0.071	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
4-Bromophenyl phenyl ether	<0.051		0.19	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Butyl benzyl phthalate	<0.074		0.19	0.074	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Carbazole	<0.097		0.19	0.097	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
4-Chloroaniline	<0.18		0.78	0.18	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
4-Chloro-3-methylphenol	<0.13		0.38	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2-Chloronaphthalene	<0.043		0.19	0.043	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2-Chlorophenol	<0.066		0.19	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
4-Chlorophenyl phenyl ether	<0.045		0.19	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Chrysene	<0.011		0.038	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Dibenz(a,h)anthracene	<0.0075		0.038	0.0075	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Dibenzofuran	<0.045		0.19	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
1,2-Dichlorobenzene	<0.046		0.19	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
1,3-Dichlorobenzene	<0.044		0.19	0.044	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
1,4-Dichlorobenzene	<0.050		0.19	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
3,3'-Dichlorobenzidine	<0.054		0.19	0.054	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2,4-Dichlorophenol	<0.092		0.38	0.092	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Diethyl phthalate	<0.066		0.19	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2,4-Dimethylphenol	<0.15		0.38	0.15	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Dimethyl phthalate	<0.051		0.19	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Di-n-butyl phthalate	<0.059		0.19	0.059	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
4,6-Dinitro-2-methylphenol	<0.31		0.78	0.31	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2,4-Dinitrophenol	<0.68		0.78	0.68	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2,4-Dinitrotoluene	<0.061		0.19	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2,6-Dinitrotoluene	<0.076		0.19	0.076	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Di-n-octyl phthalate	<0.063		0.19	0.063	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Fluoranthene	<0.0072		0.038	0.0072	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Fluorene	<0.0054		0.038	0.0054	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Hexachlorobenzene	<0.0090		0.078	0.0090	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Hexachlorobutadiene	<0.061		0.19	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Hexachlorocyclopentadiene	<0.22		0.78	0.22	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Hexachloroethane	<0.059		0.19	0.059	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Indeno[1,2,3-cd]pyrene	<0.010		0.038	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Isophorone	<0.043		0.19	0.043	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2-Methylnaphthalene	<0.0071	*	0.078	0.0071	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2-Methylphenol	<0.062		0.19	0.062	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
3 & 4 Methylphenol	<0.065		0.19	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Naphthalene	<0.0060		0.038	0.0060	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2-Nitroaniline	<0.052		0.19	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
3-Nitroaniline	<0.12		0.38	0.12	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
4-Nitroaniline	<0.16		0.38	0.16	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Nitrobenzene	<0.0097		0.038	0.0097	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2-Nitrophenol	<0.091		0.38	0.091	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B06 (0-5)

Lab Sample ID: 500-169087-9

Date Collected: 08/27/19 13:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.37		0.78	0.37	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
N-Nitrosodi-n-propylamine	<0.047		0.078	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
N-Nitrosodiphenylamine	<0.046		0.19	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2,2'-oxybis[1-chloropropane]	<0.045		0.19	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Pentachlorophenol	<0.62		0.78	0.62	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Phenanthrene	<0.0054		0.038	0.0054	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Phenol	<0.086		0.19	0.086	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
Pyrene	<0.0077		0.038	0.0077	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
1,2,4-Trichlorobenzene	<0.042		0.19	0.042	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2,4,5-Trichlorophenol	<0.088		0.38	0.088	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1
2,4,6-Trichlorophenol	<0.13		0.38	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	63		43 - 145	09/06/19 08:24	09/09/19 19:25	1
2-Fluorophenol	87		31 - 166	09/06/19 08:24	09/09/19 19:25	1
Nitrobenzene-d5	55		37 - 147	09/06/19 08:24	09/09/19 19:25	1
Phenol-d5	75		30 - 153	09/06/19 08:24	09/09/19 19:25	1
Terphenyl-d14	127		42 - 157	09/06/19 08:24	09/09/19 19:25	1
2,4,6-Tribromophenol	58		31 - 143	09/06/19 08:24	09/09/19 19:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.22		1.1	0.22	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Arsenic	7.8		0.56	0.19	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Barium	81		0.56	0.064	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Beryllium	0.72		0.22	0.052	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Cadmium	0.29	B	0.11	0.020	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Chromium	16		0.56	0.28	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Cobalt	10		0.28	0.073	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Copper	21		0.56	0.16	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Iron	19000		11	5.8	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Lead	15		0.28	0.13	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Magnesium	21000		5.6	2.8	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Calcium	47000		56	9.5	mg/Kg	☼	09/03/19 17:50	09/05/19 15:44	5
Manganese	360		0.56	0.081	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Nickel	25		0.56	0.16	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Selenium	<0.33		0.56	0.33	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Silver	3.0		0.28	0.072	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Thallium	0.83		0.56	0.28	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Vanadium	24		0.28	0.066	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Zinc	68		1.1	0.49	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Potassium	2000		28	9.9	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1
Sodium	1300		56	8.3	mg/Kg	☼	09/03/19 17:50	09/05/19 05:24	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:14	09/09/19 18:57	1
Barium	0.48	J	0.50	0.050	mg/L		09/09/19 08:14	09/09/19 18:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:14	09/09/19 18:57	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:14	09/09/19 18:57	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B06 (0-5)

Lab Sample ID: 500-169087-9

Date Collected: 08/27/19 13:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	380		5.0	0.50	mg/L		09/09/19 08:14	09/09/19 18:57	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:57	1
Cobalt	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:57	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:57	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:14	09/09/19 18:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:14	09/09/19 18:57	1
Magnesium	110		2.5	0.50	mg/L		09/09/19 08:14	09/09/19 18:57	1
Manganese	4.0		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:57	1
Nickel	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:57	1
Potassium	2.4	J F1	2.5	0.50	mg/L		09/09/19 08:14	09/09/19 18:57	1
Selenium	<0.020	F1	0.050	0.020	mg/L		09/09/19 08:14	09/09/19 18:57	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:57	1
Vanadium	<0.010	^	0.025	0.010	mg/L		09/09/19 08:14	09/09/19 18:57	1
Zinc	0.022	J B	0.50	0.020	mg/L		09/09/19 08:14	09/09/19 18:57	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.075		0.050	0.010	mg/L		09/09/19 08:12	09/09/19 22:44	1
Barium	1.2		0.50	0.050	mg/L		09/09/19 08:12	09/09/19 22:44	1
Beryllium	0.012		0.0040	0.0040	mg/L		09/09/19 08:12	09/09/19 22:44	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		09/09/19 08:12	09/09/19 22:44	1
Calcium	32		5.0	0.50	mg/L		09/09/19 08:12	09/09/19 22:44	1
Chromium	0.26		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:44	1
Cobalt	0.085		0.050	0.020	mg/L		09/09/19 08:12	09/10/19 11:48	2
Copper	0.24		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:44	1
Iron	260		0.40	0.20	mg/L		09/09/19 08:12	09/09/19 22:44	1
Lead	0.16		0.0075	0.0075	mg/L		09/09/19 08:12	09/09/19 22:44	1
Magnesium	51		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:44	1
Manganese	1.8		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:44	1
Nickel	0.24		0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:44	1
Potassium	83		2.5	0.50	mg/L		09/09/19 08:12	09/09/19 22:44	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:12	09/09/19 22:44	1
Silver	0.020	J	0.025	0.010	mg/L		09/09/19 08:12	09/09/19 22:44	1
Vanadium	0.29		0.050	0.020	mg/L		09/09/19 08:12	09/10/19 11:48	2
Zinc	1.6		0.50	0.020	mg/L		09/09/19 08:12	09/09/19 22:44	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:14	09/09/19 21:27	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:14	09/09/19 21:27	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:12	09/10/19 00:11	1
Thallium	0.0041		0.0020	0.0020	mg/L		09/09/19 08:12	09/10/19 00:11	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00039		0.00020	0.00020	mg/L		09/09/19 01:00	09/10/19 12:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Client Sample ID: 3132V-3-B06 (0-5)

Lab Sample ID: 500-169087-9

Date Collected: 08/27/19 13:40

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.0

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.019	0.0064	mg/Kg	☼	09/04/19 11:20	09/05/19 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.55	0.28	mg/Kg	☼	09/06/19 13:35	09/06/19 16:23	1
pH	8.6		0.2	0.2	SU			09/03/19 19:28	1



Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169087-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) Mike Fischer Bill To (optional) _____
 Contact: ED1 Contact: _____
 Company: ED1 Company: _____
 Address: 33 W. Monroe Address: _____
 Address: Chicago 60603 Address: _____
 Phone: 847-312-7670 Phone: _____
 Fax: _____ Fax: _____
 E-Mail: mfischer@envdot.com PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-169087
 Chain of Custody Number: _____
 Page 1 of 1
 Temperature °C of Cooler: 22.3, 17.3

Client		Client Project #		Preservative		Parameter		Matrix		500-169087 COC	Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		Containers		Matrix				Comments
Project Location/State		Lab PM		Date	Time	# of	Matrix					
<u>ED1</u>		<u>2031.001-01</u>										
<u>1005 PTB 174-009-W062</u>												
<u>Manhattan, IL</u>												
<u>B. Kinsella</u>												
Lab ID	MS/MSD	Sample ID	Date	Time	# of	Matrix	VOCs	SVOCs	THAL (NO3JAN10)	TCUP/SPLP (NO3JAN10)	Total Cyanide	pH
1		<u>3132V-3-B01 (0-5)</u>	<u>8-27-19</u>	<u>1255</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
2		<u>-B02 (0-5)</u>		<u>1310</u>								
3		<u>-B03 (0-5)</u>		<u>1330</u>								
4		<u>-B03 (5-10.5)</u>		<u>1335</u>								
5		<u>-B04 (0-5)</u>		<u>1350</u>								
6		<u>-B05 (0-5)</u>		<u>1405</u>								
7		<u>-B05 (0-5) DNP</u>		<u>1405</u>								
8		<u>-B05 (5-10.5)</u>		<u>1415</u>								
9		<u>-B06 (0-5)</u>		<u>1430</u>								

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other
 Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>MJA</u> Company: <u>ED1</u> Date: <u>8/27/19</u> Time: <u>1605</u>	Received By: <u>Phin Lewis</u> Company: <u>TA-CR</u> Date: <u>8/22/19</u> Time: <u>1605</u>	Lab Courier: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: <u>X</u>

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-169087-1

Login Number: 169087

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Buckley, Paula M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	True	
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	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	22.3, 17.3
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.	False	Refer to Job Narrative for details.
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-169147-1

Client Project/Site: IDOT - PTB 174-009 - WO 062

For:

Environmental Design International, Inc.
33 W. Monroe
Suite 1825
Chicago, Illinois 60603

Attn: Michael Fischer

Jodie Bracken

Authorized for release by:
9/12/2019 4:28:38 PM

Jodie Bracken, Project Management Assistant II
jodie.bracken@testamericainc.com

Designee for

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
1312	SPLP Extraction	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
9010B	Cyanide, Distillation	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B07 (0-5)

Lab Sample ID: 500-169147-1

Date Collected: 08/28/19 08:35

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 82.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0080		0.018	0.0080	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Benzene	<0.00047		0.0018	0.00047	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Bromodichloromethane	<0.00038		0.0018	0.00038	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Bromoform	<0.00054		0.0018	0.00054	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Bromomethane	<0.0017		0.0046	0.0017	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
2-Butanone (MEK)	<0.0021		0.0046	0.0021	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Carbon disulfide	<0.00096		0.0046	0.00096	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Carbon tetrachloride	<0.00054		0.0018	0.00054	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Chlorobenzene	<0.00068		0.0018	0.00068	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Chloroethane	<0.0014		0.0046	0.0014	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Chloroform	<0.00064		0.0018	0.00064	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Chloromethane	<0.0019		0.0046	0.0019	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
cis-1,2-Dichloroethene	<0.00052		0.0018	0.00052	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
cis-1,3-Dichloropropene	<0.00056		0.0018	0.00056	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Dibromochloromethane	<0.00060		0.0018	0.00060	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
1,1-Dichloroethane	<0.00063		0.0018	0.00063	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
1,2-Dichloroethane	<0.0014		0.0046	0.0014	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
1,1-Dichloroethene	<0.00064		0.0018	0.00064	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
1,2-Dichloropropane	<0.00048		0.0018	0.00048	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
1,3-Dichloropropane, Total	<0.00065		0.0018	0.00065	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Ethylbenzene	<0.00088		0.0018	0.00088	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
2-Hexanone	<0.0014		0.0046	0.0014	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Methylene Chloride	<0.0018		0.0046	0.0018	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0046	0.0014	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Methyl tert-butyl ether	<0.00054		0.0018	0.00054	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Styrene	<0.00056		0.0018	0.00056	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
1,1,2,2-Tetrachloroethane	<0.00059		0.0018	0.00059	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Tetrachloroethene	<0.00063		0.0018	0.00063	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Toluene	<0.00047		0.0018	0.00047	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
trans-1,2-Dichloroethene	<0.00082		0.0018	0.00082	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
trans-1,3-Dichloropropene	<0.00065		0.0018	0.00065	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
1,1,1-Trichloroethane	<0.00062		0.0018	0.00062	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
1,1,2-Trichloroethane	<0.00079		0.0018	0.00079	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Trichloroethene	<0.00062		0.0018	0.00062	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Vinyl acetate	<0.0016		0.0046	0.0016	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Vinyl chloride	<0.00082		0.0018	0.00082	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1
Xylenes, Total	<0.00059		0.0037	0.00059	mg/Kg	☼	08/28/19 17:55	09/06/19 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		75 - 131	08/28/19 17:55	09/06/19 02:02	1
Dibromofluoromethane	85		75 - 126	08/28/19 17:55	09/06/19 02:02	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	08/28/19 17:55	09/06/19 02:02	1
Toluene-d8 (Surr)	87		75 - 124	08/28/19 17:55	09/06/19 02:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0071		0.040	0.0071	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Acenaphthylene	<0.0052		0.040	0.0052	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Anthracene	<0.0066		0.040	0.0066	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Benzo[a]anthracene	<0.0054		0.040	0.0054	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B07 (0-5)

Lab Sample ID: 500-169147-1

Date Collected: 08/28/19 08:35

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 82.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0077		0.040	0.0077	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Benzo[b]fluoranthene	<0.0086		0.040	0.0086	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Benzo[g,h,i]perylene	<0.013		0.040	0.013	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Benzo[k]fluoranthene	<0.012		0.040	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Bis(2-chloroethoxy)methane	<0.041		0.20	0.041	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Bis(2-chloroethyl)ether	<0.060		0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Bis(2-ethylhexyl) phthalate	<0.073		0.20	0.073	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Butyl benzyl phthalate	<0.076		0.20	0.076	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Carbazole	<0.099		0.20	0.099	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
4-Chloroaniline	<0.19		0.80	0.19	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
4-Chloro-3-methylphenol	<0.14		0.40	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2-Chloronaphthalene	<0.044		0.20	0.044	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2-Chlorophenol	<0.068		0.20	0.068	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Chrysene	<0.011		0.040	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Dibenz(a,h)anthracene	<0.0077		0.040	0.0077	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Dibenzofuran	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
1,2-Dichlorobenzene	<0.048		0.20	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
1,3-Dichlorobenzene	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
1,4-Dichlorobenzene	<0.051		0.20	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
3,3'-Dichlorobenzidine	<0.056		0.20	0.056	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2,4-Dichlorophenol	<0.094		0.40	0.094	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Diethyl phthalate	<0.067		0.20	0.067	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2,4-Dimethylphenol	<0.15		0.40	0.15	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Dimethyl phthalate	<0.052		0.20	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Di-n-butyl phthalate	<0.061		0.20	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
4,6-Dinitro-2-methylphenol	<0.32		0.80	0.32	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2,4-Dinitrophenol	<0.70	F1	0.80	0.70	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2,4-Dinitrotoluene	<0.063		0.20	0.063	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2,6-Dinitrotoluene	<0.078		0.20	0.078	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Di-n-octyl phthalate	<0.065		0.20	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Fluoranthene	<0.0074		0.040	0.0074	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Fluorene	<0.0056		0.040	0.0056	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Hexachlorobenzene	<0.0092		0.080	0.0092	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Hexachlorobutadiene	<0.063		0.20	0.063	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Hexachlorocyclopentadiene	<0.23		0.80	0.23	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Hexachloroethane	<0.060	F1	0.20	0.060	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Indeno[1,2,3-cd]pyrene	<0.010		0.040	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Isophorone	<0.045		0.20	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2-Methylnaphthalene	<0.0073		0.080	0.0073	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2-Methylphenol	<0.064		0.20	0.064	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
3 & 4 Methylphenol	<0.066		0.20	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Naphthalene	<0.0061		0.040	0.0061	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2-Nitroaniline	<0.054		0.20	0.054	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
3-Nitroaniline	<0.12	F2	0.40	0.12	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
4-Nitroaniline	<0.17		0.40	0.17	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Nitrobenzene	<0.0099		0.040	0.0099	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2-Nitrophenol	<0.094		0.40	0.094	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B07 (0-5)

Lab Sample ID: 500-169147-1

Date Collected: 08/28/19 08:35

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 82.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.38		0.80	0.38	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
N-Nitrosodi-n-propylamine	<0.049		0.080	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
N-Nitrosodiphenylamine	<0.047		0.20	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2,2'-oxybis[1-chloropropane]	<0.046		0.20	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Pentachlorophenol	<0.64		0.80	0.64	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Phenanthrene	<0.0055		0.040	0.0055	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Phenol	<0.088		0.20	0.088	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
Pyrene	<0.0079		0.040	0.0079	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
1,2,4-Trichlorobenzene	<0.043		0.20	0.043	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2,4,5-Trichlorophenol	<0.091		0.40	0.091	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1
2,4,6-Trichlorophenol	<0.14		0.40	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		43 - 145	09/06/19 08:24	09/09/19 23:39	1
2-Fluorophenol	84		31 - 166	09/06/19 08:24	09/09/19 23:39	1
Nitrobenzene-d5	75		37 - 147	09/06/19 08:24	09/09/19 23:39	1
Phenol-d5	85		30 - 153	09/06/19 08:24	09/09/19 23:39	1
Terphenyl-d14	108		42 - 157	09/06/19 08:24	09/09/19 23:39	1
2,4,6-Tribromophenol	81		31 - 143	09/06/19 08:24	09/09/19 23:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.22		1.2	0.22	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Arsenic	10		0.58	0.20	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Barium	74		0.58	0.066	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Beryllium	0.80		0.23	0.054	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Cadmium	0.29	B	0.12	0.021	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Chromium	19		0.58	0.29	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Cobalt	14		0.29	0.076	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Copper	26	B	0.58	0.16	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Iron	23000		12	6.0	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Lead	16		0.29	0.13	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Magnesium	14000		5.8	2.9	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Calcium	23000	B	12	2.0	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Manganese	510		0.58	0.084	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Nickel	34		0.58	0.17	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Selenium	<0.34		0.58	0.34	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Silver	3.8		0.29	0.075	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Thallium	1.2		0.58	0.29	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Vanadium	29		0.29	0.068	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Zinc	73		1.2	0.51	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Potassium	2900		29	10	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1
Sodium	450		58	8.6	mg/Kg	☼	09/04/19 17:20	09/05/19 10:01	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/11/19 07:59	09/11/19 17:53	1
Barium	0.37	J	0.50	0.050	mg/L		09/11/19 07:59	09/11/19 17:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/11/19 07:59	09/11/19 17:53	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/11/19 07:59	09/11/19 17:53	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B07 (0-5)

Lab Sample ID: 500-169147-1

Date Collected: 08/28/19 08:35

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	530		5.0	0.50	mg/L		09/11/19 07:59	09/11/19 17:53	1
Chromium	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:53	1
Cobalt	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:53	1
Copper	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:53	1
Iron	<0.20		0.40	0.20	mg/L		09/11/19 07:59	09/11/19 17:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/11/19 07:59	09/11/19 17:53	1
Magnesium	47		2.5	0.50	mg/L		09/11/19 07:59	09/11/19 17:53	1
Manganese	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:53	1
Nickel	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:53	1
Potassium	0.87	J	2.5	0.50	mg/L		09/11/19 07:59	09/11/19 17:53	1
Selenium	<0.020		0.050	0.020	mg/L		09/11/19 07:59	09/11/19 17:53	1
Silver	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:53	1
Vanadium	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:53	1
Zinc	0.52		0.50	0.020	mg/L		09/11/19 07:59	09/11/19 17:53	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		09/10/19 07:27	09/10/19 17:19	1
Barium	0.27	J	0.50	0.050	mg/L		09/10/19 07:27	09/10/19 17:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/10/19 07:27	09/10/19 17:19	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/10/19 07:27	09/10/19 17:19	1
Calcium	14		5.0	0.50	mg/L		09/10/19 07:27	09/10/19 17:19	1
Chromium	0.067		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:19	1
Cobalt	<0.010		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:19	1
Copper	0.051		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:19	1
Iron	59		0.40	0.20	mg/L		09/10/19 07:27	09/10/19 17:19	1
Lead	0.060		0.0075	0.0075	mg/L		09/10/19 07:27	09/10/19 17:19	1
Magnesium	14		2.5	0.50	mg/L		09/10/19 07:27	09/10/19 17:19	1
Manganese	0.22		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:19	1
Nickel	0.048		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:19	1
Potassium	21		2.5	0.50	mg/L		09/10/19 07:27	09/10/19 17:19	1
Selenium	<0.020		0.050	0.020	mg/L		09/10/19 07:27	09/10/19 17:19	1
Silver	<0.010		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:19	1
Vanadium	0.10		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:19	1
Zinc	0.18	J	0.50	0.020	mg/L		09/10/19 07:27	09/10/19 17:19	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/11/19 07:59	09/11/19 21:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/11/19 07:59	09/11/19 21:44	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/10/19 07:27	09/10/19 17:07	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/10/19 07:27	09/10/19 17:07	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/10/19 12:25	09/11/19 12:44	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B07 (0-5)

Lab Sample ID: 500-169147-1

Date Collected: 08/28/19 08:35

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 82.4

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/11/19 15:00	09/12/19 09:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0063		0.019	0.0063	mg/Kg	☼	09/05/19 13:05	09/06/19 08:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.21		0.42	0.21	mg/Kg	☼	09/10/19 10:15	09/10/19 15:30	1
pH	8.4		0.2	0.2	SU			09/04/19 16:26	1



Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B08 (0-5)

Lab Sample ID: 500-169147-2

Date Collected: 08/28/19 08:50

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 76.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0087		0.020	0.0087	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Benzene	<0.00051		0.0020	0.00051	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Bromodichloromethane	<0.00041		0.0020	0.00041	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Bromoform	<0.00058		0.0020	0.00058	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Bromomethane	<0.0019		0.0050	0.0019	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
2-Butanone (MEK)	<0.0022		0.0050	0.0022	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Carbon disulfide	<0.0010		0.0050	0.0010	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Carbon tetrachloride	<0.00058		0.0020	0.00058	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Chlorobenzene	<0.00073		0.0020	0.00073	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Chloroethane	<0.0015		0.0050	0.0015	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Chloroform	<0.00069		0.0020	0.00069	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Chloromethane	<0.0020		0.0050	0.0020	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
cis-1,2-Dichloroethene	<0.00056		0.0020	0.00056	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
cis-1,3-Dichloropropene	<0.00060		0.0020	0.00060	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Dibromochloromethane	<0.00065		0.0020	0.00065	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
1,1-Dichloroethane	<0.00068		0.0020	0.00068	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
1,2-Dichloroethane	<0.0016		0.0050	0.0016	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
1,1-Dichloroethene	<0.00068		0.0020	0.00068	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
1,2-Dichloropropane	<0.00051		0.0020	0.00051	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
1,3-Dichloropropene, Total	<0.00070		0.0020	0.00070	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Ethylbenzene	<0.00095		0.0020	0.00095	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
2-Hexanone	<0.0016		0.0050	0.0016	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Methylene Chloride	<0.0020		0.0050	0.0020	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
4-Methyl-2-pentanone (MIBK)	<0.0015		0.0050	0.0015	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Methyl tert-butyl ether	<0.00058		0.0020	0.00058	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Styrene	<0.00060		0.0020	0.00060	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
1,1,2,2-Tetrachloroethane	<0.00064		0.0020	0.00064	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Tetrachloroethene	<0.00068		0.0020	0.00068	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Toluene	<0.00050		0.0020	0.00050	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
trans-1,2-Dichloroethene	<0.00088		0.0020	0.00088	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
trans-1,3-Dichloropropene	<0.00070		0.0020	0.00070	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
1,1,1-Trichloroethane	<0.00067		0.0020	0.00067	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
1,1,2-Trichloroethane	<0.00085		0.0020	0.00085	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Trichloroethene	<0.00067		0.0020	0.00067	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Vinyl acetate	<0.0017		0.0050	0.0017	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Vinyl chloride	<0.00088		0.0020	0.00088	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1
Xylenes, Total	<0.00064		0.0040	0.00064	mg/Kg	☼	08/28/19 17:55	09/06/19 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	08/28/19 17:55	09/06/19 02:28	1
Dibromofluoromethane	87		75 - 126	08/28/19 17:55	09/06/19 02:28	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	08/28/19 17:55	09/06/19 02:28	1
Toluene-d8 (Surr)	86		75 - 124	08/28/19 17:55	09/06/19 02:28	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0076		0.042	0.0076	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Acenaphthylene	<0.0055		0.042	0.0055	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Anthracene	<0.0070		0.042	0.0070	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Benzo[a]anthracene	<0.0057		0.042	0.0057	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B08 (0-5)

Lab Sample ID: 500-169147-2

Date Collected: 08/28/19 08:50

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 76.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0081		0.042	0.0081	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Benzo[b]fluoranthene	<0.0091		0.042	0.0091	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Benzo[g,h,i]perylene	<0.014		0.042	0.014	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Benzo[k]fluoranthene	<0.012		0.042	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Bis(2-chloroethoxy)methane	<0.043		0.21	0.043	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Bis(2-chloroethyl)ether	<0.063		0.21	0.063	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Bis(2-ethylhexyl) phthalate	<0.077		0.21	0.077	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
4-Bromophenyl phenyl ether	<0.055		0.21	0.055	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Butyl benzyl phthalate	<0.080		0.21	0.080	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Carbazole	<0.11		0.21	0.11	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
4-Chloroaniline	<0.20		0.85	0.20	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
4-Chloro-3-methylphenol	<0.14		0.42	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2-Chloronaphthalene	<0.046		0.21	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2-Chlorophenol	<0.072		0.21	0.072	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
4-Chlorophenyl phenyl ether	<0.049		0.21	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Chrysene	<0.011		0.042	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Dibenz(a,h)anthracene	<0.0081		0.042	0.0081	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Dibenzofuran	<0.049		0.21	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
1,2-Dichlorobenzene	<0.050		0.21	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
1,3-Dichlorobenzene	<0.047		0.21	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
1,4-Dichlorobenzene	<0.054		0.21	0.054	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
3,3'-Dichlorobenzidine	<0.059		0.21	0.059	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2,4-Dichlorophenol	<0.10		0.42	0.10	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Diethyl phthalate	<0.071		0.21	0.071	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2,4-Dimethylphenol	<0.16		0.42	0.16	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Dimethyl phthalate	<0.055		0.21	0.055	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Di-n-butyl phthalate	<0.064		0.21	0.064	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
4,6-Dinitro-2-methylphenol	<0.34		0.85	0.34	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2,4-Dinitrophenol	<0.74		0.85	0.74	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2,4-Dinitrotoluene	<0.067		0.21	0.067	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2,6-Dinitrotoluene	<0.083		0.21	0.083	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Di-n-octyl phthalate	<0.069		0.21	0.069	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Fluoranthene	<0.0078		0.042	0.0078	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Fluorene	<0.0059		0.042	0.0059	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Hexachlorobenzene	<0.0097		0.085	0.0097	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Hexachlorobutadiene	<0.066		0.21	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Hexachlorocyclopentadiene	<0.24		0.85	0.24	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Hexachloroethane	<0.064		0.21	0.064	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Indeno[1,2,3-cd]pyrene	<0.011		0.042	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Isophorone	<0.047		0.21	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2-Methylnaphthalene	<0.0077		0.085	0.0077	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2-Methylphenol	<0.067		0.21	0.067	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
3 & 4 Methylphenol	<0.070		0.21	0.070	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Naphthalene	<0.0065		0.042	0.0065	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2-Nitroaniline	<0.057		0.21	0.057	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
3-Nitroaniline	<0.13		0.42	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
4-Nitroaniline	<0.18		0.42	0.18	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Nitrobenzene	<0.010		0.042	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2-Nitrophenol	<0.099		0.42	0.099	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B08 (0-5)

Lab Sample ID: 500-169147-2

Date Collected: 08/28/19 08:50

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 76.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.40		0.85	0.40	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
N-Nitrosodi-n-propylamine	<0.051		0.085	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
N-Nitrosodiphenylamine	<0.050		0.21	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2,2'-oxybis[1-chloropropane]	<0.049		0.21	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Pentachlorophenol	<0.67		0.85	0.67	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Phenanthrene	<0.0059		0.042	0.0059	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Phenol	<0.093		0.21	0.093	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
Pyrene	<0.0084		0.042	0.0084	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
1,2,4-Trichlorobenzene	<0.045		0.21	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2,4,5-Trichlorophenol	<0.096		0.42	0.096	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1
2,4,6-Trichlorophenol	<0.14		0.42	0.14	mg/Kg	☼	09/06/19 08:24	09/09/19 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		43 - 145	09/06/19 08:24	09/09/19 21:14	1
2-Fluorophenol	90		31 - 166	09/06/19 08:24	09/09/19 21:14	1
Nitrobenzene-d5	59		37 - 147	09/06/19 08:24	09/09/19 21:14	1
Phenol-d5	79		30 - 153	09/06/19 08:24	09/09/19 21:14	1
Terphenyl-d14	153		42 - 157	09/06/19 08:24	09/09/19 21:14	1
2,4,6-Tribromophenol	77		31 - 143	09/06/19 08:24	09/09/19 21:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.31	J	1.3	0.25	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Arsenic	7.3		0.65	0.22	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Barium	110		0.65	0.074	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Beryllium	0.81		0.26	0.061	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Cadmium	0.34	B	0.13	0.023	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Chromium	20		0.65	0.32	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Cobalt	11		0.33	0.085	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Copper	21	B	0.65	0.18	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Iron	20000		13	6.8	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Lead	18		0.33	0.15	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Magnesium	6600		6.5	3.2	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Calcium	8300	B	13	2.2	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Manganese	420		0.65	0.095	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Nickel	27		0.65	0.19	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Selenium	0.61	J	0.65	0.38	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Silver	4.3		0.33	0.084	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Thallium	1.0		0.65	0.33	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Vanadium	30		0.33	0.077	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Zinc	76		1.3	0.57	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Potassium	2500		33	12	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1
Sodium	230		65	9.7	mg/Kg	☼	09/04/19 17:20	09/05/19 10:05	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/11/19 07:59	09/11/19 17:57	1
Barium	0.36	J	0.50	0.050	mg/L		09/11/19 07:59	09/11/19 17:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/11/19 07:59	09/11/19 17:57	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/11/19 07:59	09/11/19 17:57	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B08 (0-5)

Lab Sample ID: 500-169147-2

Date Collected: 08/28/19 08:50

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	240		5.0	0.50	mg/L		09/11/19 07:59	09/11/19 17:57	1
Chromium	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:57	1
Cobalt	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:57	1
Copper	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:57	1
Iron	<0.20		0.40	0.20	mg/L		09/11/19 07:59	09/11/19 17:57	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/11/19 07:59	09/11/19 17:57	1
Magnesium	130		2.5	0.50	mg/L		09/11/19 07:59	09/11/19 17:57	1
Manganese	0.22		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:57	1
Nickel	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:57	1
Potassium	1.1	J	2.5	0.50	mg/L		09/11/19 07:59	09/11/19 17:57	1
Selenium	<0.020		0.050	0.020	mg/L		09/11/19 07:59	09/11/19 17:57	1
Silver	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:57	1
Vanadium	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 17:57	1
Zinc	<0.020		0.50	0.020	mg/L		09/11/19 07:59	09/11/19 17:57	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	J	0.050	0.010	mg/L		09/10/19 07:27	09/10/19 17:23	1
Barium	0.48	J	0.50	0.050	mg/L		09/10/19 07:27	09/10/19 17:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/10/19 07:27	09/10/19 17:23	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/10/19 07:27	09/10/19 17:23	1
Calcium	16		5.0	0.50	mg/L		09/10/19 07:27	09/10/19 17:23	1
Chromium	0.098		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:23	1
Cobalt	<0.010		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:23	1
Copper	0.060		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:23	1
Iron	80		0.40	0.20	mg/L		09/10/19 07:27	09/10/19 17:23	1
Lead	0.086		0.0075	0.0075	mg/L		09/10/19 07:27	09/10/19 17:23	1
Magnesium	19		2.5	0.50	mg/L		09/10/19 07:27	09/10/19 17:23	1
Manganese	0.35		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:23	1
Nickel	0.065		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:23	1
Potassium	23		2.5	0.50	mg/L		09/10/19 07:27	09/10/19 17:23	1
Selenium	<0.020		0.050	0.020	mg/L		09/10/19 07:27	09/10/19 17:23	1
Silver	<0.010		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:23	1
Vanadium	0.15		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:23	1
Zinc	0.24	J	0.50	0.020	mg/L		09/10/19 07:27	09/10/19 17:23	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/11/19 07:59	09/11/19 21:48	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/11/19 07:59	09/11/19 21:48	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/10/19 07:27	09/10/19 17:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/10/19 07:27	09/10/19 17:11	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/10/19 12:25	09/11/19 12:45	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B08 (0-5)

Lab Sample ID: 500-169147-2

Date Collected: 08/28/19 08:50

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 76.3

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/11/19 15:00	09/12/19 09:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0098	J	0.020	0.0066	mg/Kg	☼	09/05/19 13:05	09/06/19 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.27		0.54	0.27	mg/Kg	☼	09/10/19 10:15	09/10/19 15:30	1
pH	7.8		0.2	0.2	SU			09/04/19 16:27	1



Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B09 (0-5)

Lab Sample ID: 500-169147-3

Date Collected: 08/28/19 09:05

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 75.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0091		0.021	0.0091	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Benzene	<0.00053		0.0021	0.00053	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Bromodichloromethane	<0.00043		0.0021	0.00043	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Bromoform	<0.00061		0.0021	0.00061	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Bromomethane	<0.0020		0.0052	0.0020	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
2-Butanone (MEK)	<0.0023		0.0052	0.0023	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Carbon disulfide	<0.0011		0.0052	0.0011	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Carbon tetrachloride	<0.00061		0.0021	0.00061	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Chlorobenzene	<0.00077		0.0021	0.00077	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Chloroethane	<0.0015		0.0052	0.0015	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Chloroform	<0.00072		0.0021	0.00072	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Chloromethane	<0.0021		0.0052	0.0021	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
cis-1,2-Dichloroethene	<0.00058		0.0021	0.00058	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
cis-1,3-Dichloropropene	<0.00063		0.0021	0.00063	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Dibromochloromethane	<0.00068		0.0021	0.00068	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
1,1-Dichloroethane	<0.00072		0.0021	0.00072	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
1,2-Dichloroethane	<0.0016		0.0052	0.0016	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
1,1-Dichloroethene	<0.00072		0.0021	0.00072	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
1,2-Dichloropropane	<0.00054		0.0021	0.00054	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
1,3-Dichloropropane, Total	<0.00073		0.0021	0.00073	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Ethylbenzene	<0.0010		0.0021	0.0010	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
2-Hexanone	<0.0016		0.0052	0.0016	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Methylene Chloride	<0.0021		0.0052	0.0021	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
4-Methyl-2-pentanone (MIBK)	<0.0015		0.0052	0.0015	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Methyl tert-butyl ether	<0.00061		0.0021	0.00061	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Styrene	<0.00063		0.0021	0.00063	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
1,1,2,2-Tetrachloroethane	<0.00067		0.0021	0.00067	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Tetrachloroethene	<0.00071		0.0021	0.00071	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Toluene	<0.00053		0.0021	0.00053	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
trans-1,2-Dichloroethene	<0.00093		0.0021	0.00093	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
trans-1,3-Dichloropropene	<0.00073		0.0021	0.00073	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
1,1,1-Trichloroethane	<0.00070		0.0021	0.00070	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
1,1,2-Trichloroethane	<0.00090		0.0021	0.00090	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Trichloroethene	<0.00071		0.0021	0.00071	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Vinyl acetate	<0.0018		0.0052	0.0018	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Vinyl chloride	<0.00092		0.0021	0.00092	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1
Xylenes, Total	<0.00067		0.0042	0.00067	mg/Kg	☼	08/28/19 17:55	09/06/19 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		75 - 131	08/28/19 17:55	09/06/19 02:53	1
Dibromofluoromethane	87		75 - 126	08/28/19 17:55	09/06/19 02:53	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	08/28/19 17:55	09/06/19 02:53	1
Toluene-d8 (Surr)	85		75 - 124	08/28/19 17:55	09/06/19 02:53	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0078		0.043	0.0078	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Acenaphthylene	<0.0057		0.043	0.0057	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Anthracene	<0.0072		0.043	0.0072	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Benzo[a]anthracene	<0.0058		0.043	0.0058	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B09 (0-5)

Lab Sample ID: 500-169147-3

Date Collected: 08/28/19 09:05

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 75.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0084		0.043	0.0084	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Benzo[b]fluoranthene	<0.0094		0.043	0.0094	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Benzo[g,h,i]perylene	<0.014		0.043	0.014	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Benzo[k]fluoranthene	<0.013		0.043	0.013	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Bis(2-chloroethoxy)methane	<0.044		0.22	0.044	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Bis(2-chloroethyl)ether	<0.065		0.22	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Bis(2-ethylhexyl) phthalate	<0.079		0.22	0.079	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
4-Bromophenyl phenyl ether	<0.057		0.22	0.057	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Butyl benzyl phthalate	<0.082		0.22	0.082	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Carbazole	<0.11		0.22	0.11	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
4-Chloroaniline	<0.20		0.87	0.20	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
4-Chloro-3-methylphenol	<0.15		0.43	0.15	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2-Chloronaphthalene	<0.048		0.22	0.048	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2-Chlorophenol	<0.074		0.22	0.074	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
4-Chlorophenyl phenyl ether	<0.051		0.22	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Chrysene	<0.012		0.043	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Dibenz(a,h)anthracene	<0.0084		0.043	0.0084	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Dibenzofuran	<0.051		0.22	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
1,2-Dichlorobenzene	<0.052		0.22	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
1,3-Dichlorobenzene	<0.049		0.22	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
1,4-Dichlorobenzene	<0.056		0.22	0.056	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
3,3'-Dichlorobenzidine	<0.061		0.22	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2,4-Dichlorophenol	<0.10		0.43	0.10	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Diethyl phthalate	<0.073		0.22	0.073	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2,4-Dimethylphenol	<0.16		0.43	0.16	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Dimethyl phthalate	<0.057		0.22	0.057	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Di-n-butyl phthalate	<0.066		0.22	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
4,6-Dinitro-2-methylphenol	<0.35		0.87	0.35	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2,4-Dinitrophenol	<0.76		0.87	0.76	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2,4-Dinitrotoluene	<0.069		0.22	0.069	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2,6-Dinitrotoluene	<0.085		0.22	0.085	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Di-n-octyl phthalate	<0.071		0.22	0.071	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Fluoranthene	<0.0080		0.043	0.0080	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Fluorene	<0.0061		0.043	0.0061	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Hexachlorobenzene	<0.010		0.087	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Hexachlorobutadiene	<0.068		0.22	0.068	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Hexachlorocyclopentadiene	<0.25		0.87	0.25	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Hexachloroethane	<0.066		0.22	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Indeno[1,2,3-cd]pyrene	<0.011		0.043	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Isophorone	<0.049		0.22	0.049	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2-Methylnaphthalene	<0.0080		0.087	0.0080	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2-Methylphenol	<0.070		0.22	0.070	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
3 & 4 Methylphenol	<0.072		0.22	0.072	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Naphthalene	<0.0067		0.043	0.0067	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2-Nitroaniline	<0.058		0.22	0.058	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
3-Nitroaniline	<0.13		0.43	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
4-Nitroaniline	<0.18		0.43	0.18	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Nitrobenzene	<0.011		0.043	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2-Nitrophenol	<0.10		0.43	0.10	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B09 (0-5)

Lab Sample ID: 500-169147-3

Date Collected: 08/28/19 09:05

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 75.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.41		0.87	0.41	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
N-Nitrosodi-n-propylamine	<0.053		0.087	0.053	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
N-Nitrosodiphenylamine	<0.051		0.22	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2,2'-oxybis[1-chloropropane]	<0.050		0.22	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Pentachlorophenol	<0.70		0.87	0.70	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Phenanthrene	<0.0060		0.043	0.0060	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Phenol	<0.096		0.22	0.096	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
Pyrene	<0.0086		0.043	0.0086	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
1,2,4-Trichlorobenzene	<0.047		0.22	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2,4,5-Trichlorophenol	<0.099		0.43	0.099	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1
2,4,6-Trichlorophenol	<0.15		0.43	0.15	mg/Kg	☼	09/06/19 08:24	09/09/19 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		43 - 145	09/06/19 08:24	09/09/19 21:41	1
2-Fluorophenol	101		31 - 166	09/06/19 08:24	09/09/19 21:41	1
Nitrobenzene-d5	71		37 - 147	09/06/19 08:24	09/09/19 21:41	1
Phenol-d5	86		30 - 153	09/06/19 08:24	09/09/19 21:41	1
Terphenyl-d14	150		42 - 157	09/06/19 08:24	09/09/19 21:41	1
2,4,6-Tribromophenol	73		31 - 143	09/06/19 08:24	09/09/19 21:41	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J	1.3	0.24	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Arsenic	5.7		0.63	0.21	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Barium	130		0.63	0.072	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Beryllium	0.76		0.25	0.059	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Cadmium	0.35	B	0.13	0.023	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Chromium	18		0.63	0.31	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Cobalt	7.9		0.31	0.082	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Copper	21	B	0.63	0.18	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Iron	18000		13	6.5	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Lead	18		0.31	0.14	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Magnesium	6200		6.3	3.1	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Calcium	8400	B	13	2.1	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Manganese	270		0.63	0.091	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Nickel	23		0.63	0.18	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Selenium	0.58	J	0.63	0.37	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Silver	3.9		0.31	0.081	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Thallium	1.0		0.63	0.31	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Vanadium	27		0.31	0.074	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Zinc	81		1.3	0.55	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Potassium	2400		31	11	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1
Sodium	390		63	9.3	mg/Kg	☼	09/04/19 17:20	09/05/19 10:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/11/19 07:59	09/11/19 18:10	1
Barium	0.34	J	0.50	0.050	mg/L		09/11/19 07:59	09/11/19 18:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/11/19 07:59	09/11/19 18:10	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/11/19 07:59	09/11/19 18:10	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B09 (0-5)

Lab Sample ID: 500-169147-3

Date Collected: 08/28/19 09:05

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 75.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	190		5.0	0.50	mg/L		09/11/19 07:59	09/11/19 18:10	1
Chromium	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:10	1
Cobalt	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:10	1
Copper	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:10	1
Iron	<0.20		0.40	0.20	mg/L		09/11/19 07:59	09/11/19 18:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/11/19 07:59	09/11/19 18:10	1
Magnesium	97		2.5	0.50	mg/L		09/11/19 07:59	09/11/19 18:10	1
Manganese	0.17		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:10	1
Nickel	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:10	1
Potassium	3.8		2.5	0.50	mg/L		09/11/19 07:59	09/11/19 18:10	1
Selenium	<0.020		0.050	0.020	mg/L		09/11/19 07:59	09/11/19 18:10	1
Silver	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:10	1
Vanadium	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:10	1
Zinc	1.3		0.50	0.020	mg/L		09/11/19 07:59	09/12/19 08:54	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/10/19 07:27	09/10/19 17:27	1
Barium	0.38	J	0.50	0.050	mg/L		09/10/19 07:27	09/10/19 17:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/10/19 07:27	09/10/19 17:27	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/10/19 07:27	09/10/19 17:27	1
Calcium	13		5.0	0.50	mg/L		09/10/19 07:27	09/10/19 17:27	1
Chromium	0.081		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:27	1
Cobalt	<0.010		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:27	1
Copper	0.044		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:27	1
Iron	64		0.40	0.20	mg/L		09/10/19 07:27	09/10/19 17:27	1
Lead	0.075		0.0075	0.0075	mg/L		09/10/19 07:27	09/10/19 17:27	1
Magnesium	15		2.5	0.50	mg/L		09/10/19 07:27	09/10/19 17:27	1
Manganese	0.29		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:27	1
Nickel	0.047		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:27	1
Potassium	19		2.5	0.50	mg/L		09/10/19 07:27	09/10/19 17:27	1
Selenium	<0.020		0.050	0.020	mg/L		09/10/19 07:27	09/10/19 17:27	1
Silver	<0.010		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:27	1
Vanadium	0.13		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:27	1
Zinc	0.24	J	0.50	0.020	mg/L		09/10/19 07:27	09/10/19 17:27	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/11/19 07:59	09/11/19 21:52	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/11/19 07:59	09/11/19 21:52	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/10/19 07:27	09/10/19 17:16	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/10/19 07:27	09/10/19 17:16	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/10/19 12:25	09/11/19 12:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B09 (0-5)

Lab Sample ID: 500-169147-3

Date Collected: 08/28/19 09:05

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 75.5

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/11/19 15:00	09/12/19 09:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0089	J	0.020	0.0066	mg/Kg	☼	09/05/19 13:05	09/06/19 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.58	0.29	mg/Kg	☼	09/10/19 10:15	09/10/19 15:30	1
pH	7.8		0.2	0.2	SU			09/04/19 16:29	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B10 (0-5)

Lab Sample ID: 500-169147-4

Date Collected: 08/28/19 09:20

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 85.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0069		0.016	0.0069	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Benzene	<0.00041		0.0016	0.00041	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Bromodichloromethane	<0.00032		0.0016	0.00032	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Bromoform	<0.00046		0.0016	0.00046	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Bromomethane	<0.0015		0.0040	0.0015	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
2-Butanone (MEK)	<0.0018		0.0040	0.0018	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Carbon disulfide	<0.00083		0.0040	0.00083	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Carbon tetrachloride	<0.00046		0.0016	0.00046	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Chlorobenzene	<0.00059		0.0016	0.00059	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Chloroethane	<0.0012		0.0040	0.0012	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Chloroform	<0.00055		0.0016	0.00055	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Chloromethane	<0.0016		0.0040	0.0016	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
cis-1,2-Dichloroethene	<0.00044		0.0016	0.00044	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
cis-1,3-Dichloropropene	<0.00048		0.0016	0.00048	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Dibromochloromethane	<0.00052		0.0016	0.00052	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
1,1-Dichloroethane	<0.00054		0.0016	0.00054	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
1,2-Dichloroethane	<0.0012		0.0040	0.0012	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
1,1-Dichloroethene	<0.00055		0.0016	0.00055	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
1,2-Dichloropropene	<0.00041		0.0016	0.00041	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
1,3-Dichloropropene, Total	<0.00056		0.0016	0.00056	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Ethylbenzene	<0.00076		0.0016	0.00076	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
2-Hexanone	<0.0012		0.0040	0.0012	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Methylene Chloride	<0.0016		0.0040	0.0016	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
4-Methyl-2-pentanone (MIBK)	<0.0012		0.0040	0.0012	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Methyl tert-butyl ether	<0.00047		0.0016	0.00047	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Styrene	<0.00048		0.0016	0.00048	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
1,1,2,2-Tetrachloroethane	<0.00051		0.0016	0.00051	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Tetrachloroethene	<0.00054		0.0016	0.00054	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Toluene	<0.00040		0.0016	0.00040	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
trans-1,2-Dichloroethene	<0.00070		0.0016	0.00070	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
trans-1,3-Dichloropropene	<0.00056		0.0016	0.00056	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
1,1,1-Trichloroethane	<0.00053		0.0016	0.00053	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
1,1,2-Trichloroethane	<0.00068		0.0016	0.00068	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Trichloroethene	<0.00054		0.0016	0.00054	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Vinyl acetate	<0.0014		0.0040	0.0014	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Vinyl chloride	<0.00070		0.0016	0.00070	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1
Xylenes, Total	<0.00051		0.0032	0.00051	mg/Kg	☼	08/28/19 17:55	09/06/19 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	08/28/19 17:55	09/06/19 03:19	1
Dibromofluoromethane	85		75 - 126	08/28/19 17:55	09/06/19 03:19	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	08/28/19 17:55	09/06/19 03:19	1
Toluene-d8 (Surr)	86		75 - 124	08/28/19 17:55	09/06/19 03:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0069		0.038	0.0069	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Acenaphthylene	<0.0051		0.038	0.0051	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Anthracene	<0.0065		0.038	0.0065	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Benzo[a]anthracene	<0.0052		0.038	0.0052	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B10 (0-5)

Lab Sample ID: 500-169147-4

Date Collected: 08/28/19 09:20

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0075		0.038	0.0075	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Benzo[b]fluoranthene	<0.0083		0.038	0.0083	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Benzo[g,h,i]perylene	<0.012		0.038	0.012	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Benzo[k]fluoranthene	<0.011		0.038	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Bis(2-chloroethoxy)methane	<0.039		0.19	0.039	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Bis(2-chloroethyl)ether	<0.058		0.19	0.058	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Bis(2-ethylhexyl) phthalate	<0.071		0.19	0.071	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
4-Bromophenyl phenyl ether	<0.051		0.19	0.051	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Butyl benzyl phthalate	<0.073		0.19	0.073	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Carbazole	<0.096		0.19	0.096	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
4-Chloroaniline	<0.18		0.78	0.18	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
4-Chloro-3-methylphenol	<0.13		0.38	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2-Chloronaphthalene	<0.043		0.19	0.043	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2-Chlorophenol	<0.066		0.19	0.066	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
4-Chlorophenyl phenyl ether	<0.045		0.19	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Chrysene	<0.011		0.038	0.011	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Dibenz(a,h)anthracene	<0.0075		0.038	0.0075	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Dibenzofuran	<0.045		0.19	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
1,2-Dichlorobenzene	<0.046		0.19	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
1,3-Dichlorobenzene	<0.043		0.19	0.043	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
1,4-Dichlorobenzene	<0.050		0.19	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
3,3'-Dichlorobenzidine	<0.054		0.19	0.054	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2,4-Dichlorophenol	<0.092		0.38	0.092	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Diethyl phthalate	<0.065		0.19	0.065	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2,4-Dimethylphenol	<0.15		0.38	0.15	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Dimethyl phthalate	<0.050		0.19	0.050	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Di-n-butyl phthalate	<0.059		0.19	0.059	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
4,6-Dinitro-2-methylphenol	<0.31		0.78	0.31	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2,4-Dinitrophenol	<0.68		0.78	0.68	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2,4-Dinitrotoluene	<0.061		0.19	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2,6-Dinitrotoluene	<0.076		0.19	0.076	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Di-n-octyl phthalate	<0.063		0.19	0.063	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Fluoranthene	<0.0072		0.038	0.0072	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Fluorene	<0.0054		0.038	0.0054	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Hexachlorobenzene	<0.0090		0.078	0.0090	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Hexachlorobutadiene	<0.061		0.19	0.061	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Hexachlorocyclopentadiene	<0.22		0.78	0.22	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Hexachloroethane	<0.059		0.19	0.059	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Indeno[1,2,3-cd]pyrene	<0.010		0.038	0.010	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Isophorone	<0.043		0.19	0.043	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2-Methylnaphthalene	<0.0071		0.078	0.0071	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2-Methylphenol	<0.062		0.19	0.062	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
3 & 4 Methylphenol	<0.064		0.19	0.064	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Naphthalene	<0.0059		0.038	0.0059	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2-Nitroaniline	<0.052		0.19	0.052	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
3-Nitroaniline	<0.12		0.38	0.12	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
4-Nitroaniline	<0.16		0.38	0.16	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Nitrobenzene	<0.0096		0.038	0.0096	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2-Nitrophenol	<0.091		0.38	0.091	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B10 (0-5)

Lab Sample ID: 500-169147-4

Date Collected: 08/28/19 09:20

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.37		0.78	0.37	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
N-Nitrosodi-n-propylamine	<0.047		0.078	0.047	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
N-Nitrosodiphenylamine	<0.046		0.19	0.046	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2,2'-oxybis[1-chloropropane]	<0.045		0.19	0.045	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Pentachlorophenol	<0.62		0.78	0.62	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Phenanthrene	<0.0054		0.038	0.0054	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Phenol	<0.086		0.19	0.086	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
Pyrene	<0.0077		0.038	0.0077	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
1,2,4-Trichlorobenzene	<0.042		0.19	0.042	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2,4,5-Trichlorophenol	<0.088		0.38	0.088	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1
2,4,6-Trichlorophenol	<0.13		0.38	0.13	mg/Kg	☼	09/06/19 08:24	09/09/19 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		43 - 145	09/06/19 08:24	09/09/19 22:09	1
2-Fluorophenol	82		31 - 166	09/06/19 08:24	09/09/19 22:09	1
Nitrobenzene-d5	52		37 - 147	09/06/19 08:24	09/09/19 22:09	1
Phenol-d5	70		30 - 153	09/06/19 08:24	09/09/19 22:09	1
Terphenyl-d14	140		42 - 157	09/06/19 08:24	09/09/19 22:09	1
2,4,6-Tribromophenol	75		31 - 143	09/06/19 08:24	09/09/19 22:09	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.22		1.1	0.22	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Arsenic	8.2		0.57	0.20	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Barium	65		0.57	0.066	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Beryllium	0.71		0.23	0.054	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Cadmium	0.32	B	0.11	0.021	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Chromium	16		0.57	0.28	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Cobalt	14		0.29	0.075	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Copper	23	B	0.57	0.16	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Iron	20000		11	6.0	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Lead	16		0.29	0.13	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Magnesium	19000		5.7	2.9	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Calcium	62000	B	57	9.7	mg/Kg	☼	09/04/19 17:20	09/05/19 21:13	5
Manganese	500		0.57	0.083	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Nickel	32		0.57	0.17	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Selenium	<0.34		0.57	0.34	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Silver	3.1		0.29	0.074	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Thallium	0.95		0.57	0.29	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Vanadium	24		0.29	0.068	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Zinc	69		1.1	0.50	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Potassium	2600		29	10	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1
Sodium	690		57	8.5	mg/Kg	☼	09/04/19 17:20	09/05/19 10:13	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/11/19 07:59	09/11/19 18:14	1
Barium	0.43	J	0.50	0.050	mg/L		09/11/19 07:59	09/11/19 18:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/11/19 07:59	09/11/19 18:14	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/11/19 07:59	09/11/19 18:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B10 (0-5)

Lab Sample ID: 500-169147-4

Date Collected: 08/28/19 09:20

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 85.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	590		5.0	0.50	mg/L		09/11/19 07:59	09/11/19 18:14	1
Chromium	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:14	1
Cobalt	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:14	1
Copper	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:14	1
Iron	<0.20		0.40	0.20	mg/L		09/11/19 07:59	09/11/19 18:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/11/19 07:59	09/11/19 18:14	1
Magnesium	33		2.5	0.50	mg/L		09/11/19 07:59	09/11/19 18:14	1
Manganese	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:14	1
Nickel	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:14	1
Potassium	1.0	J	2.5	0.50	mg/L		09/11/19 07:59	09/11/19 18:14	1
Selenium	<0.020		0.050	0.020	mg/L		09/11/19 07:59	09/11/19 18:14	1
Silver	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:14	1
Vanadium	<0.010		0.025	0.010	mg/L		09/11/19 07:59	09/11/19 18:14	1
Zinc	0.049	J ^	0.50	0.020	mg/L		09/11/19 07:59	09/11/19 18:14	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038	J	0.10	0.020	mg/L		09/10/19 07:27	09/11/19 09:02	2
Barium	0.62	F1	0.50	0.050	mg/L		09/10/19 07:27	09/10/19 17:31	1
Beryllium	0.0056		0.0040	0.0040	mg/L		09/10/19 07:27	09/10/19 17:31	1
Cadmium	<0.0040		0.010	0.0040	mg/L		09/10/19 07:27	09/11/19 09:02	2
Calcium	28	F1	5.0	0.50	mg/L		09/10/19 07:27	09/10/19 17:31	1
Chromium	0.14		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:31	1
Cobalt	0.028	J	0.050	0.020	mg/L		09/10/19 07:27	09/11/19 09:02	2
Copper	0.10		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:31	1
Iron	120		0.40	0.20	mg/L		09/10/19 07:27	09/10/19 17:31	1
Lead	0.15		0.015	0.015	mg/L		09/10/19 07:27	09/11/19 09:02	2
Magnesium	31	F1	2.5	0.50	mg/L		09/10/19 07:27	09/10/19 17:31	1
Manganese	0.46	F1	0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:31	1
Nickel	0.11		0.050	0.020	mg/L		09/10/19 07:27	09/11/19 09:02	2
Potassium	49		2.5	0.50	mg/L		09/10/19 07:27	09/10/19 17:31	1
Selenium	<0.020		0.050	0.020	mg/L		09/10/19 07:27	09/10/19 17:31	1
Silver	0.010	J	0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:31	1
Vanadium	0.22		0.025	0.010	mg/L		09/10/19 07:27	09/10/19 17:31	1
Zinc	0.32	J	0.50	0.020	mg/L		09/10/19 07:27	09/10/19 17:31	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/11/19 07:59	09/11/19 21:56	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/11/19 07:59	09/11/19 21:56	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/10/19 07:27	09/10/19 17:20	1
Thallium	0.0035		0.0020	0.0020	mg/L		09/10/19 07:27	09/10/19 17:20	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/10/19 12:25	09/11/19 12:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Client Sample ID: 3132V-3-B10 (0-5)

Lab Sample ID: 500-169147-4

Date Collected: 08/28/19 09:20

Matrix: Solid

Date Received: 08/28/19 12:10

Percent Solids: 85.7

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/11/19 15:00	09/12/19 09:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.017	0.0057	mg/Kg	☼	09/05/19 13:05	09/06/19 08:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.25		0.50	0.25	mg/Kg	☼	09/10/19 10:15	09/10/19 15:31	1
pH	8.6		0.2	0.2	SU			09/04/19 16:58	1



Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169147-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 604
Phone: 708.534.5200 Fax: 708.534.1



500-169147 COC

Report To (optional) Mike Fischer
 Contact: same
 Company: EAI
 Address: 33 W. Monroe
 Address: Chicago, IL 60603
 Phone: 847-312-7676
 Fax: _____
 E-Mail: m.fischer@envdot.com

Bill To (optional) _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 Reference# _____

Chain of Custody Record

Lab Job #: 500-169147

Chain of Custody Number: _____

Page 1 of 1

Temperature °C of Cooler: 12.0

Client		Client Project #		Preservative		Parameter		Matrix		Comments			
<u>EAI</u>		<u>2031.001.01</u>											
Project Name		Lab Project #		Date		Time		# of Containers		Matrix			
<u>IDOT PTS 174-009-WD 62</u>													
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix			
<u>Manhattan, IL</u>													
Sampler		Lab PM		Date		Time		# of Containers		Matrix			
<u>B. Kinzella</u>													
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TAL (NO2/NO3)	TCUP/SPLA (NO2/NO3)	Total Cyanide	pH	HOLD
<u>1</u>		<u>3132v-3-B07(0-5)</u>	<u>8/28/19</u>	<u>0835</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>2</u>		<u>-B08(0-5)</u>		<u>0850</u>	<u>1</u>	<u>S</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	
<u>3</u>		<u>-B09(0-5)</u>		<u>0905</u>	<u>1</u>	<u>S</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	
<u>4</u>		<u>-B10(0-5)</u>		<u>0920</u>	<u>1</u>	<u>S</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	
		<u>WE MF</u>		<u>0940</u>	<u>1</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>Hold For Waste Ch.</u>

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>[Signature]</u> Company: <u>EAI</u> Date: <u>8/28/19</u> Time: <u>1210</u>	Received By: <u>[Signature]</u> Company: <u>TA-CRT</u> Date: <u>8/28/19</u> Time: <u>1210</u>	Lab Courier: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Shipped: _____
Relinquished By: _____ Company: _____ Date: _____ Time: _____	Received By: _____ Company: _____ Date: _____ Time: _____	Hand Delivered: <input checked="" type="checkbox"/>

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-169147-1

Login Number: 169147

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	True	
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	6.0
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 531 - Manhattan-Monee Road Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

11400-11500 blocks of W. Manhattan-Monee Road (ISGS Site No. 3132V-7)

City: Green Garden State: IL Zip Code: 60442

County: Will Township: Green Garden

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.42541 Longitude: - 87.89069

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 276

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS OF 3132V-7-B03 THROUGH 3132V-7-B06 WERE SAMPLED AT SITE 3132V-7. SEE FIGURES 3-3 AND 3-4 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TEST AMERICA REPORT - JOB ID: 500-169016-1

ALSO, SEE FIGURES 4-3, 4-4, AND 4-7 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael Fischer (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Environmental Design International inc.
Street Address: 33 West Monroe Street, Suite 1825
City: Chicago State: IL Zip Code: 60603
Phone: 312-345-1400

Michael Fischer
Printed Name: _____


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/06/2019
Date:



Summary Table of ISGS Site No. 3132V-7
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
IDOT Contract No: PTB 174-009; Work Order 062A
FAP 531 - Manhattan-Monee Road
Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-7-B03	3132V-7-B03	3132V-7-B04	3132V-7-B04	3132V-7-B05	3132V-7-B05	3132V-7-B06	3132V-7-B06		
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Chicago	MSAs			0-5	5-9	0-5	5-9	0-5	5-9	0-5	5-9	0-5	5-9
		Ingestion	Inhalation	Ingestion	Inhalation							Class I	Sample Depth (feet)	0-5	5-9	0-5	5-9	0-5	5-9	0-5	5-9
												Lab Sample ID	500-169016-6	500-169016-7	500-169016-8	500-169016-9	500-169016-10	500-169016-11	500-169016-12	500-169016-13	
							ISGS Site No.	3132V-7	3132V-7	3132V-7	3132V-7	3132V-7	3132V-7	3132V-7	3132V-7	3132V-7	3132V-7				
							pH 6.25-9.0	Date Collected	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019				
Volatile Organic Analytical Parameters																					
2-Butanone (MEK)	mg/kg	47,000	25000	120,000	730	17	---	---	17		0.0071	ND	0.0034	0.0033	0.0084	ND	0.0072	0.0074			
Acetone	mg/kg	70,000	100000	---	100000	25	*	---	25		0.036	0.017	0.023	0.030	0.039	0.018	0.031	0.033			
Semivolatile Organic Analytical Parameters																					
Benzo[a]anthracene	mg/kg	0.9	---	170	---	2	*	1.1	1.8	0.9	ND	ND	ND	ND	ND	ND	ND	ND			
Benzo[b]fluoranthene	mg/kg	0.9	---	170	---	5	*	1.5	2.1	0.9	ND	ND	ND	ND	ND	ND	ND	ND			
Benzo[g,h,i]perylene	mg/kg	2,300	---	61,000	---	27,000	---	0.68	1.7	2,300	ND	ND	0.018	ND	ND	ND	ND	ND			
Chrysene	mg/kg	88	---	17,000	---	160	*	1.2	2.7	88	ND	ND	ND	ND	0.016	ND	ND	ND			
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	*	2.7	4.1	3,100	ND	ND	ND	ND	0.013	ND	ND	ND			
Pyrene	mg/kg	2,300	---	61,000	---	4,200	*	1.9	3	2,300	ND	ND	ND	ND	0.013	ND	ND	ND			
Inorganic Analytical Parameters																					
Antimony	mg/kg	31	---	82	---	---	*	---	4	5	ND	ND	ND	ND	ND	ND	ND	ND			
Arsenic	mg/kg	13	750	61	25,000	---	*	---	13	11.3	5.1	6.9	5.7	11	8.6	7.4	6.5	8.8			
Barium	mg/kg	5,500	690,000	14,000	870,000	---	*	---	110	1,500	120	38	100	73	110	62	130	110			
Beryllium	mg/kg	160	1,300	410	44,000	---	*	---	0.59	22	0.63	0.41	0.64	0.49	0.66	0.58	0.70	0.66			
Cadmium	mg/kg	78	1,800	200	59,000	---	*	---	0.6	5.2	0.35	0.37	0.32	0.35	0.41	0.31	0.42	0.32			
Calcium	mg/kg	---	---	---	---	---	*	---	9,300	---	2800	8500	2500	2000	2900	1900	3700	3200			
Chromium	mg/kg	230	270	4,100	690	---	*	---	16.2	21	15	13	16	14	15	15	17	19			
Cobalt	mg/kg	4,700	---	12,000	---	---	*	---	8.9	20	8.7	8.2	8.8	12	11	6.8	9.1	10			
Copper	mg/kg	2,900	---	8,200	---	---	*	---	19.6	2,900	17	22	16	17	18	18	19	24			
Iron	mg/kg	---	---	---	---	---	---	---	15,900	15,000	19000	24000	20000	27000	22000	20000	20000	27000			
Lead	mg/kg	400	---	700	---	---	*	---	36	107	15	19	16	16	25	18	18	18			
Magnesium	mg/kg	325,000	---	730,000	---	---	*	---	4,820	325,000	3100	6800	3100	2900	3100	2900	3400	3800			
Manganese	mg/kg	1,600	69,000	4,100	8,700	---	*	---	636	630	340	180	320	450	360	190	470	120			
Mercury	mg/kg	23	10	61	0.1	---	*	---	0.06	0.89	0.032	0.028	0.030	0.035	0.035	0.030	0.051	0.042			
Nickel	mg/kg	1,600	13,000	4,100	440,000	---	*	---	18	100	21	21	22	22	23	20	22	23			
Potassium	mg/kg	---	---	---	---	---	---	---	1,268	---	1600	1300	1700	1200	1700	1200	1800	1700			
Selenium	mg/kg	390	---	1,000	---	---	*	---	0.48	1.3	ND	0.38	ND	0.43	0.44	ND	0.76	0.41			
Silver	mg/kg	390	---	1,000	---	---	*	---	0.55	4.4	4.0	3.4	4.3	4.1	4.2	4.2	4.3	4.5			
Sodium	mg/kg	---	---	---	---	---	*	---	130	---	1800	1200	1600	1200	1900	1500	2000	1200			
Thallium	mg/kg	6	---	160	---	---	*	---	0.32	2.6	0.88	1.1	1.1	1.1	1.1	1.1	1.2	1.2			
Vanadium	mg/kg	550	---	1,400	---	---	*	---	25.2	550	21	20	24	23	24	24	25	31			
Zinc	mg/kg	23,000	---	61,000	---	---	*	---	95	5,100	70	81	67	72	100	65	77	69			
pH									6.25 - 9.0		7.7	8.3	7.8	8.1	7.4	8.2	8.0	8.0			

Summary Table of ISGS Site No. 3132V-7
 Detected Soil Analytes and Comparison with Applicable Criteria
 Soil Analytical Results
 IDOT Contract No: PTB 174-009; Work Order 062A
 FAP 531 - Manhattan-Monee Road
 Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-7-B03	3132V-7-B03	3132V-7-B04	3132V-7-B04	3132V-7-B05	3132V-7-B05	3132V-7-B06	3132V-7-B06		
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Chicago	MSAs			0-5	5-9	0-5	5-9	0-5	5-9	0-5	5-9	0-5	5-9
		Ingestion	Inhalation	Ingestion	Inhalation							Class I	Sample Depth (feet)	500-169016-6	500-169016-7	500-169016-8	500-169016-9	500-169016-10	500-169016-11	500-169016-12	500-169016-13
												Lab Sample ID	ISGS Site No.	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019
Inorganic Analytical Parameters (TCLP)																					
Antimony, TCLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Arsenic, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Barium, TCLP	mg/L	---	---	---	---	2	---	---	---	---	0.28	0.24	0.27	0.11	0.37	0.12	0.22	0.22	0.34		
Beryllium, TCLP	mg/L	---	---	---	---	0.004	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Cadmium, TCLP	mg/L	---	---	---	---	0.005	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Calcium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	43	210	43	38	62	32	53	71	71		
Chromium, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Cobalt, TCLP	mg/L	---	---	---	---	1	---	---	---	---	0.014	ND	0.014	ND	0.017	ND	ND	ND	0.016		
Copper, TCLP	mg/L	---	---	---	---	0.65	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Iron, TCLP	mg/L	---	---	---	---	5	---	---	---	---	ND	ND	ND	0.28	0.26	0.61	0.24	ND	ND		
Lead, TCLP	mg/L	---	---	---	---	0.0075	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Magnesium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	9.6	110	11	12	16	8.2	11	18	18		
Manganese, TCLP	mg/L	---	---	---	---	0.15	---	---	---	---	6.4	2.9	6.0	2.0	7.3	2.2	2.1	1.5	1.5		
Mercury, TCLP	mg/L	---	---	---	---	0.002	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Nickel, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	0.010	ND	ND	0.011	ND	ND	0.010	0.010		
Potassium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	3.1	2.4	3.8	1.9	4.7	1.8	2.3	3.1	3.1		
Selenium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Silver, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Sodium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	---	---	---	ND	---	ND	---	---	---		
Thallium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Vanadium, TCLP	mg/L	---	---	---	---	0.049	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Zinc, TCLP	mg/L	---	---	---	---	5	---	---	---	---	0.55	0.049	0.11	ND	0.74	ND	0.073	0.027	0.027		
Inorganic Analytical Parameters (SPLP)																					
Antimony, SPLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Arsenic, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.049	0.053	0.046	0.12	0.042	0.084	0.031	0.064	0.064		
Barium, SPLP	mg/L	---	---	---	---	2	---	---	---	---	0.98	0.36	0.81	0.54	0.74	0.69	0.78	0.84	0.84		
Beryllium, SPLP	mg/L	---	---	---	---	0.004	---	---	---	---	0.0067	0.0059	0.0059	0.0081	0.0056	0.0094	0.0055	0.0072	0.0072		
Cadmium, SPLP	mg/L	---	---	---	---	0.005	---	---	---	---	0.0028	0.0029	0.0024	0.0032	0.0027	0.0032	0.0031	0.0024	0.0024		
Calcium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	18	18	15	21	14	22	19	24	24		
Chromium, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.19	0.15	0.17	0.23	0.16	0.23	0.16	0.21	0.21		
Cobalt, SPLP	mg/L	---	---	---	---	1	---	---	---	---	0.054	0.056	0.050	0.073	0.043	0.068	0.036	0.062	0.062		
Copper, SPLP	mg/L	---	---	---	---	0.65	---	---	---	---	0.15	0.22	0.13	0.20	0.12	0.24	0.12	0.19	0.19		
Iron, SPLP	mg/L	---	---	---	---	5	---	---	---	---	200	250	180	330	150	250	140	220	220		
Lead, SPLP	mg/L	---	---	---	---	0.0075	---	---	---	---	0.099	0.19	0.095	0.17	0.11	0.20	0.076	0.12	0.12		
Magnesium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	30	25	26	35	23	37	25	32	32		
Manganese, SPLP	mg/L	---	---	---	---	0.15	---	---	---	---	1.6	1.4	1.8	1.4	0.87	2.0	0.80	0.63	0.63		
Mercury, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.00042	0.00044	0.00046	0.00062	0.00039	0.00069	0.00046	0.00058	0.00058		
Nickel, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.14	0.13	0.14	0.21	0.12	0.20	0.11	0.15	0.15		
Potassium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	28	24	26	31	26	31	23	28	28		
Selenium, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Silver, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.011	0.014	ND	0.020	ND	0.021	ND	0.015	0.015		
Sodium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	---	---	---	ND	---	---	---	---	---		
Thallium, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.0022	0.0022	0.0021	0.0025	ND	0.0027	0.0020	0.0024	0.0024		
Vanadium, SPLP	mg/L	---	---	---	---	0.049	---	---	---	---	0.29	0.27	0.28	0.38	0.24	0.36	0.25	0.36	0.36		
Zinc, SPLP	mg/L	---	---	---	---	5	---	---	---	---	0.66	0.89	0.55	1.3	0.78	1.1	0.56	1.0	1.0		

Table Notes

Remediation Objectives from 35 Illinois Administrative Code Chapter 742: *Tiered Approach to Corrective Action Objectives* (TACO) and the most stringent Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil (MACs) outline in Title 35 Administrative Code of the Illinois Administrative Code Part 1100 (35 IAC 1100).

Remediation Objectives for Non-TACO compounds from Illinois Environmental Protection Agency's (IEPA's) web site (<http://www.epa.state.il.us/land/taco/chemicals-not-in-taco-tier-1-tables.html>).

mg/kg = milligrams per kilogram, generally equivalent to ppm

mg/L = milligrams per liter, generally equivalent to parts per million (ppm)

TCLP = Toxicity Characteristic Leaching Procedure

SPLP = Synthetic Precipitation Leaching Procedure

-- = Sample not analyzed for this constituent

--- = No IEPA Remediation Objective (RO) for this exposure route.


---- = Not measured


ND = Constituent not detected above the reporting limit.

Italicized Tier 1 ROs were changed to laboratory Acceptable Detection Limits (ADL) per 35 IAC 742.510(a)(8).


* In pH-specific table, hexavalent chromium used as RO for total chromium to allow for a conservative comparison. Since no Class II pH-specific ROs exist for chromium, silver, and vanadium, conservative Class I ROs used for comparison.

**Lab Data for 3 & 4 methylphenol compared to 4 methylphenol Ros.

 Yellow is above the most stringent MAC

 Blue is above MAC and City of Chicago but below the MSA

 Green is above MAC and MSA County

 Orange is above the lowest construction worker RO

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-169016-1
Client Project/Site: IDOT - PTB 174-009 - WO 062

For:
Environmental Design International, Inc.
33 W. Monroe
Suite 1825
Chicago, Illinois 60603

Attn: Michael Fischer



Authorized for release by:
9/9/2019 3:59:56 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
1312	SPLP Extraction	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
9010B	Cyanide, Distillation	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (0-5)

Lab Sample ID: 500-169016-5

Date Collected: 08/26/19 10:55

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.036		0.020	0.0088	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Benzene	<0.00051		0.0020	0.00051	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Bromodichloromethane	<0.00041		0.0020	0.00041	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Bromoform	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Bromomethane	<0.0019		0.0050	0.0019	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
2-Butanone (MEK)	0.0071		0.0050	0.0022	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Carbon disulfide	<0.0010		0.0050	0.0010	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Carbon tetrachloride	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Chlorobenzene	<0.00074		0.0020	0.00074	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Chloroethane	<0.0015		0.0050	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Chloroform	<0.00070		0.0020	0.00070	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Chloromethane	<0.0020		0.0050	0.0020	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
cis-1,2-Dichloroethene	<0.00056		0.0020	0.00056	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
cis-1,3-Dichloropropene	<0.00061		0.0020	0.00061	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Dibromochloromethane	<0.00066		0.0020	0.00066	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
1,1-Dichloroethane	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
1,2-Dichloroethane	<0.0016		0.0050	0.0016	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
1,1-Dichloroethene	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
1,2-Dichloropropane	<0.00052		0.0020	0.00052	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
1,3-Dichloropropane, Total	<0.00071		0.0020	0.00071	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Ethylbenzene	<0.00097		0.0020	0.00097	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
2-Hexanone	<0.0016		0.0050	0.0016	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Methylene Chloride	<0.0020		0.0050	0.0020	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
4-Methyl-2-pentanone (MIBK)	<0.0015		0.0050	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Methyl tert-butyl ether	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Styrene	<0.00061		0.0020	0.00061	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
1,1,2,2-Tetrachloroethane	<0.00064		0.0020	0.00064	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Tetrachloroethene	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Toluene	<0.00051		0.0020	0.00051	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
trans-1,2-Dichloroethene	<0.00089		0.0020	0.00089	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
trans-1,3-Dichloropropene	<0.00071		0.0020	0.00071	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
1,1,1-Trichloroethane	<0.00068		0.0020	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
1,1,2-Trichloroethane	<0.00087		0.0020	0.00087	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Trichloroethene	<0.00068		0.0020	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Vinyl acetate	<0.0018		0.0050	0.0018	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Vinyl chloride	<0.00089		0.0020	0.00089	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1
Xylenes, Total	<0.00065		0.0040	0.00065	mg/Kg	☼	08/26/19 16:30	09/01/19 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	08/26/19 16:30	09/01/19 15:46	1
Dibromofluoromethane	100		75 - 126	08/26/19 16:30	09/01/19 15:46	1
1,2-Dichloroethane-d4 (Surr)	103		70 - 134	08/26/19 16:30	09/01/19 15:46	1
Toluene-d8 (Surr)	96		75 - 124	08/26/19 16:30	09/01/19 15:46	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0076		0.042	0.0076	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Acenaphthylene	<0.0056		0.042	0.0056	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Anthracene	<0.0071		0.042	0.0071	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Benzo[a]anthracene	<0.0057		0.042	0.0057	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (0-5)

Lab Sample ID: 500-169016-5

Date Collected: 08/26/19 10:55

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Benzo[b]fluoranthene	<0.0092		0.042	0.0092	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Benzo[g,h,i]perylene	<0.014		0.042	0.014	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Benzo[k]fluoranthene	<0.013		0.042	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Bis(2-chloroethoxy)methane	<0.043		0.21	0.043	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Bis(2-chloroethyl)ether	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Bis(2-ethylhexyl) phthalate	<0.078		0.21	0.078	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
4-Bromophenyl phenyl ether	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Butyl benzyl phthalate	<0.081		0.21	0.081	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Carbazole	<0.11		0.21	0.11	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
4-Chloroaniline	<0.20		0.86	0.20	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
4-Chloro-3-methylphenol	<0.14		0.42	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2-Chloronaphthalene	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2-Chlorophenol	<0.073		0.21	0.073	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
4-Chlorophenyl phenyl ether	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Chrysene	<0.012		0.042	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Dibenz(a,h)anthracene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Dibenzofuran	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
1,2-Dichlorobenzene	<0.051		0.21	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
1,3-Dichlorobenzene	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
1,4-Dichlorobenzene	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
3,3'-Dichlorobenzidine	<0.059		0.21	0.059	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2,4-Dichlorophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Diethyl phthalate	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2,4-Dimethylphenol	<0.16		0.42	0.16	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Dimethyl phthalate	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Di-n-butyl phthalate	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
4,6-Dinitro-2-methylphenol	<0.34		0.86	0.34	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2,4-Dinitrophenol	<0.75		0.86	0.75	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2,4-Dinitrotoluene	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2,6-Dinitrotoluene	<0.084		0.21	0.084	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Di-n-octyl phthalate	<0.069		0.21	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Fluoranthene	<0.0079		0.042	0.0079	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Fluorene	<0.0060		0.042	0.0060	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Hexachlorobenzene	<0.0099		0.086	0.0099	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Hexachlorobutadiene	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Hexachlorocyclopentadiene	<0.24		0.86	0.24	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Hexachloroethane	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Indeno[1,2,3-cd]pyrene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Isophorone	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2-Methylnaphthalene	<0.0078		0.086	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2-Methylphenol	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
3 & 4 Methylphenol	<0.071		0.21	0.071	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Naphthalene	<0.0065		0.042	0.0065	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2-Nitroaniline	<0.057		0.21	0.057	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
3-Nitroaniline	<0.13		0.42	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
4-Nitroaniline	<0.18		0.42	0.18	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Nitrobenzene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2-Nitrophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (0-5)

Lab Sample ID: 500-169016-5

Date Collected: 08/26/19 10:55

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.40		0.86	0.40	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
N-Nitrosodi-n-propylamine	<0.052		0.086	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
N-Nitrosodiphenylamine	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2,2'-oxybis[1-chloropropane]	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Pentachlorophenol	<0.68		0.86	0.68	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Phenanthrene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Phenol	<0.094		0.21	0.094	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
Pyrene	<0.0084		0.042	0.0084	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
1,2,4-Trichlorobenzene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2,4,5-Trichlorophenol	<0.097		0.42	0.097	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1
2,4,6-Trichlorophenol	<0.15		0.42	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		43 - 145	09/04/19 19:14	09/05/19 15:04	1
2-Fluorophenol	71		31 - 166	09/04/19 19:14	09/05/19 15:04	1
Nitrobenzene-d5	79		37 - 147	09/04/19 19:14	09/05/19 15:04	1
Phenol-d5	65		30 - 153	09/04/19 19:14	09/05/19 15:04	1
Terphenyl-d14	107		42 - 157	09/04/19 19:14	09/05/19 15:04	1
2,4,6-Tribromophenol	86		31 - 143	09/04/19 19:14	09/05/19 15:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.23		1.2	0.23	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Arsenic	5.1		0.59	0.20	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Barium	120		0.59	0.067	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Beryllium	0.63		0.24	0.055	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Cadmium	0.35	B	0.12	0.021	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Chromium	15		0.59	0.29	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Cobalt	8.7		0.30	0.077	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Copper	17		0.59	0.17	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Iron	19000	B	12	6.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Lead	15		0.30	0.14	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Magnesium	3100	B	5.9	2.9	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Calcium	2800	B	12	2.0	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Manganese	340		0.59	0.086	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Nickel	21		0.59	0.17	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Selenium	<0.35		0.59	0.35	mg/Kg	☼	08/31/19 10:54	09/04/19 20:34	1
Silver	4.0		0.30	0.076	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Thallium	0.88		0.59	0.29	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Vanadium	21		0.30	0.070	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Zinc	70	B	1.2	0.52	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Potassium	1600		30	10	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1
Sodium	1800		59	8.7	mg/Kg	☼	08/31/19 10:54	09/03/19 17:19	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 11:58	1
Barium	0.28	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 11:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 11:58	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 11:58	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (0-5)

Lab Sample ID: 500-169016-5

Date Collected: 08/26/19 10:55

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	43		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 11:58	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 11:58	1
Cobalt	0.014	J	0.025	0.010	mg/L		09/05/19 15:12	09/06/19 11:58	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 11:58	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 11:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 11:58	1
Magnesium	9.6		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 11:58	1
Manganese	6.4		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 11:58	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 11:58	1
Potassium	3.1		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 14:51	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 11:58	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 11:58	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 11:58	1
Zinc	0.55		0.50	0.020	mg/L		09/05/19 15:12	09/06/19 11:58	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.049	J	0.050	0.010	mg/L		09/05/19 15:08	09/06/19 13:05	1
Barium	0.98		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 13:05	1
Beryllium	0.0067		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 13:05	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 13:05	1
Calcium	18		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 13:05	1
Chromium	0.19		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:05	1
Cobalt	0.054		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:05	1
Copper	0.15		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:05	1
Iron	200		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 13:05	1
Lead	0.099		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 13:05	1
Magnesium	30		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:05	1
Manganese	1.6		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:05	1
Nickel	0.14		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:05	1
Potassium	28		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:05	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 13:05	1
Silver	0.011	J	0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:05	1
Vanadium	0.29		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:05	1
Zinc	0.66	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 13:05	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 15:13	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 15:13	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 16:28	1
Thallium	0.0022		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 16:28	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00042		0.00033	0.00033	mg/L		09/06/19 14:00	09/09/19 09:14	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (0-5)

Lab Sample ID: 500-169016-5

Date Collected: 08/26/19 10:55

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 07:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.020	0.0066	mg/Kg	☼	08/30/19 15:10	09/03/19 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.56	0.28	mg/Kg	☼	09/05/19 09:15	09/05/19 14:44	1
pH	7.7		0.2	0.2	SU			08/30/19 10:19	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (5-9)

Lab Sample ID: 500-169016-6

Date Collected: 08/26/19 11:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.017	J	0.019	0.0085	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Benzene	<0.00050		0.0019	0.00050	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Bromodichloromethane	<0.00040		0.0019	0.00040	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Bromoform	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Bromomethane	<0.0018		0.0049	0.0018	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
2-Butanone (MEK)	<0.0022		0.0049	0.0022	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Carbon disulfide	<0.0010		0.0049	0.0010	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Carbon tetrachloride	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Chlorobenzene	<0.00072		0.0019	0.00072	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Chloroethane	<0.0014		0.0049	0.0014	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Chloroform	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Chloromethane	<0.0020		0.0049	0.0020	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
cis-1,2-Dichloroethene	<0.00054		0.0019	0.00054	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
cis-1,3-Dichloropropene	<0.00059		0.0019	0.00059	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Dibromochloromethane	<0.00064		0.0019	0.00064	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
1,1-Dichloroethane	<0.00067		0.0019	0.00067	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
1,2-Dichloroethane	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
1,1-Dichloroethene	<0.00067		0.0019	0.00067	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
1,2-Dichloropropane	<0.00050		0.0019	0.00050	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
1,3-Dichloropropane, Total	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Ethylbenzene	<0.00093		0.0019	0.00093	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
2-Hexanone	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Methylene Chloride	<0.0019		0.0049	0.0019	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0049	0.0014	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Methyl tert-butyl ether	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Styrene	<0.00059		0.0019	0.00059	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
1,1,2,2-Tetrachloroethane	<0.00062		0.0019	0.00062	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Tetrachloroethene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Toluene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
trans-1,2-Dichloroethene	<0.00086		0.0019	0.00086	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
trans-1,3-Dichloropropene	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
1,1,1-Trichloroethane	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
1,1,2-Trichloroethane	<0.00084		0.0019	0.00084	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Trichloroethene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Vinyl acetate	<0.0017		0.0049	0.0017	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Vinyl chloride	<0.00086		0.0019	0.00086	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1
Xylenes, Total	<0.00062		0.0039	0.00062	mg/Kg	☼	08/26/19 16:30	09/01/19 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	08/26/19 16:30	09/01/19 16:12	1
Dibromofluoromethane	100		75 - 126	08/26/19 16:30	09/01/19 16:12	1
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	08/26/19 16:30	09/01/19 16:12	1
Toluene-d8 (Surr)	96		75 - 124	08/26/19 16:30	09/01/19 16:12	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0077		0.043	0.0077	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Acenaphthylene	<0.0057		0.043	0.0057	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Anthracene	<0.0072		0.043	0.0072	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Benzo[a]anthracene	<0.0058		0.043	0.0058	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (5-9)

Lab Sample ID: 500-169016-6

Date Collected: 08/26/19 11:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0083		0.043	0.0083	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Benzo[b]fluoranthene	<0.0093		0.043	0.0093	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Benzo[g,h,i]perylene	<0.014		0.043	0.014	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Benzo[k]fluoranthene	<0.013		0.043	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Bis(2-chloroethoxy)methane	<0.044		0.22	0.044	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Bis(2-chloroethyl)ether	<0.065		0.22	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Bis(2-ethylhexyl) phthalate	<0.079		0.22	0.079	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
4-Bromophenyl phenyl ether	<0.057		0.22	0.057	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Butyl benzyl phthalate	<0.082		0.22	0.082	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Carbazole	<0.11		0.22	0.11	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
4-Chloroaniline	<0.20		0.87	0.20	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
4-Chloro-3-methylphenol	<0.15		0.43	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2-Chloronaphthalene	<0.048		0.22	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2-Chlorophenol	<0.073		0.22	0.073	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
4-Chlorophenyl phenyl ether	<0.050		0.22	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Chrysene	<0.012		0.043	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Dibenz(a,h)anthracene	<0.0083		0.043	0.0083	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Dibenzofuran	<0.050		0.22	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
1,2-Dichlorobenzene	<0.051		0.22	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
1,3-Dichlorobenzene	<0.048		0.22	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
1,4-Dichlorobenzene	<0.055		0.22	0.055	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
3,3'-Dichlorobenzidine	<0.060		0.22	0.060	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2,4-Dichlorophenol	<0.10		0.43	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Diethyl phthalate	<0.073		0.22	0.073	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2,4-Dimethylphenol	<0.16		0.43	0.16	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Dimethyl phthalate	<0.056		0.22	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Di-n-butyl phthalate	<0.066		0.22	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
4,6-Dinitro-2-methylphenol	<0.35		0.87	0.35	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2,4-Dinitrophenol	<0.76		0.87	0.76	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2,4-Dinitrotoluene	<0.068		0.22	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2,6-Dinitrotoluene	<0.085		0.22	0.085	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Di-n-octyl phthalate	<0.070		0.22	0.070	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Fluoranthene	<0.0080		0.043	0.0080	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Fluorene	<0.0060		0.043	0.0060	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Hexachlorobenzene	<0.010		0.087	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Hexachlorobutadiene	<0.068		0.22	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Hexachlorocyclopentadiene	<0.25		0.87	0.25	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Hexachloroethane	<0.065		0.22	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Indeno[1,2,3-cd]pyrene	<0.011		0.043	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Isophorone	<0.048		0.22	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2-Methylnaphthalene	<0.0079		0.087	0.0079	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2-Methylphenol	<0.069		0.22	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
3 & 4 Methylphenol	<0.072		0.22	0.072	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Naphthalene	<0.0066		0.043	0.0066	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2-Nitroaniline	<0.058		0.22	0.058	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
3-Nitroaniline	<0.13		0.43	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
4-Nitroaniline	<0.18		0.43	0.18	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Nitrobenzene	<0.011		0.043	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2-Nitrophenol	<0.10		0.43	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (5-9)

Lab Sample ID: 500-169016-6

Date Collected: 08/26/19 11:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.41		0.87	0.41	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
N-Nitrosodi-n-propylamine	<0.053		0.087	0.053	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
N-Nitrosodiphenylamine	<0.051		0.22	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2,2'-oxybis[1-chloropropane]	<0.050		0.22	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Pentachlorophenol	<0.69		0.87	0.69	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Phenanthrene	<0.0060		0.043	0.0060	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Phenol	<0.096		0.22	0.096	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
Pyrene	<0.0085		0.043	0.0085	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
1,2,4-Trichlorobenzene	<0.046		0.22	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2,4,5-Trichlorophenol	<0.098		0.43	0.098	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1
2,4,6-Trichlorophenol	<0.15		0.43	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		43 - 145	09/04/19 19:14	09/05/19 15:28	1
2-Fluorophenol	59		31 - 166	09/04/19 19:14	09/05/19 15:28	1
Nitrobenzene-d5	62		37 - 147	09/04/19 19:14	09/05/19 15:28	1
Phenol-d5	56		30 - 153	09/04/19 19:14	09/05/19 15:28	1
Terphenyl-d14	90		42 - 157	09/04/19 19:14	09/05/19 15:28	1
2,4,6-Tribromophenol	81		31 - 143	09/04/19 19:14	09/05/19 15:28	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.24		1.2	0.24	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Arsenic	6.9		0.61	0.21	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Barium	38		0.61	0.069	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Beryllium	0.41		0.24	0.057	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Cadmium	0.37	B	0.12	0.022	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Chromium	13		0.61	0.30	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Cobalt	8.2		0.30	0.080	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Copper	22		0.61	0.17	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Iron	24000	B	12	6.3	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Lead	19		0.30	0.14	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Magnesium	6800	B	6.1	3.0	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Calcium	8500	B	12	2.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Manganese	180		0.61	0.088	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Nickel	21		0.61	0.18	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Selenium	0.38	J	0.61	0.36	mg/Kg	☼	08/31/19 10:54	09/04/19 20:38	1
Silver	3.4		0.30	0.078	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Thallium	1.1		0.61	0.30	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Vanadium	20		0.30	0.072	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Zinc	81	B	1.2	0.53	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Potassium	1300		30	11	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1
Sodium	1200		61	9.0	mg/Kg	☼	08/31/19 10:54	09/03/19 17:23	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 12:02	1
Barium	0.24	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 12:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 12:02	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 12:02	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (5-9)

Lab Sample ID: 500-169016-6

Date Collected: 08/26/19 11:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	210		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 12:02	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:02	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:02	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:02	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 12:02	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 12:02	1
Magnesium	110		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 12:02	1
Manganese	2.9		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:02	1
Nickel	0.010	J	0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:02	1
Potassium	2.4	J	2.5	0.50	mg/L		09/05/19 15:12	09/06/19 14:55	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 12:02	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:02	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:02	1
Zinc	0.049	J	0.50	0.020	mg/L		09/05/19 15:12	09/06/19 12:02	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.053		0.050	0.010	mg/L		09/05/19 15:08	09/06/19 13:09	1
Barium	0.36	J	0.50	0.050	mg/L		09/05/19 15:08	09/06/19 13:09	1
Beryllium	0.0059		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 13:09	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 13:09	1
Calcium	18		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 13:09	1
Chromium	0.15		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:09	1
Cobalt	0.056		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:09	1
Copper	0.22		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:09	1
Iron	250		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 13:09	1
Lead	0.19		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 13:09	1
Magnesium	25		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:09	1
Manganese	1.4		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:09	1
Nickel	0.13		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:09	1
Potassium	24		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:09	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 13:09	1
Silver	0.014	J	0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:09	1
Vanadium	0.27		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:09	1
Zinc	0.89	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 13:09	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 15:17	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 15:17	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 16:32	1
Thallium	0.0022		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 16:32	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00044		0.00033	0.00033	mg/L		09/06/19 14:00	09/09/19 09:15	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B03 (5-9)

Lab Sample ID: 500-169016-6

Date Collected: 08/26/19 11:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.0

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 07:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.021	0.0072	mg/Kg	☼	08/30/19 15:10	09/03/19 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.31		0.63	0.31	mg/Kg	☼	09/05/19 09:15	09/05/19 14:44	1
pH	8.3		0.2	0.2	SU			08/30/19 10:25	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (0-5)

Lab Sample ID: 500-169016-7

Date Collected: 08/26/19 10:35

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 81.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.023		0.017	0.0074	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Benzene	<0.00043		0.0017	0.00043	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Bromodichloromethane	<0.00035		0.0017	0.00035	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Bromoform	<0.00050		0.0017	0.00050	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Bromomethane	<0.0016		0.0042	0.0016	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
2-Butanone (MEK)	0.0034 J		0.0042	0.0019	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Carbon disulfide	<0.00088		0.0042	0.00088	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Carbon tetrachloride	<0.00049		0.0017	0.00049	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Chlorobenzene	<0.00063		0.0017	0.00063	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Chloroethane	<0.0013		0.0042	0.0013	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Chloroform	<0.00059		0.0017	0.00059	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Chloromethane	<0.0017		0.0042	0.0017	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
cis-1,2-Dichloroethene	<0.00047		0.0017	0.00047	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
cis-1,3-Dichloropropene	<0.00051		0.0017	0.00051	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Dibromochloromethane	<0.00056		0.0017	0.00056	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
1,1-Dichloroethane	<0.00058		0.0017	0.00058	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
1,2-Dichloroethane	<0.0013		0.0042	0.0013	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
1,1-Dichloroethene	<0.00058		0.0017	0.00058	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
1,2-Dichloropropane	<0.00044		0.0017	0.00044	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
1,3-Dichloropropane, Total	<0.00060		0.0017	0.00060	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Ethylbenzene	<0.00081		0.0017	0.00081	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
2-Hexanone	<0.0013		0.0042	0.0013	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Methylene Chloride	<0.0017		0.0042	0.0017	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
4-Methyl-2-pentanone (MIBK)	<0.0013		0.0042	0.0013	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Methyl tert-butyl ether	<0.00050		0.0017	0.00050	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Styrene	<0.00051		0.0017	0.00051	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
1,1,2,2-Tetrachloroethane	<0.00054		0.0017	0.00054	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Tetrachloroethene	<0.00058		0.0017	0.00058	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Toluene	<0.00043		0.0017	0.00043	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
trans-1,2-Dichloroethene	<0.00075		0.0017	0.00075	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
trans-1,3-Dichloropropene	<0.00060		0.0017	0.00060	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
1,1,1-Trichloroethane	<0.00057		0.0017	0.00057	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
1,1,2-Trichloroethane	<0.00073		0.0017	0.00073	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Trichloroethene	<0.00057		0.0017	0.00057	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Vinyl acetate	<0.0015		0.0042	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Vinyl chloride	<0.00075		0.0017	0.00075	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1
Xylenes, Total	<0.00054		0.0034	0.00054	mg/Kg	☼	08/26/19 16:30	09/01/19 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		75 - 131	08/26/19 16:30	09/01/19 16:39	1
Dibromofluoromethane	99		75 - 126	08/26/19 16:30	09/01/19 16:39	1
1,2-Dichloroethane-d4 (Surr)	101		70 - 134	08/26/19 16:30	09/01/19 16:39	1
Toluene-d8 (Surr)	95		75 - 124	08/26/19 16:30	09/01/19 16:39	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0073		0.040	0.0073	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Acenaphthylene	<0.0053		0.040	0.0053	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Anthracene	<0.0068		0.040	0.0068	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Benzo[a]anthracene	<0.0054		0.040	0.0054	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (0-5)

Lab Sample ID: 500-169016-7

Date Collected: 08/26/19 10:35

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0078		0.040	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Benzo[b]fluoranthene	<0.0087		0.040	0.0087	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Benzo[g,h,i]perylene	0.018	J	0.040	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Benzo[k]fluoranthene	<0.012		0.040	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Bis(2-chloroethoxy)methane	<0.041		0.20	0.041	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Bis(2-chloroethyl)ether	<0.061		0.20	0.061	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Bis(2-ethylhexyl) phthalate	<0.074		0.20	0.074	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
4-Bromophenyl phenyl ether	<0.053		0.20	0.053	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Butyl benzyl phthalate	<0.077		0.20	0.077	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Carbazole	<0.10		0.20	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
4-Chloroaniline	<0.19		0.82	0.19	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
4-Chloro-3-methylphenol	<0.14		0.40	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2-Chloronaphthalene	<0.045		0.20	0.045	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2-Chlorophenol	<0.069		0.20	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
4-Chlorophenyl phenyl ether	<0.047		0.20	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Chrysene	<0.011		0.040	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Dibenz(a,h)anthracene	<0.0078		0.040	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Dibenzofuran	<0.047		0.20	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
1,2-Dichlorobenzene	<0.048		0.20	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
1,3-Dichlorobenzene	<0.046		0.20	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
1,4-Dichlorobenzene	<0.052		0.20	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
3,3'-Dichlorobenzidine	<0.057		0.20	0.057	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2,4-Dichlorophenol	<0.096		0.40	0.096	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Diethyl phthalate	<0.069		0.20	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2,4-Dimethylphenol	<0.15		0.40	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Dimethyl phthalate	<0.053		0.20	0.053	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Di-n-butyl phthalate	<0.062		0.20	0.062	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
4,6-Dinitro-2-methylphenol	<0.33		0.82	0.33	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2,4-Dinitrophenol	<0.71		0.82	0.71	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2,4-Dinitrotoluene	<0.064		0.20	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2,6-Dinitrotoluene	<0.080		0.20	0.080	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Di-n-octyl phthalate	<0.066		0.20	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Fluoranthene	<0.0075		0.040	0.0075	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Fluorene	<0.0057		0.040	0.0057	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Hexachlorobenzene	<0.0094		0.082	0.0094	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Hexachlorobutadiene	<0.064		0.20	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Hexachlorocyclopentadiene	<0.23		0.82	0.23	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Hexachloroethane	<0.061		0.20	0.061	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Indeno[1,2,3-cd]pyrene	<0.010		0.040	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Isophorone	<0.045		0.20	0.045	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2-Methylnaphthalene	<0.0074		0.082	0.0074	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2-Methylphenol	<0.065		0.20	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
3 & 4 Methylphenol	<0.067		0.20	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Naphthalene	<0.0062		0.040	0.0062	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2-Nitroaniline	<0.054		0.20	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
3-Nitroaniline	<0.13		0.40	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
4-Nitroaniline	<0.17		0.40	0.17	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Nitrobenzene	<0.010		0.040	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2-Nitrophenol	<0.096		0.40	0.096	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (0-5)

Lab Sample ID: 500-169016-7

Date Collected: 08/26/19 10:35

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 81.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.38		0.82	0.38	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
N-Nitrosodi-n-propylamine	<0.049		0.082	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
N-Nitrosodiphenylamine	<0.048		0.20	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2,2'-oxybis[1-chloropropane]	<0.047		0.20	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Pentachlorophenol	<0.65		0.82	0.65	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Phenanthrene	<0.0056		0.040	0.0056	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Phenol	<0.090		0.20	0.090	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
Pyrene	<0.0080		0.040	0.0080	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
1,2,4-Trichlorobenzene	<0.044		0.20	0.044	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2,4,5-Trichlorophenol	<0.092		0.40	0.092	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1
2,4,6-Trichlorophenol	<0.14		0.40	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		43 - 145	09/04/19 19:14	09/05/19 15:52	1
2-Fluorophenol	70		31 - 166	09/04/19 19:14	09/05/19 15:52	1
Nitrobenzene-d5	74		37 - 147	09/04/19 19:14	09/05/19 15:52	1
Phenol-d5	66		30 - 153	09/04/19 19:14	09/05/19 15:52	1
Terphenyl-d14	111		42 - 157	09/04/19 19:14	09/05/19 15:52	1
2,4,6-Tribromophenol	84		31 - 143	09/04/19 19:14	09/05/19 15:52	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.24		1.2	0.24	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Arsenic	5.7		0.61	0.21	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Barium	100		0.61	0.069	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Beryllium	0.64		0.24	0.057	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Cadmium	0.32	B	0.12	0.022	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Chromium	16		0.61	0.30	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Cobalt	8.8		0.30	0.079	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Copper	16		0.61	0.17	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Iron	20000	B	12	6.3	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Lead	16		0.30	0.14	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Magnesium	3100	B	6.1	3.0	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Calcium	2500	B	12	2.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Manganese	320		0.61	0.088	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Nickel	22		0.61	0.18	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Selenium	<0.36		0.61	0.36	mg/Kg	☼	08/31/19 10:54	09/04/19 20:42	1
Silver	4.3		0.30	0.078	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Thallium	1.1		0.61	0.30	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Vanadium	24		0.30	0.072	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Zinc	67	B	1.2	0.53	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Potassium	1700		30	11	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1
Sodium	1600		61	9.0	mg/Kg	☼	08/31/19 10:54	09/03/19 17:27	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 12:06	1
Barium	0.27	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 12:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 12:06	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 12:06	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (0-5)

Lab Sample ID: 500-169016-7

Date Collected: 08/26/19 10:35

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	43		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 12:06	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:06	1
Cobalt	0.014	J	0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:06	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:06	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 12:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 12:06	1
Magnesium	11		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 12:06	1
Manganese	6.0		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:06	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:06	1
Potassium	3.8		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 15:00	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 12:06	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:06	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:06	1
Zinc	0.11	J	0.50	0.020	mg/L		09/05/19 15:12	09/06/19 12:06	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		09/05/19 15:08	09/06/19 13:13	1
Barium	0.81		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 13:13	1
Beryllium	0.0059		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 13:13	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 13:13	1
Calcium	15		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 13:13	1
Chromium	0.17		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:13	1
Cobalt	0.050		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:13	1
Copper	0.13		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:13	1
Iron	180		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 13:13	1
Lead	0.095		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 13:13	1
Magnesium	26		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:13	1
Manganese	1.8		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:13	1
Nickel	0.14		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:13	1
Potassium	26		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:13	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 13:13	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:13	1
Vanadium	0.28		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:13	1
Zinc	0.55	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 13:13	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 15:20	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 15:20	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 16:36	1
Thallium	0.0021		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 16:36	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00046		0.00033	0.00033	mg/L		09/06/19 14:00	09/09/19 09:17	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (0-5)

Lab Sample ID: 500-169016-7

Date Collected: 08/26/19 10:35

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 81.0

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 07:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.020	0.0067	mg/Kg	☼	08/30/19 15:10	09/03/19 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.29		0.57	0.29	mg/Kg	☼	09/05/19 09:15	09/05/19 14:44	1
pH	7.8		0.2	0.2	SU			08/30/19 10:27	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (5-9)

Lab Sample ID: 500-169016-8

Date Collected: 08/26/19 10:40

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.030		0.019	0.0081	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Benzene	<0.00047		0.0019	0.00047	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Bromodichloromethane	<0.00038		0.0019	0.00038	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Bromoform	<0.00054		0.0019	0.00054	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Bromomethane	<0.0018		0.0046	0.0018	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
2-Butanone (MEK)	0.0033 J		0.0046	0.0021	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Carbon disulfide	<0.00097		0.0046	0.00097	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Carbon tetrachloride	<0.00054		0.0019	0.00054	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Chlorobenzene	<0.00069		0.0019	0.00069	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Chloroethane	<0.0014		0.0046	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Chloroform	<0.00064		0.0019	0.00064	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Chloromethane	<0.0019		0.0046	0.0019	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
cis-1,2-Dichloroethene	<0.00052		0.0019	0.00052	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
cis-1,3-Dichloropropene	<0.00056		0.0019	0.00056	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Dibromochloromethane	<0.00061		0.0019	0.00061	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
1,1-Dichloroethane	<0.00064		0.0019	0.00064	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
1,2-Dichloroethane	<0.0014		0.0046	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
1,1-Dichloroethene	<0.00064		0.0019	0.00064	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
1,2-Dichloropropane	<0.00048		0.0019	0.00048	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
1,3-Dichloropropane, Total	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Ethylbenzene	<0.00089		0.0019	0.00089	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
2-Hexanone	<0.0014		0.0046	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Methylene Chloride	<0.0018		0.0046	0.0018	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0046	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Methyl tert-butyl ether	<0.00055		0.0019	0.00055	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Styrene	<0.00056		0.0019	0.00056	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
1,1,2,2-Tetrachloroethane	<0.00059		0.0019	0.00059	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Tetrachloroethene	<0.00063		0.0019	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Toluene	<0.00047		0.0019	0.00047	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
trans-1,2-Dichloroethene	<0.00082		0.0019	0.00082	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
trans-1,3-Dichloropropene	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
1,1,1-Trichloroethane	<0.00062		0.0019	0.00062	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
1,1,2-Trichloroethane	<0.00080		0.0019	0.00080	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Trichloroethene	<0.00063		0.0019	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Vinyl acetate	<0.0016		0.0046	0.0016	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Vinyl chloride	<0.00082		0.0019	0.00082	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1
Xylenes, Total	<0.00059		0.0037	0.00059	mg/Kg	☼	08/26/19 16:30	09/03/19 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/26/19 16:30	09/03/19 19:33	1
Dibromofluoromethane	101		75 - 126	08/26/19 16:30	09/03/19 19:33	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 134	08/26/19 16:30	09/03/19 19:33	1
Toluene-d8 (Surr)	95		75 - 124	08/26/19 16:30	09/03/19 19:33	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0076		0.042	0.0076	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Acenaphthylene	<0.0056		0.042	0.0056	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Anthracene	<0.0071		0.042	0.0071	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Benzo[a]anthracene	<0.0057		0.042	0.0057	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (5-9)

Lab Sample ID: 500-169016-8

Date Collected: 08/26/19 10:40

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Benzo[b]fluoranthene	<0.0091		0.042	0.0091	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Benzo[g,h,i]perylene	<0.014		0.042	0.014	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Benzo[k]fluoranthene	<0.012		0.042	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Bis(2-chloroethoxy)methane	<0.043		0.21	0.043	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Bis(2-chloroethyl)ether	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Bis(2-ethylhexyl) phthalate	<0.077		0.21	0.077	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
4-Bromophenyl phenyl ether	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Butyl benzyl phthalate	<0.080		0.21	0.080	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Carbazole	<0.11		0.21	0.11	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
4-Chloroaniline	<0.20		0.85	0.20	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
4-Chloro-3-methylphenol	<0.14		0.42	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2-Chloronaphthalene	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2-Chlorophenol	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
4-Chlorophenyl phenyl ether	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Chrysene	<0.012		0.042	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Dibenz(a,h)anthracene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Dibenzofuran	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
1,2-Dichlorobenzene	<0.051		0.21	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
1,3-Dichlorobenzene	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
1,4-Dichlorobenzene	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
3,3'-Dichlorobenzidine	<0.059		0.21	0.059	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2,4-Dichlorophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Diethyl phthalate	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2,4-Dimethylphenol	<0.16		0.42	0.16	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Dimethyl phthalate	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Di-n-butyl phthalate	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
4,6-Dinitro-2-methylphenol	<0.34		0.85	0.34	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2,4-Dinitrophenol	<0.74		0.85	0.74	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2,4-Dinitrotoluene	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2,6-Dinitrotoluene	<0.083		0.21	0.083	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Di-n-octyl phthalate	<0.069		0.21	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Fluoranthene	<0.0078		0.042	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Fluorene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Hexachlorobenzene	<0.0098		0.085	0.0098	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Hexachlorobutadiene	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Hexachlorocyclopentadiene	<0.24		0.85	0.24	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Hexachloroethane	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Indeno[1,2,3-cd]pyrene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Isophorone	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2-Methylnaphthalene	<0.0078		0.085	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2-Methylphenol	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
3 & 4 Methylphenol	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Naphthalene	<0.0065		0.042	0.0065	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2-Nitroaniline	<0.057		0.21	0.057	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
3-Nitroaniline	<0.13		0.42	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
4-Nitroaniline	<0.18		0.42	0.18	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Nitrobenzene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2-Nitrophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (5-9)

Lab Sample ID: 500-169016-8

Date Collected: 08/26/19 10:40

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.40		0.85	0.40	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
N-Nitrosodi-n-propylamine	<0.052		0.085	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
N-Nitrosodiphenylamine	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2,2'-oxybis[1-chloropropane]	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Pentachlorophenol	<0.68		0.85	0.68	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Phenanthrene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Phenol	<0.094		0.21	0.094	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
Pyrene	<0.0084		0.042	0.0084	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
1,2,4-Trichlorobenzene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2,4,5-Trichlorophenol	<0.096		0.42	0.096	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1
2,4,6-Trichlorophenol	<0.15		0.42	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	64		43 - 145	09/04/19 19:14	09/05/19 16:15	1
2-Fluorophenol	61		31 - 166	09/04/19 19:14	09/05/19 16:15	1
Nitrobenzene-d5	57		37 - 147	09/04/19 19:14	09/05/19 16:15	1
Phenol-d5	61		30 - 153	09/04/19 19:14	09/05/19 16:15	1
Terphenyl-d14	106		42 - 157	09/04/19 19:14	09/05/19 16:15	1
2,4,6-Tribromophenol	87		31 - 143	09/04/19 19:14	09/05/19 16:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.25		1.3	0.25	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Arsenic	11		0.63	0.22	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Barium	73		0.63	0.072	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Beryllium	0.49		0.25	0.059	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Cadmium	0.35	B	0.13	0.023	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Chromium	14		0.63	0.31	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Cobalt	12		0.32	0.083	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Copper	17		0.63	0.18	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Iron	27000	B	13	6.6	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Lead	16		0.32	0.15	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Magnesium	2900	B	6.3	3.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Calcium	2000	B	13	2.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Manganese	450		0.63	0.091	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Nickel	22		0.63	0.18	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Selenium	0.43	J B	0.63	0.37	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Silver	4.1		0.32	0.081	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Thallium	1.1		0.63	0.31	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Vanadium	23		0.32	0.074	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Zinc	72	B	1.3	0.55	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Potassium	1200		32	11	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1
Sodium	1200		63	9.3	mg/Kg	☼	08/31/19 10:54	09/03/19 17:39	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 12:10	1
Barium	0.11	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 12:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 12:10	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 12:10	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (5-9)

Lab Sample ID: 500-169016-8

Date Collected: 08/26/19 10:40

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	38		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 12:10	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:10	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:10	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:10	1
Iron	0.28	J	0.40	0.20	mg/L		09/05/19 15:12	09/06/19 12:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 12:10	1
Magnesium	12		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 12:10	1
Manganese	2.0		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:10	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:10	1
Potassium	1.9	J	2.5	0.50	mg/L		09/05/19 15:12	09/06/19 15:04	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 12:10	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:10	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:10	1
Zinc	<0.020		0.50	0.020	mg/L		09/05/19 15:12	09/06/19 12:10	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.12		0.050	0.010	mg/L		09/05/19 15:08	09/06/19 13:17	1
Barium	0.54		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 13:17	1
Beryllium	0.0081		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 13:17	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 13:17	1
Calcium	21		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 13:17	1
Chromium	0.23		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:17	1
Cobalt	0.073		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:17	1
Copper	0.20		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:17	1
Iron	330		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 13:17	1
Lead	0.17		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 13:17	1
Magnesium	35		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:17	1
Manganese	1.4		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:17	1
Nickel	0.21		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:17	1
Potassium	31		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:17	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 13:17	1
Silver	0.020	J	0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:17	1
Vanadium	0.38		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:17	1
Zinc	1.3	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 13:17	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 15:24	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 15:24	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 16:39	1
Thallium	0.0025		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 16:39	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00062		0.00033	0.00033	mg/L		09/06/19 14:00	09/09/19 09:19	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B04 (5-9)

Lab Sample ID: 500-169016-8

Date Collected: 08/26/19 10:40

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.5

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 07:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.020	0.0066	mg/Kg	☼	08/30/19 15:10	09/03/19 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.26		0.53	0.26	mg/Kg	☼	09/05/19 09:15	09/05/19 14:44	1
pH	8.1		0.2	0.2	SU			08/30/19 10:30	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (0-5)

Lab Sample ID: 500-169016-9

Date Collected: 08/26/19 10:15

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.039		0.019	0.0082	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Benzene	<0.00048		0.0019	0.00048	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Bromodichloromethane	<0.00038		0.0019	0.00038	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Bromoform	<0.00055		0.0019	0.00055	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Bromomethane	<0.0018		0.0047	0.0018	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
2-Butanone (MEK)	0.0084		0.0047	0.0021	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Carbon disulfide	<0.00098		0.0047	0.00098	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Carbon tetrachloride	<0.00054		0.0019	0.00054	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Chlorobenzene	<0.00069		0.0019	0.00069	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Chloroethane	<0.0014		0.0047	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Chloroform	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Chloromethane	<0.0019		0.0047	0.0019	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
cis-1,2-Dichloroethene	<0.00052		0.0019	0.00052	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
cis-1,3-Dichloropropene	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Dibromochloromethane	<0.00061		0.0019	0.00061	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
1,1-Dichloroethane	<0.00064		0.0019	0.00064	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
1,2-Dichloroethane	<0.0015		0.0047	0.0015	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
1,1-Dichloroethene	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
1,2-Dichloropropane	<0.00048		0.0019	0.00048	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
1,3-Dichloropropane, Total	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Ethylbenzene	<0.00090		0.0019	0.00090	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
2-Hexanone	<0.0015		0.0047	0.0015	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Methylene Chloride	<0.0018		0.0047	0.0018	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0047	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Methyl tert-butyl ether	<0.00055		0.0019	0.00055	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Styrene	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
1,1,2,2-Tetrachloroethane	<0.00060		0.0019	0.00060	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Tetrachloroethene	<0.00064		0.0019	0.00064	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Toluene	<0.00047		0.0019	0.00047	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
trans-1,2-Dichloroethene	<0.00083		0.0019	0.00083	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
trans-1,3-Dichloropropene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
1,1,1-Trichloroethane	<0.00063		0.0019	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
1,1,2-Trichloroethane	<0.00080		0.0019	0.00080	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Trichloroethene	<0.00063		0.0019	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Vinyl acetate	<0.0016		0.0047	0.0016	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Vinyl chloride	<0.00083		0.0019	0.00083	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1
Xylenes, Total	<0.00060		0.0038	0.00060	mg/Kg	☼	08/26/19 16:30	09/03/19 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	08/26/19 16:30	09/03/19 19:59	1
Dibromofluoromethane	100		75 - 126	08/26/19 16:30	09/03/19 19:59	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	08/26/19 16:30	09/03/19 19:59	1
Toluene-d8 (Surr)	94		75 - 124	08/26/19 16:30	09/03/19 19:59	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0076		0.042	0.0076	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Acenaphthylene	<0.0056		0.042	0.0056	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Anthracene	<0.0071		0.042	0.0071	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Benzof[a]anthracene	<0.0057		0.042	0.0057	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (0-5)

Lab Sample ID: 500-169016-9

Date Collected: 08/26/19 10:15

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Benzo[b]fluoranthene	<0.0091		0.042	0.0091	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Benzo[g,h,i]perylene	<0.014		0.042	0.014	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Benzo[k]fluoranthene	<0.012		0.042	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Bis(2-chloroethoxy)methane	<0.043		0.21	0.043	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Bis(2-chloroethyl)ether	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Bis(2-ethylhexyl) phthalate	<0.077		0.21	0.077	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
4-Bromophenyl phenyl ether	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Butyl benzyl phthalate	<0.080		0.21	0.080	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Carbazole	<0.11		0.21	0.11	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
4-Chloroaniline	<0.20		0.85	0.20	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
4-Chloro-3-methylphenol	<0.14		0.42	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2-Chloronaphthalene	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2-Chlorophenol	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
4-Chlorophenyl phenyl ether	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Chrysene	0.016 J		0.042	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Dibenz(a,h)anthracene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Dibenzofuran	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
1,2-Dichlorobenzene	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
1,3-Dichlorobenzene	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
1,4-Dichlorobenzene	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
3,3'-Dichlorobenzidine	<0.059		0.21	0.059	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2,4-Dichlorophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Diethyl phthalate	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2,4-Dimethylphenol	<0.16		0.42	0.16	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Dimethyl phthalate	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Di-n-butyl phthalate	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
4,6-Dinitro-2-methylphenol	<0.34		0.85	0.34	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2,4-Dinitrophenol	<0.74		0.85	0.74	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2,4-Dinitrotoluene	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2,6-Dinitrotoluene	<0.083		0.21	0.083	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Di-n-octyl phthalate	<0.069		0.21	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Fluoranthene	0.013 J		0.042	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Fluorene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Hexachlorobenzene	<0.0098		0.085	0.0098	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Hexachlorobutadiene	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Hexachlorocyclopentadiene	<0.24		0.85	0.24	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Hexachloroethane	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Indeno[1,2,3-cd]pyrene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Isophorone	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2-Methylnaphthalene	<0.0078		0.085	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2-Methylphenol	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
3 & 4 Methylphenol	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Naphthalene	<0.0065		0.042	0.0065	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2-Nitroaniline	<0.057		0.21	0.057	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
3-Nitroaniline	<0.13		0.42	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
4-Nitroaniline	<0.18		0.42	0.18	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Nitrobenzene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2-Nitrophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (0-5)

Lab Sample ID: 500-169016-9

Date Collected: 08/26/19 10:15

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.40		0.85	0.40	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
N-Nitrosodi-n-propylamine	<0.052		0.085	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
N-Nitrosodiphenylamine	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2,2'-oxybis[1-chloropropane]	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Pentachlorophenol	<0.68		0.85	0.68	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Phenanthrene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Phenol	<0.094		0.21	0.094	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
Pyrene	0.013	J	0.042	0.0084	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
1,2,4-Trichlorobenzene	<0.045		0.21	0.045	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2,4,5-Trichlorophenol	<0.096		0.42	0.096	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1
2,4,6-Trichlorophenol	<0.14		0.42	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		43 - 145	09/04/19 19:14	09/05/19 19:02	1
2-Fluorophenol	71		31 - 166	09/04/19 19:14	09/05/19 19:02	1
Nitrobenzene-d5	75		37 - 147	09/04/19 19:14	09/05/19 19:02	1
Phenol-d5	67		30 - 153	09/04/19 19:14	09/05/19 19:02	1
Terphenyl-d14	112		42 - 157	09/04/19 19:14	09/05/19 19:02	1
2,4,6-Tribromophenol	85		31 - 143	09/04/19 19:14	09/05/19 19:02	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.23		1.2	0.23	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Arsenic	8.6		0.59	0.20	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Barium	110		0.59	0.067	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Beryllium	0.66		0.24	0.055	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Cadmium	0.41	B	0.12	0.021	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Chromium	15		0.59	0.29	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Cobalt	11		0.30	0.077	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Copper	18		0.59	0.17	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Iron	22000	B	12	6.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Lead	25		0.30	0.14	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Magnesium	3100	B	5.9	2.9	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Calcium	2900	B	12	2.0	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Manganese	360		0.59	0.086	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Nickel	23		0.59	0.17	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Selenium	0.44	J	0.59	0.35	mg/Kg	☼	08/31/19 10:54	09/04/19 20:46	1
Silver	4.2		0.30	0.076	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Thallium	1.1		0.59	0.29	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Vanadium	24		0.30	0.070	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Zinc	100	B	1.2	0.52	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Potassium	1700		30	10	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1
Sodium	1900		59	8.7	mg/Kg	☼	08/31/19 10:54	09/03/19 17:43	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 12:14	1
Barium	0.37	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 12:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 12:14	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 12:14	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (0-5)

Lab Sample ID: 500-169016-9

Date Collected: 08/26/19 10:15

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	62		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 12:14	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:14	1
Cobalt	0.017	J	0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:14	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:14	1
Iron	0.26	J	0.40	0.20	mg/L		09/05/19 15:12	09/06/19 12:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 12:14	1
Magnesium	16		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 12:14	1
Manganese	7.3		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:14	1
Nickel	0.011	J	0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:14	1
Potassium	4.7		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 15:08	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 12:14	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:14	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:14	1
Zinc	0.74		0.50	0.020	mg/L		09/05/19 15:12	09/06/19 12:14	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.042	J	0.050	0.010	mg/L		09/05/19 15:08	09/06/19 13:21	1
Barium	0.74		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 13:21	1
Beryllium	0.0056		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 13:21	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 13:21	1
Calcium	14		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 13:21	1
Chromium	0.16		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:21	1
Cobalt	0.043		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:21	1
Copper	0.12		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:21	1
Iron	150		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 13:21	1
Lead	0.11		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 13:21	1
Magnesium	23		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:21	1
Manganese	0.87		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:21	1
Nickel	0.12		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:21	1
Potassium	26		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:21	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 13:21	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:21	1
Vanadium	0.24		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:21	1
Zinc	0.78	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 13:21	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 15:27	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 15:27	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 16:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 16:43	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00039		0.00033	0.00033	mg/L		09/06/19 14:00	09/09/19 09:20	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (0-5)

Lab Sample ID: 500-169016-9

Date Collected: 08/26/19 10:15

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.2

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 07:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.021	0.0069	mg/Kg	☼	08/30/19 15:10	09/03/19 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.26		0.52	0.26	mg/Kg	☼	09/05/19 09:15	09/05/19 14:45	1
pH	7.4		0.2	0.2	SU			08/30/19 10:33	1



Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (5-9)

Lab Sample ID: 500-169016-10

Date Collected: 08/26/19 10:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.018		0.018	0.0081	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Benzene	<0.00047		0.0018	0.00047	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Bromodichloromethane	<0.00038		0.0018	0.00038	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Bromoform	<0.00054		0.0018	0.00054	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Bromomethane	<0.0017		0.0046	0.0017	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
2-Butanone (MEK)	<0.0021		0.0046	0.0021	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Carbon disulfide	<0.00096		0.0046	0.00096	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Carbon tetrachloride	<0.00054		0.0018	0.00054	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Chlorobenzene	<0.00068		0.0018	0.00068	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Chloroethane	<0.0014		0.0046	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Chloroform	<0.00064		0.0018	0.00064	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Chloromethane	<0.0019		0.0046	0.0019	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
cis-1,2-Dichloroethene	<0.00052		0.0018	0.00052	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
cis-1,3-Dichloropropene	<0.00056		0.0018	0.00056	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Dibromochloromethane	<0.00060		0.0018	0.00060	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
1,1-Dichloroethane	<0.00063		0.0018	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
1,2-Dichloroethane	<0.0014		0.0046	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
1,1-Dichloroethene	<0.00064		0.0018	0.00064	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
1,2-Dichloropropane	<0.00048		0.0018	0.00048	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
1,3-Dichloropropane, Total	<0.00065		0.0018	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Ethylbenzene	<0.00088		0.0018	0.00088	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
2-Hexanone	<0.0014		0.0046	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Methylene Chloride	<0.0018		0.0046	0.0018	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0046	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Methyl tert-butyl ether	<0.00054		0.0018	0.00054	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Styrene	<0.00056		0.0018	0.00056	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
1,1,2,2-Tetrachloroethane	<0.00059		0.0018	0.00059	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Tetrachloroethene	<0.00063		0.0018	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Toluene	<0.00047		0.0018	0.00047	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
trans-1,2-Dichloroethene	<0.00082		0.0018	0.00082	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
trans-1,3-Dichloropropene	<0.00065		0.0018	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
1,1,1-Trichloroethane	<0.00062		0.0018	0.00062	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
1,1,2-Trichloroethane	<0.00079		0.0018	0.00079	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Trichloroethene	<0.00062		0.0018	0.00062	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Vinyl acetate	<0.0016		0.0046	0.0016	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Vinyl chloride	<0.00082		0.0018	0.00082	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1
Xylenes, Total	<0.00059		0.0037	0.00059	mg/Kg	☼	08/26/19 16:30	09/03/19 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	08/26/19 16:30	09/03/19 20:25	1
Dibromofluoromethane	99		75 - 126	08/26/19 16:30	09/03/19 20:25	1
1,2-Dichloroethane-d4 (Surr)	109		70 - 134	08/26/19 16:30	09/03/19 20:25	1
Toluene-d8 (Surr)	95		75 - 124	08/26/19 16:30	09/03/19 20:25	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0074		0.041	0.0074	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Acenaphthylene	<0.0054		0.041	0.0054	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Anthracene	<0.0069		0.041	0.0069	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Benzo[a]anthracene	<0.0055		0.041	0.0055	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (5-9)

Lab Sample ID: 500-169016-10

Date Collected: 08/26/19 10:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0080		0.041	0.0080	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Benzo[b]fluoranthene	<0.0089		0.041	0.0089	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Benzo[g,h,i]perylene	<0.013		0.041	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Benzo[k]fluoranthene	<0.012		0.041	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Bis(2-chloroethoxy)methane	<0.042		0.21	0.042	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Bis(2-chloroethyl)ether	<0.062		0.21	0.062	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Bis(2-ethylhexyl) phthalate	<0.075		0.21	0.075	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
4-Bromophenyl phenyl ether	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Butyl benzyl phthalate	<0.078		0.21	0.078	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Carbazole	<0.10		0.21	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
4-Chloroaniline	<0.19		0.83	0.19	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
4-Chloro-3-methylphenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2-Chloronaphthalene	<0.045		0.21	0.045	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2-Chlorophenol	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
4-Chlorophenyl phenyl ether	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Chrysene	<0.011		0.041	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Dibenz(a,h)anthracene	<0.0079		0.041	0.0079	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Dibenzofuran	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
1,2-Dichlorobenzene	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
1,3-Dichlorobenzene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
1,4-Dichlorobenzene	<0.053		0.21	0.053	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
3,3'-Dichlorobenzidine	<0.058		0.21	0.058	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2,4-Dichlorophenol	<0.098		0.41	0.098	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Diethyl phthalate	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2,4-Dimethylphenol	<0.16		0.41	0.16	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Dimethyl phthalate	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Di-n-butyl phthalate	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
4,6-Dinitro-2-methylphenol	<0.33		0.83	0.33	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2,4-Dinitrophenol	<0.72		0.83	0.72	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2,4-Dinitrotoluene	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2,6-Dinitrotoluene	<0.081		0.21	0.081	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Di-n-octyl phthalate	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Fluoranthene	<0.0076		0.041	0.0076	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Fluorene	<0.0058		0.041	0.0058	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Hexachlorobenzene	<0.0095		0.083	0.0095	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Hexachlorobutadiene	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Hexachlorocyclopentadiene	<0.24		0.83	0.24	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Hexachloroethane	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Indeno[1,2,3-cd]pyrene	<0.011		0.041	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Isophorone	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2-Methylnaphthalene	<0.0076		0.083	0.0076	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2-Methylphenol	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
3 & 4 Methylphenol	<0.069		0.21	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Naphthalene	<0.0063		0.041	0.0063	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2-Nitroaniline	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
3-Nitroaniline	<0.13		0.41	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
4-Nitroaniline	<0.17		0.41	0.17	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Nitrobenzene	<0.010		0.041	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2-Nitrophenol	<0.097		0.41	0.097	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (5-9)

Lab Sample ID: 500-169016-10

Date Collected: 08/26/19 10:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.39		0.83	0.39	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
N-Nitrosodi-n-propylamine	<0.050		0.083	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
N-Nitrosodiphenylamine	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2,2'-oxybis[1-chloropropane]	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Pentachlorophenol	<0.66		0.83	0.66	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Phenanthrene	<0.0057		0.041	0.0057	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Phenol	<0.091		0.21	0.091	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
Pyrene	<0.0082		0.041	0.0082	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
1,2,4-Trichlorobenzene	<0.044		0.21	0.044	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2,4,5-Trichlorophenol	<0.094		0.41	0.094	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1
2,4,6-Trichlorophenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		43 - 145	09/04/19 19:14	09/05/19 17:27	1
2-Fluorophenol	60		31 - 166	09/04/19 19:14	09/05/19 17:27	1
Nitrobenzene-d5	61		37 - 147	09/04/19 19:14	09/05/19 17:27	1
Phenol-d5	58		30 - 153	09/04/19 19:14	09/05/19 17:27	1
Terphenyl-d14	96		42 - 157	09/04/19 19:14	09/05/19 17:27	1
2,4,6-Tribromophenol	78		31 - 143	09/04/19 19:14	09/05/19 17:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.24		1.3	0.24	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Arsenic	7.4		0.63	0.21	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Barium	62		0.63	0.072	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Beryllium	0.58		0.25	0.059	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Cadmium	0.31	B	0.13	0.023	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Chromium	15		0.63	0.31	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Cobalt	6.8		0.31	0.082	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Copper	18		0.63	0.18	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Iron	20000	B	13	6.5	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Lead	18		0.31	0.14	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Magnesium	2900	B	6.3	3.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Calcium	1900	B	13	2.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Manganese	190		0.63	0.091	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Nickel	20		0.63	0.18	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Selenium	<0.37		0.63	0.37	mg/Kg	☼	08/31/19 10:54	09/04/19 20:50	1
Silver	4.2		0.31	0.081	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Thallium	1.1		0.63	0.31	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Vanadium	24		0.31	0.074	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Zinc	65	B	1.3	0.55	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Potassium	1200		31	11	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1
Sodium	1500		63	9.3	mg/Kg	☼	08/31/19 10:54	09/03/19 17:47	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 12:19	1
Barium	0.12	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 12:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 12:19	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 12:19	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (5-9)

Lab Sample ID: 500-169016-10

Date Collected: 08/26/19 10:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	32		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 12:19	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:19	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:19	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:19	1
Iron	0.61		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 12:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 12:19	1
Magnesium	8.2		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 12:19	1
Manganese	2.2		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:19	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:19	1
Potassium	1.8	J	2.5	0.50	mg/L		09/05/19 15:12	09/06/19 15:12	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 12:19	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:19	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:19	1
Zinc	<0.020		0.50	0.020	mg/L		09/05/19 15:12	09/06/19 12:19	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.084		0.050	0.010	mg/L		09/05/19 15:08	09/06/19 13:33	1
Barium	0.69		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 13:33	1
Beryllium	0.0094		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 13:33	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 13:33	1
Calcium	22		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 13:33	1
Chromium	0.23		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:33	1
Cobalt	0.068		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:33	1
Copper	0.24		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:33	1
Iron	250		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 13:33	1
Lead	0.20		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 13:33	1
Magnesium	37		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:33	1
Manganese	2.0		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:33	1
Nickel	0.20		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:33	1
Potassium	31		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:33	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 13:33	1
Silver	0.021	J	0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:33	1
Vanadium	0.36		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:33	1
Zinc	1.1	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 13:33	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 15:31	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 15:31	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 16:46	1
Thallium	0.0027		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 16:46	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00069		0.00033	0.00033	mg/L		09/06/19 14:00	09/09/19 09:22	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B05 (5-9)

Lab Sample ID: 500-169016-10

Date Collected: 08/26/19 10:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.5

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 07:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.020	0.0066	mg/Kg	☼	08/30/19 15:10	09/03/19 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.25		0.50	0.25	mg/Kg	☼	09/05/19 09:15	09/05/19 14:45	1
pH	8.2		0.2	0.2	SU			08/30/19 10:36	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (0-5)

Lab Sample ID: 500-169016-11

Date Collected: 08/26/19 09:45

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.031		0.022	0.0094	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Benzene	<0.00055		0.0022	0.00055	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Bromodichloromethane	<0.00044		0.0022	0.00044	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Bromoform	<0.00063		0.0022	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Bromomethane	<0.0020		0.0054	0.0020	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
2-Butanone (MEK)	0.0072		0.0054	0.0024	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Carbon disulfide	<0.0011		0.0054	0.0011	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Carbon tetrachloride	<0.00063		0.0022	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Chlorobenzene	<0.00080		0.0022	0.00080	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Chloroethane	<0.0016		0.0054	0.0016	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Chloroform	<0.00075		0.0022	0.00075	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Chloromethane	<0.0022		0.0054	0.0022	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
cis-1,2-Dichloroethene	<0.00060		0.0022	0.00060	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
cis-1,3-Dichloropropene	<0.00065		0.0022	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Dibromochloromethane	<0.00071		0.0022	0.00071	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
1,1-Dichloroethane	<0.00074		0.0022	0.00074	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
1,2-Dichloroethane	<0.0017		0.0054	0.0017	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
1,1-Dichloroethene	<0.00074		0.0022	0.00074	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
1,2-Dichloropropane	<0.00056		0.0022	0.00056	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
1,3-Dichloropropane, Total	<0.00076		0.0022	0.00076	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Ethylbenzene	<0.0010		0.0022	0.0010	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
2-Hexanone	<0.0017		0.0054	0.0017	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Methylene Chloride	<0.0021		0.0054	0.0021	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
4-Methyl-2-pentanone (MIBK)	<0.0016		0.0054	0.0016	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Methyl tert-butyl ether	<0.00063		0.0022	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Styrene	<0.00065		0.0022	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
1,1,2,2-Tetrachloroethane	<0.00069		0.0022	0.00069	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Tetrachloroethene	<0.00073		0.0022	0.00073	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Toluene	<0.00054		0.0022	0.00054	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
trans-1,2-Dichloroethene	<0.00096		0.0022	0.00096	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
trans-1,3-Dichloropropene	<0.00076		0.0022	0.00076	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
1,1,1-Trichloroethane	<0.00072		0.0022	0.00072	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
1,1,2-Trichloroethane	<0.00093		0.0022	0.00093	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Trichloroethene	<0.00073		0.0022	0.00073	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Vinyl acetate	<0.0019		0.0054	0.0019	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Vinyl chloride	<0.00095		0.0022	0.00095	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1
Xylenes, Total	<0.00069		0.0043	0.00069	mg/Kg	☼	08/26/19 16:30	09/03/19 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/26/19 16:30	09/03/19 20:52	1
Dibromofluoromethane	101		75 - 126	08/26/19 16:30	09/03/19 20:52	1
1,2-Dichloroethane-d4 (Surr)	113		70 - 134	08/26/19 16:30	09/03/19 20:52	1
Toluene-d8 (Surr)	95		75 - 124	08/26/19 16:30	09/03/19 20:52	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0078		0.043	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Acenaphthylene	<0.0057		0.043	0.0057	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Anthracene	<0.0073		0.043	0.0073	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Benzo[a]anthracene	<0.0059		0.043	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (0-5)

Lab Sample ID: 500-169016-11

Date Collected: 08/26/19 09:45

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0084		0.043	0.0084	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Benzo[b]fluoranthene	<0.0094		0.043	0.0094	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Benzo[g,h,i]perylene	<0.014		0.043	0.014	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Benzo[k]fluoranthene	<0.013		0.043	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Bis(2-chloroethoxy)methane	<0.044		0.22	0.044	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Bis(2-chloroethyl)ether	<0.065		0.22	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Bis(2-ethylhexyl) phthalate	<0.080		0.22	0.080	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
4-Bromophenyl phenyl ether	<0.057		0.22	0.057	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Butyl benzyl phthalate	<0.083		0.22	0.083	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Carbazole	<0.11		0.22	0.11	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
4-Chloroaniline	<0.20		0.88	0.20	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
4-Chloro-3-methylphenol	<0.15		0.43	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2-Chloronaphthalene	<0.048		0.22	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2-Chlorophenol	<0.074		0.22	0.074	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
4-Chlorophenyl phenyl ether	<0.051		0.22	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Chrysene	<0.012		0.043	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Dibenz(a,h)anthracene	<0.0084		0.043	0.0084	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Dibenzofuran	<0.051		0.22	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
1,2-Dichlorobenzene	<0.052		0.22	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
1,3-Dichlorobenzene	<0.049		0.22	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
1,4-Dichlorobenzene	<0.056		0.22	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
3,3'-Dichlorobenzidine	<0.061		0.22	0.061	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2,4-Dichlorophenol	<0.10		0.43	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Diethyl phthalate	<0.074		0.22	0.074	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2,4-Dimethylphenol	<0.17		0.43	0.17	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Dimethyl phthalate	<0.057		0.22	0.057	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Di-n-butyl phthalate	<0.066		0.22	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
4,6-Dinitro-2-methylphenol	<0.35		0.88	0.35	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2,4-Dinitrophenol	<0.77		0.88	0.77	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2,4-Dinitrotoluene	<0.069		0.22	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2,6-Dinitrotoluene	<0.086		0.22	0.086	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Di-n-octyl phthalate	<0.071		0.22	0.071	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Fluoranthene	<0.0081		0.043	0.0081	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Fluorene	<0.0061		0.043	0.0061	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Hexachlorobenzene	<0.010		0.088	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Hexachlorobutadiene	<0.068		0.22	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Hexachlorocyclopentadiene	<0.25		0.88	0.25	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Hexachloroethane	<0.066		0.22	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Indeno[1,2,3-cd]pyrene	<0.011		0.043	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Isophorone	<0.049		0.22	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2-Methylnaphthalene	<0.0080		0.088	0.0080	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2-Methylphenol	<0.070		0.22	0.070	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
3 & 4 Methylphenol	<0.073		0.22	0.073	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Naphthalene	<0.0067		0.043	0.0067	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2-Nitroaniline	<0.059		0.22	0.059	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
3-Nitroaniline	<0.14		0.43	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
4-Nitroaniline	<0.18		0.43	0.18	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Nitrobenzene	<0.011		0.043	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2-Nitrophenol	<0.10		0.43	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (0-5)

Lab Sample ID: 500-169016-11

Date Collected: 08/26/19 09:45

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.41		0.88	0.41	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
N-Nitrosodi-n-propylamine	<0.053		0.088	0.053	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
N-Nitrosodiphenylamine	<0.051		0.22	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2,2'-oxybis[1-chloropropane]	<0.050		0.22	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Pentachlorophenol	<0.70		0.88	0.70	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Phenanthrene	<0.0061		0.043	0.0061	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Phenol	<0.097		0.22	0.097	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
Pyrene	<0.0087		0.043	0.0087	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
1,2,4-Trichlorobenzene	<0.047		0.22	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2,4,5-Trichlorophenol	<0.099		0.43	0.099	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1
2,4,6-Trichlorophenol	<0.15		0.43	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		43 - 145	09/04/19 19:14	09/05/19 17:50	1
2-Fluorophenol	66		31 - 166	09/04/19 19:14	09/05/19 17:50	1
Nitrobenzene-d5	71		37 - 147	09/04/19 19:14	09/05/19 17:50	1
Phenol-d5	62		30 - 153	09/04/19 19:14	09/05/19 17:50	1
Terphenyl-d14	109		42 - 157	09/04/19 19:14	09/05/19 17:50	1
2,4,6-Tribromophenol	83		31 - 143	09/04/19 19:14	09/05/19 17:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.25		1.3	0.25	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Arsenic	6.5		0.64	0.22	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Barium	130		0.64	0.073	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Beryllium	0.70		0.26	0.060	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Cadmium	0.42	B	0.13	0.023	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Chromium	17		0.64	0.32	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Cobalt	9.1		0.32	0.084	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Copper	19		0.64	0.18	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Iron	20000	B	13	6.7	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Lead	18		0.32	0.15	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Magnesium	3400	B	6.4	3.2	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Calcium	3700	B	13	2.2	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Manganese	470		0.64	0.093	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Nickel	22		0.64	0.19	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Selenium	0.76		0.64	0.38	mg/Kg	☼	08/31/19 10:54	09/04/19 20:54	1
Silver	4.3		0.32	0.083	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Thallium	1.2		0.64	0.32	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Vanadium	25		0.32	0.076	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Zinc	77	B	1.3	0.56	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Potassium	1800		32	11	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1
Sodium	2000		64	9.5	mg/Kg	☼	08/31/19 10:54	09/03/19 17:50	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 12:23	1
Barium	0.22	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 12:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 12:23	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 12:23	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (0-5)

Lab Sample ID: 500-169016-11

Date Collected: 08/26/19 09:45

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	53		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 12:23	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:23	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:23	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:23	1
Iron	0.24	J	0.40	0.20	mg/L		09/05/19 15:12	09/06/19 12:23	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 12:23	1
Magnesium	11		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 12:23	1
Manganese	2.1		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:23	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:23	1
Potassium	2.3	J	2.5	0.50	mg/L		09/05/19 15:12	09/06/19 15:16	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 12:23	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:23	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:23	1
Zinc	0.073	J	0.50	0.020	mg/L		09/05/19 15:12	09/06/19 12:23	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.031	J	0.050	0.010	mg/L		09/05/19 15:08	09/06/19 13:37	1
Barium	0.78		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 13:37	1
Beryllium	0.0055		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 13:37	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 13:37	1
Calcium	19		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 13:37	1
Chromium	0.16		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:37	1
Cobalt	0.036		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:37	1
Copper	0.12		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:37	1
Iron	140		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 13:37	1
Lead	0.076		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 13:37	1
Magnesium	25		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:37	1
Manganese	0.80		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:37	1
Nickel	0.11		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:37	1
Potassium	23		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:37	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 13:37	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:37	1
Vanadium	0.25		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:37	1
Zinc	0.56	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 13:37	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 15:42	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 15:42	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 16:50	1
Thallium	0.0020		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 16:50	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00046		0.00033	0.00033	mg/L		09/06/19 14:00	09/09/19 09:28	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (0-5)

Lab Sample ID: 500-169016-11

Date Collected: 08/26/19 09:45

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.8

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 07:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051		0.021	0.0069	mg/Kg	☼	08/30/19 15:10	09/03/19 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.30		0.61	0.30	mg/Kg	☼	09/05/19 09:15	09/05/19 14:46	1
pH	8.0		0.2	0.2	SU			08/30/19 10:38	1

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (5-9)

Lab Sample ID: 500-169016-12

Date Collected: 08/26/19 09:50

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.033		0.020	0.0088	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Benzene	<0.00052		0.0020	0.00052	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Bromodichloromethane	<0.00041		0.0020	0.00041	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Bromoform	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Bromomethane	<0.0019		0.0051	0.0019	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
2-Butanone (MEK)	0.0074		0.0051	0.0023	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Carbon disulfide	<0.0011		0.0051	0.0011	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Carbon tetrachloride	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Chlorobenzene	<0.00075		0.0020	0.00075	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Chloroethane	<0.0015		0.0051	0.0015	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Chloroform	<0.00070		0.0020	0.00070	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Chloromethane	<0.0020		0.0051	0.0020	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
cis-1,2-Dichloroethene	<0.00057		0.0020	0.00057	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
cis-1,3-Dichloropropene	<0.00061		0.0020	0.00061	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Dibromochloromethane	<0.00066		0.0020	0.00066	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
1,1-Dichloroethane	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
1,2-Dichloroethane	<0.0016		0.0051	0.0016	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
1,1-Dichloroethene	<0.00070		0.0020	0.00070	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
1,2-Dichloropropane	<0.00052		0.0020	0.00052	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
1,3-Dichloropropane, Total	<0.00071		0.0020	0.00071	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Ethylbenzene	<0.00097		0.0020	0.00097	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
2-Hexanone	<0.0016		0.0051	0.0016	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Methylene Chloride	<0.0020		0.0051	0.0020	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
4-Methyl-2-pentanone (MIBK)	<0.0015		0.0051	0.0015	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Methyl tert-butyl ether	<0.00060		0.0020	0.00060	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Styrene	<0.00061		0.0020	0.00061	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
1,1,2,2-Tetrachloroethane	<0.00065		0.0020	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Tetrachloroethene	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Toluene	<0.00051		0.0020	0.00051	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
trans-1,2-Dichloroethene	<0.00090		0.0020	0.00090	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
trans-1,3-Dichloropropene	<0.00071		0.0020	0.00071	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
1,1,1-Trichloroethane	<0.00068		0.0020	0.00068	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
1,1,2-Trichloroethane	<0.00087		0.0020	0.00087	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Trichloroethene	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Vinyl acetate	<0.0018		0.0051	0.0018	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Vinyl chloride	<0.00090		0.0020	0.00090	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1
Xylenes, Total	<0.00065		0.0041	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/26/19 16:30	09/03/19 21:18	1
Dibromofluoromethane	100		75 - 126	08/26/19 16:30	09/03/19 21:18	1
1,2-Dichloroethane-d4 (Surr)	114		70 - 134	08/26/19 16:30	09/03/19 21:18	1
Toluene-d8 (Surr)	96		75 - 124	08/26/19 16:30	09/03/19 21:18	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0079		0.043	0.0079	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Acenaphthylene	<0.0058		0.043	0.0058	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Anthracene	<0.0073		0.043	0.0073	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Benzo[a]anthracene	<0.0059		0.043	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (5-9)

Lab Sample ID: 500-169016-12

Date Collected: 08/26/19 09:50

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0085		0.043	0.0085	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Benzo[b]fluoranthene	<0.0094		0.043	0.0094	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Benzo[g,h,i]perylene	<0.014		0.043	0.014	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Benzo[k]fluoranthene	<0.013		0.043	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Bis(2-chloroethoxy)methane	<0.045		0.22	0.045	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Bis(2-chloroethyl)ether	<0.065		0.22	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Bis(2-ethylhexyl) phthalate	<0.080		0.22	0.080	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
4-Bromophenyl phenyl ether	<0.058		0.22	0.058	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Butyl benzyl phthalate	<0.083		0.22	0.083	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Carbazole	<0.11		0.22	0.11	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
4-Chloroaniline	<0.21		0.88	0.21	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
4-Chloro-3-methylphenol	<0.15		0.43	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2-Chloronaphthalene	<0.048		0.22	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2-Chlorophenol	<0.075		0.22	0.075	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
4-Chlorophenyl phenyl ether	<0.051		0.22	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Chrysene	<0.012		0.043	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Dibenz(a,h)anthracene	<0.0084		0.043	0.0084	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Dibenzofuran	<0.051		0.22	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
1,2-Dichlorobenzene	<0.052		0.22	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
1,3-Dichlorobenzene	<0.049		0.22	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
1,4-Dichlorobenzene	<0.056		0.22	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
3,3'-Dichlorobenzidine	<0.061		0.22	0.061	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2,4-Dichlorophenol	<0.10		0.43	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Diethyl phthalate	<0.074		0.22	0.074	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2,4-Dimethylphenol	<0.17		0.43	0.17	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Dimethyl phthalate	<0.057		0.22	0.057	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Di-n-butyl phthalate	<0.067		0.22	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
4,6-Dinitro-2-methylphenol	<0.35		0.88	0.35	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2,4-Dinitrophenol	<0.77		0.88	0.77	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2,4-Dinitrotoluene	<0.069		0.22	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2,6-Dinitrotoluene	<0.086		0.22	0.086	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Di-n-octyl phthalate	<0.071		0.22	0.071	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Fluoranthene	<0.0081		0.043	0.0081	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Fluorene	<0.0061		0.043	0.0061	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Hexachlorobenzene	<0.010		0.088	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Hexachlorobutadiene	<0.069		0.22	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Hexachlorocyclopentadiene	<0.25		0.88	0.25	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Hexachloroethane	<0.066		0.22	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Indeno[1,2,3-cd]pyrene	<0.011		0.043	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Isophorone	<0.049		0.22	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2-Methylnaphthalene	<0.0080		0.088	0.0080	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2-Methylphenol	<0.070		0.22	0.070	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
3 & 4 Methylphenol	<0.073		0.22	0.073	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Naphthalene	<0.0067		0.043	0.0067	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2-Nitroaniline	<0.059		0.22	0.059	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
3-Nitroaniline	<0.14		0.43	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
4-Nitroaniline	<0.18		0.43	0.18	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Nitrobenzene	<0.011		0.043	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2-Nitrophenol	<0.10		0.43	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (5-9)

Lab Sample ID: 500-169016-12

Date Collected: 08/26/19 09:50

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.42		0.88	0.42	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
N-Nitrosodi-n-propylamine	<0.053		0.088	0.053	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
N-Nitrosodiphenylamine	<0.052		0.22	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2,2'-oxybis[1-chloropropane]	<0.051		0.22	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Pentachlorophenol	<0.70		0.88	0.70	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Phenanthrene	<0.0061		0.043	0.0061	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Phenol	<0.097		0.22	0.097	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
Pyrene	<0.0087		0.043	0.0087	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
1,2,4-Trichlorobenzene	<0.047		0.22	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2,4,5-Trichlorophenol	<0.10		0.43	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1
2,4,6-Trichlorophenol	<0.15		0.43	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	56		43 - 145	09/04/19 19:14	09/05/19 18:14	1
2-Fluorophenol	54		31 - 166	09/04/19 19:14	09/05/19 18:14	1
Nitrobenzene-d5	52		37 - 147	09/04/19 19:14	09/05/19 18:14	1
Phenol-d5	53		30 - 153	09/04/19 19:14	09/05/19 18:14	1
Terphenyl-d14	89		42 - 157	09/04/19 19:14	09/05/19 18:14	1
2,4,6-Tribromophenol	73		31 - 143	09/04/19 19:14	09/05/19 18:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.24		1.3	0.24	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Arsenic	8.8		0.63	0.22	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Barium	110		0.63	0.072	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Beryllium	0.66		0.25	0.059	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Cadmium	0.32	B	0.13	0.023	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Chromium	19		0.63	0.31	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Cobalt	10		0.31	0.082	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Copper	24		0.63	0.18	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Iron	27000	B	13	6.5	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Lead	18		0.31	0.15	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Magnesium	3800	B	6.3	3.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Calcium	3200	B	13	2.1	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Manganese	120		0.63	0.091	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Nickel	23		0.63	0.18	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Selenium	0.41	J	0.63	0.37	mg/Kg	☼	08/31/19 10:54	09/04/19 20:58	1
Silver	4.5		0.31	0.081	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Thallium	1.2		0.63	0.31	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Vanadium	31		0.31	0.074	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Zinc	69	B	1.3	0.55	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Potassium	1700		31	11	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1
Sodium	1200		63	9.3	mg/Kg	☼	08/31/19 10:54	09/03/19 17:54	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 12:27	1
Barium	0.34	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 12:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 12:27	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 12:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (5-9)

Lab Sample ID: 500-169016-12

Date Collected: 08/26/19 09:50

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	71		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 12:27	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:27	1
Cobalt	0.016	J	0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:27	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:27	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 12:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 12:27	1
Magnesium	18		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 12:27	1
Manganese	1.5		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:27	1
Nickel	0.010	J	0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:27	1
Potassium	3.1		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 15:20	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 12:27	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:27	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 12:27	1
Zinc	0.027	J	0.50	0.020	mg/L		09/05/19 15:12	09/06/19 12:27	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.064		0.050	0.010	mg/L		09/05/19 15:08	09/06/19 13:41	1
Barium	0.84		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 13:41	1
Beryllium	0.0072		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 13:41	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 13:41	1
Calcium	24		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 13:41	1
Chromium	0.21		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:41	1
Cobalt	0.062		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:41	1
Copper	0.19		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:41	1
Iron	220		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 13:41	1
Lead	0.12		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 13:41	1
Magnesium	32		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:41	1
Manganese	0.63		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:41	1
Nickel	0.15		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:41	1
Potassium	28		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 13:41	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 13:41	1
Silver	0.015	J	0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:41	1
Vanadium	0.36		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 13:41	1
Zinc	1.0	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 13:41	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 15:45	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 15:45	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 16:53	1
Thallium	0.0024		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 16:53	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00058		0.00033	0.00033	mg/L		09/06/19 14:00	09/09/19 09:29	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Client Sample ID: 3132V-7-B06 (5-9)

Lab Sample ID: 500-169016-12

Date Collected: 08/26/19 09:50

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.4

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 07:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.022	0.0072	mg/Kg	☼	08/30/19 15:10	09/03/19 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.27		0.53	0.27	mg/Kg	☼	09/05/19 09:15	09/05/19 14:46	1
pH	8.0		0.2	0.2	SU			08/30/19 10:41	1

Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169016-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534



500-169016 COC

Report To (optional)
Contact: Mike Fischer
Company: EPI
Address: 33 W. Monroe
Address: Chicago, IL 60613
Phone: 847-312-7670
Fax:
E-Mail: mfischer@envdot.com

Bill To (optional)
Contact: same
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-169016
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 13.3/4.0/26.3

Client		Client Project #		Preservative		Parameter		Matrix		Comments	
<u>ED1</u>		<u>2031-001.01</u>								Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		# of Containers		Matrix					
<u>IDOT PTB 174-009-WD 62</u>											
Project Location/State		Lab PM		Date		Time					
<u>Manhattan, IL</u>											
Sampler				Sampling							
<u>B. Kinsella</u>											
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix					
<u>1</u>		<u>3132v-7-B01 (0-5)</u>	<u>8/26/19</u>	<u>1145</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>2</u>		<u>-B01 (5-9)</u>		<u>1150</u>							
<u>3</u>		<u>-B02 (0-5)</u>		<u>1115</u>							
<u>4</u>		<u>-B02 (0-5) DVP</u>		<u>1115</u>							
<u>5</u>		<u>-B03 (0-5)</u>		<u>1055</u>							
<u>6</u>		<u>-B03 (5-9)</u>		<u>1100</u>							
<u>7</u>		<u>-B04 (0-5)</u>		<u>1035</u>							
<u>8</u>		<u>-B04 (5-9)</u>		<u>1040</u>							
<u>9</u>		<u>-B05 (0-5)</u>		<u>1015</u>							
<u>10</u>		<u>-B05 (5-9)</u>		<u>1120</u>							

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Requested Due Date

Relinquished By <u>M. Fischer</u>	Company <u>ED1</u>	Date <u>8/26/19</u>	Time <u>1550</u>	Received By <u>Mike Fischer</u>	Company <u>TACRE</u>	Date <u>8/26/19</u>	Time <u>1550</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key

- WW - Wastewater
- W - Water
- S - Soil
- SL - Sludge
- MS - Miscellaneous
- OL - Oil
- A - Air
- SE - Sediment
- SO - Soil
- L - Leachate
- WI - Wipe
- DW - Drinking Water
- O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) Mike Fisher
Contact: see PJ. 1
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To (optional) _____
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-169016
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	Parameter							Comments
			Date	Time			VOCs	SVOCs	TAL	INORGANICS	TCUP/SPLP	INORGANICS	Total Cyanide	
11		3132V-7-BOB(0-S)	8/26/19	0945	5	S	X	X	X	X	X	X	X	
12		1-L-BOB(5-9)	↓	0950	↓	↓	X	X	X	X	X	X		
13		3132V-7-BOB(5-9)	↓	1120	↓	↓	X	X	X	X	X	X		

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other

Sample Disposal

Return to Client Disposal by Lab Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>M. Fisher</u>	Company: <u>EAI</u>	Date: <u>8/26/19</u>	Time: <u>1550</u>	Received By: <u>Phyllis Scott</u>	Company: <u>TA-EAI</u>	Date: <u>8/26/19</u>	Time: <u>1550</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: _____
Shipped: _____
Hand Delivered:

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-169016-1

Login Number: 169016

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	True	
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	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	13.3,14.0,21.3
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 531 - Manhattan-Monee Road Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

11400-11500 blocks of W. Manhattan-Monee Road (ISGS Site No. 3132V-8)

City: Green Garden State: IL Zip Code: 60442

County: Will Township: Green Garden

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.42531 Longitude: - 87.89069

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 630

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS OF 3132V-8-B02 AND 3132V-8-B06 WERE SAMPLED AT SITE 3132V-8. SEE FIGURES 3-3 AND 3-4 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TEST AMERICA REPORT - JOB ID: 500-169017-1

ALSO, SEE FIGURES 4-3, 4-4, AND 4-8 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael Fischer (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

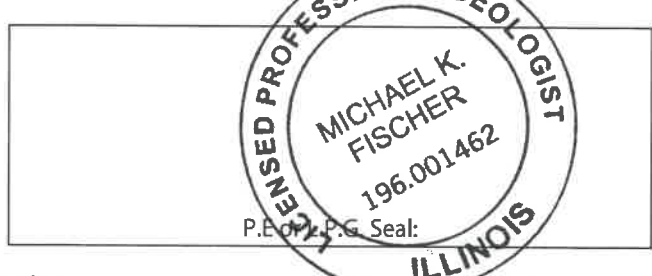
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Environmental Design International inc.
Street Address: 33 West Monroe Street, Suite 1825
City: Chicago State: IL Zip Code: 60603
Phone: 312-345-1400

Michael Fischer
Printed Name: _____


Licensed Professional Engineer or
Licensed Professional Geologist Signature: _____

10/06/2019
Date: _____



Summary Table of ISGS Site No. 3132V-8
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
IDOT Contract No: PTB 174-009; Work Order 062A
FAP 531 - Manhattan-Monee Road
Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-8-B02 (0-5)	3132V-8-B02 (5-9)	3132V-8-B02 (5-9) Dup	3132V-8-B06 (0-5)	3132V-8-B06 (5-9)		
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route		Chicago	MSAs			CCDD	Sample Depth (feet)	0 - 5	0 - 5	5 - 9	0 - 5	5 - 9
		Ingestion	Inhalation	Ingestion	Inhalation	Class I							Lab Sample ID	500-169017-3	500-169017-4	500-169017-5	500-169017-12	500-169017-13
													ISGS Site No.	3132V-8	3132V-8	3132V-8	3132V-8	3132V-8
Date Collected	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019													
Volatile Organic Analytical Parameters																		
2-Butanone (MEK)	mg/kg	47,000	25000	120,000	730	17	---	---	17		ND	0.0026	0.0023	ND	ND			
Acetone	mg/kg	70,000	100000	---	100000	25	*	---	25		0.0094	0.013	0.013	0.011	0.028			
Semivolatile Organic Analytical Parameters																		
Benzo[a]anthracene	mg/kg	0.9	---	170	---	2	*	1.1	0.9		ND	ND	ND	ND	ND			
Benzo[a]pyrene	mg/kg	0.09	---	17	---	8	*	1.3	0.09		ND	ND	ND	ND	ND			
Benzo[b]fluoranthene	mg/kg	0.9	---	170	---	5	*	1.5	0.9		ND	ND	ND	ND	ND			
Chrysene	mg/kg	88	---	17,000	---	160	*	1.2	88		ND	ND	ND	ND	ND			
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	*	2.7	3,100		ND	ND	ND	ND	ND			
Pyrene	mg/kg	2,300	---	61,000	---	4,200	*	1.9	2,300		ND	ND	ND	ND	ND			
Inorganic Analytical Parameters																		
Antimony	mg/kg	31	---	82	---	---	*	---	5		0.24	0.77	0.27	ND	0.34			
Arsenic	mg/kg	13	750	61	25,000	---	*	---	13		6.2	9.7	6.4	5.3	7.2			
Barium	mg/kg	5,500	690,000	14,000	870,000	---	*	---	110		110	43	46	110	85			
Beryllium	mg/kg	160	1,300	410	44,000	---	*	---	0.59		0.75	0.67	0.52	0.76	0.78			
Cadmium	mg/kg	78	1,800	200	59,000	---	*	---	0.6		0.40	0.31	0.35	0.39	0.38			
Calcium	mg/kg	---	---	---	---	---	*	---	9,300		3900	16000	5100	6300	3200			
Chromium	mg/kg	230	270	4,100	690	---	*	---	16.2		19	15	17	19	21			
Cobalt	mg/kg	4,700	---	12,000	---	---	*	---	8.9		9.3	8.4	7.7	9.7	8.3			
Copper	mg/kg	2,900	---	8,200	---	---	*	---	19.6		17	18	16	17	16			
Iron	mg/kg	---	---	---	---	---	---	---	15,900		23000	31000	26000	21000	26000			
Lead	mg/kg	400	---	700	---	---	*	---	36		20	17	15	30	17			
Magnesium	mg/kg	325,000	---	730,000	---	---	*	---	4,820		3500	10000	4500	4400	4200			
Manganese	mg/kg	1,600	69,000	4,100	8,700	---	*	---	636		530	120	99	410	120			
Mercury	mg/kg	23	10	61	0.1	---	*	---	0.06		0.026	0.027	0.028	0.031	0.056			
Nickel	mg/kg	1,600	13,000	4,100	440,000	---	*	---	18		26	20	20	25	27			
Potassium	mg/kg	---	---	---	---	---	---	---	1,268		2000	1500	1500	2200	2100			
Selenium	mg/kg	390	---	1,000	---	---	*	---	0.48		ND	ND	ND	ND	0.52			
Silver	mg/kg	390	---	1,000	---	---	*	---	0.55		4.9	3.2	4.4	4.8	5.2			
Sodium	mg/kg	---	---	---	---	---	*	---	130		1400	520	540	1500	450			
Thallium	mg/kg	6	---	160	---	---	*	---	0.32		1.3	1.1	1.1	1.2	1.6			
Vanadium	mg/kg	550	---	1,400	---	---	*	---	25.2		26	28	23	26	29			
Zinc	mg/kg	23,000	---	61,000	---	---	*	---	95		73	77	74	74	83			
pH									6.25 - 9.0		7.6	7.9	8.0	8.6	7.5			

Summary Table of ISGS Site No. 3132V-8
 Detected Soil Analytes and Comparison with Applicable Criteria
 Soil Analytical Results
 IDOT Contract No: PTB 174-009; Work Order 062A
 FAP 531 - Manhattan-Monee Road
 Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-8-B02	3132V-8-B02	3132V-8-B02	3132V-8-B06	3132V-8-B06		
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						(0-5)	(5-9)	(5-9) Dup	(0-5)	(5-9)		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I						Sample Depth (feet)		0 - 5	0 - 5	5 - 9	0 - 5	5 - 9
												CCDD	Lab Sample ID	500-169017-3	500-169017-4	500-169017-5	500-169017-12	500-169017-13
						Chicago	MSAs	mg/kg	ISGS Site No.	3132V-8	3132V-8	3132V-8	3132V-8	3132V-8				
								pH 6.25-9.0	Date Collected	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019				
Inorganic Analytical Parameters (TCLP)																		
Antimony, TCLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND	ND	ND			
Arsenic, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND			
Barium, TCLP	mg/L	---	---	---	---	2	---	---	---	---	0.17	0.19	0.19	0.40	0.21			
Beryllium, TCLP	mg/L	---	---	---	---	0.004	---	---	---	---	ND	ND	ND	ND	ND			
Cadmium, TCLP	mg/L	---	---	---	---	0.005	---	---	---	---	ND	0.0022	0.0020	ND	ND			
Calcium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	52	210	190	140	53			
Chromium, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	ND	ND	ND	ND			
Cobalt, TCLP	mg/L	---	---	---	---	1	---	---	---	---	ND	ND	0.016	0.011	ND			
Copper, TCLP	mg/L	---	---	---	---	0.65	---	---	---	---	ND	ND	ND	ND	ND			
Iron, TCLP	mg/L	---	---	---	---	5	---	---	---	---	ND	ND	ND	ND	ND			
Lead, TCLP	mg/L	---	---	---	---	0.0075	---	---	---	---	ND	ND	ND	ND	ND			
Magnesium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	14	100	95	55	18			
Manganese, TCLP	mg/L	---	---	---	---	0.15	---	---	---	---	0.62	0.94	0.59	6.2	0.18			
Mercury, TCLP	mg/L	---	---	---	---	0.002	---	---	---	---	ND	ND	ND	ND	ND			
Nickel, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	0.016	0.019	ND	ND			
Potassium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	1.9	1.3	1.3	4.6	6.3			
Selenium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.027	ND	ND	ND	0.020			
Silver, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND			
Sodium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	--	--	--	--	--			
Thallium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	ND			
Vanadium, TCLP	mg/L	---	---	---	---	0.049	---	---	---	---	ND	ND	ND	ND	ND			
Zinc, TCLP	mg/L	---	---	---	---	5	---	---	---	---	0.021	0.42	0.043	0.31	ND			
Inorganic Analytical Parameters (SPLP)																		
Antimony, SPLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND	ND	ND			
Arsenic, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.029	0.037	0.046	0.061	0.099			
Barium, SPLP	mg/L	---	---	---	---	2	---	---	---	---	0.64	0.31	0.45	0.87	1.2			
Beryllium, SPLP	mg/L	---	---	---	---	0.004	---	---	---	---	0.0055	0.0047	0.0069	0.0078	0.012			
Cadmium, SPLP	mg/L	---	---	---	---	0.005	---	---	---	---	0.0022	0.0021	0.0025	0.0027	0.0037			
Calcium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	19	19	24	21	33			
Chromium, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.15	0.12	0.18	0.18	0.29			
Cobalt, SPLP	mg/L	---	---	---	---	1	---	---	---	---	0.034	0.037	0.053	0.067	0.086			
Copper, SPLP	mg/L	---	---	---	---	0.65	---	---	---	---	0.10	0.10	0.14	0.19	0.23			
Iron, SPLP	mg/L	---	---	---	---	5	---	---	---	---	140	170	220	190	310			
Lead, SPLP	mg/L	---	---	---	---	0.0075	---	---	---	---	0.079	0.091	0.12	0.12	0.19			
Magnesium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	26	23	33	31	54			
Manganese, SPLP	mg/L	---	---	---	---	0.15	---	---	---	---	0.68	0.38	0.51	1.6	0.86			
Mercury, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.00029	0.00035	0.00033	0.00047	0.0010			
Nickel, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.11	0.086	0.12	0.19	0.25			
Potassium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	23	19	27	30	43			
Selenium, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND			
Silver, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	0.011	0.015	0.015	0.028			
Sodium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	--	--	--	--	--			
Thallium, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.0021	ND	0.0024	0.0032	0.0034			
Vanadium, SPLP	mg/L	---	---	---	---	0.049	---	---	---	---	0.23	0.23	0.30	0.30	0.47			
Zinc, SPLP	mg/L	---	---	---	---	5	---	---	---	---	0.56	0.69	0.64	1.0	0.94			

Table Notes

Remediation Objectives from 35 Illinois Administrative Code Chapter 742: *Tiered Approach to Corrective Action Objectives* (TACO) and the most stringent Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil (MACs) outline in Title 35 Administrative Code of the Illinois Administrative Code Part 1100 (35 IAC 1100).

Remediation Objectives for Non-TACO compounds from Illinois Environmental Protection Agency's (IEPA's) web site (<http://www.epa.state.il.us/land/taco/chemicals-not-in-taco-tier-1-tables.html>).

mg/kg = milligrams per kilogram, generally equivalent to ppm

mg/L = milligrams per liter, generally equivalent to parts per million (ppm)

TCLP = Toxicity Characteristic Leaching Procedure

SPLP = Synthetic Precipitation Leaching Procedure

-- = Sample not analyzed for this constituent

--- = No IEPA Remediation Objective (RO) for this exposure route.


---- = Not measured


ND = Constituent not detected above the reporting limit.


Italicized Tier 1 ROs were changed to laboratory Acceptable Detection Limits (ADL) per 35 IAC 742.510(a)(8).


* In pH-specific table, hexavalent chromium used as RO for total chromium to allow for a conservative comparison. Since no Class II pH-specific ROs exist for chromium, silver, and vanadium, conservative Class I ROs used for comparison.

**Lab Data for 3 & 4 methylphenol compared to 4 methylphenol Ros.

 Yellow is above the most stringent MAC

 Blue is above MAC and City of Chicago but below the MSA

 Green is above MAC and MSA County

 Orange is above the lowest construction worker RO

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-169017-1

Client Project/Site: IDOT - PTB 174-009 - WO 062

For:

Environmental Design International, Inc.
33 W. Monroe
Suite 1825
Chicago, Illinois 60603

Attn: Michael Fischer



Authorized for release by:
9/9/2019 3:06:51 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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TotalAccess

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
1312	SPLP Extraction	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
9010B	Cyanide, Distillation	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (0-5)

Lab Sample ID: 500-169017-3

Date Collected: 08/26/19 13:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0094	J	0.020	0.0086	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Benzene	<0.00050		0.0020	0.00050	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Bromodichloromethane	<0.00040		0.0020	0.00040	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Bromoform	<0.00057		0.0020	0.00057	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Bromomethane	<0.0019		0.0049	0.0019	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
2-Butanone (MEK)	<0.0022		0.0049	0.0022	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Carbon disulfide	<0.0010		0.0049	0.0010	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Carbon tetrachloride	<0.00057		0.0020	0.00057	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Chlorobenzene	<0.00073		0.0020	0.00073	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Chloroethane	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Chloroform	<0.00068		0.0020	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Chloromethane	<0.0020		0.0049	0.0020	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
cis-1,2-Dichloroethene	<0.00055		0.0020	0.00055	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
cis-1,3-Dichloropropene	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Dibromochloromethane	<0.00064		0.0020	0.00064	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
1,1-Dichloroethane	<0.00067		0.0020	0.00067	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
1,2-Dichloroethane	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
1,1-Dichloroethene	<0.00068		0.0020	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
1,2-Dichloropropane	<0.00051		0.0020	0.00051	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
1,3-Dichloropropane, Total	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Ethylbenzene	<0.00094		0.0020	0.00094	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
2-Hexanone	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Methylene Chloride	<0.0019		0.0049	0.0019	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
4-Methyl-2-pentanone (MIBK)	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Methyl tert-butyl ether	<0.00058		0.0020	0.00058	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Styrene	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
1,1,2,2-Tetrachloroethane	<0.00063		0.0020	0.00063	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Tetrachloroethene	<0.00067		0.0020	0.00067	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Toluene	<0.00050		0.0020	0.00050	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
trans-1,2-Dichloroethene	<0.00087		0.0020	0.00087	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
trans-1,3-Dichloropropene	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
1,1,1-Trichloroethane	<0.00066		0.0020	0.00066	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
1,1,2-Trichloroethane	<0.00084		0.0020	0.00084	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Trichloroethene	<0.00066		0.0020	0.00066	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Vinyl acetate	<0.0017		0.0049	0.0017	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Vinyl chloride	<0.00087		0.0020	0.00087	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1
Xylenes, Total	<0.00063		0.0039	0.00063	mg/Kg	☼	08/26/19 16:30	09/01/19 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		75 - 131	08/26/19 16:30	09/01/19 17:16	1
Dibromofluoromethane	86		75 - 126	08/26/19 16:30	09/01/19 17:16	1
1,2-Dichloroethane-d4 (Surr)	90		70 - 134	08/26/19 16:30	09/01/19 17:16	1
Toluene-d8 (Surr)	85		75 - 124	08/26/19 16:30	09/01/19 17:16	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0074		0.041	0.0074	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Acenaphthylene	<0.0054		0.041	0.0054	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Anthracene	<0.0069		0.041	0.0069	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Benzo[a]anthracene	<0.0055		0.041	0.0055	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (0-5)

Lab Sample ID: 500-169017-3

Date Collected: 08/26/19 13:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0079		0.041	0.0079	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Benzo[b]fluoranthene	<0.0089		0.041	0.0089	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Benzo[g,h,i]perylene	<0.013		0.041	0.013	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Benzo[k]fluoranthene	<0.012		0.041	0.012	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Bis(2-chloroethoxy)methane	<0.042		0.21	0.042	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Bis(2-chloroethyl)ether	<0.062		0.21	0.062	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Bis(2-ethylhexyl) phthalate	<0.075		0.21	0.075	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
4-Bromophenyl phenyl ether	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Butyl benzyl phthalate	<0.078		0.21	0.078	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Carbazole	<0.10		0.21	0.10	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
4-Chloroaniline	<0.19		0.83	0.19	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
4-Chloro-3-methylphenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2-Chloronaphthalene	<0.045		0.21	0.045	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2-Chlorophenol	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
4-Chlorophenyl phenyl ether	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Chrysene	<0.011		0.041	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Dibenz(a,h)anthracene	<0.0079		0.041	0.0079	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Dibenzofuran	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
1,2-Dichlorobenzene	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
1,3-Dichlorobenzene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
1,4-Dichlorobenzene	<0.053		0.21	0.053	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
3,3'-Dichlorobenzidine	<0.057		0.21	0.057	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2,4-Dichlorophenol	<0.097		0.41	0.097	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Diethyl phthalate	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2,4-Dimethylphenol	<0.16		0.41	0.16	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Dimethyl phthalate	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Di-n-butyl phthalate	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
4,6-Dinitro-2-methylphenol	<0.33		0.83	0.33	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2,4-Dinitrophenol	<0.72 *		0.83	0.72	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2,4-Dinitrotoluene	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2,6-Dinitrotoluene	<0.081		0.21	0.081	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Di-n-octyl phthalate	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Fluoranthene	<0.0076		0.041	0.0076	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Fluorene	<0.0058		0.041	0.0058	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Hexachlorobenzene	<0.0095		0.083	0.0095	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Hexachlorobutadiene	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Hexachlorocyclopentadiene	<0.24		0.83	0.24	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Hexachloroethane	<0.062		0.21	0.062	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Indeno[1,2,3-cd]pyrene	<0.011		0.041	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Isophorone	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2-Methylnaphthalene	<0.0075		0.083	0.0075	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2-Methylphenol	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
3 & 4 Methylphenol	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Naphthalene	<0.0063		0.041	0.0063	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2-Nitroaniline	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
3-Nitroaniline	<0.13		0.41	0.13	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
4-Nitroaniline	<0.17		0.41	0.17	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Nitrobenzene	<0.010		0.041	0.010	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2-Nitrophenol	<0.097		0.41	0.097	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (0-5)

Lab Sample ID: 500-169017-3

Date Collected: 08/26/19 13:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.39		0.83	0.39	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
N-Nitrosodi-n-propylamine	<0.050		0.083	0.050	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
N-Nitrosodiphenylamine	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2,2'-oxybis[1-chloropropane]	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Pentachlorophenol	<0.66		0.83	0.66	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Phenanthrene	<0.0057		0.041	0.0057	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Phenol	<0.091		0.21	0.091	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
Pyrene	<0.0082		0.041	0.0082	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
1,2,4-Trichlorobenzene	<0.044		0.21	0.044	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2,4,5-Trichlorophenol	<0.094		0.41	0.094	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1
2,4,6-Trichlorophenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 15:29	09/05/19 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		43 - 145	09/04/19 15:29	09/05/19 17:09	1
2-Fluorophenol	106		31 - 166	09/04/19 15:29	09/05/19 17:09	1
Nitrobenzene-d5	75		37 - 147	09/04/19 15:29	09/05/19 17:09	1
Phenol-d5	106		30 - 153	09/04/19 15:29	09/05/19 17:09	1
Terphenyl-d14	142		42 - 157	09/04/19 15:29	09/05/19 17:09	1
2,4,6-Tribromophenol	81		31 - 143	09/04/19 15:29	09/05/19 17:09	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.24	J	1.2	0.24	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Arsenic	6.2		0.62	0.21	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Barium	110		0.62	0.071	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Beryllium	0.75		0.25	0.058	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Cadmium	0.40	B	0.12	0.022	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Chromium	19		0.62	0.31	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Cobalt	9.3		0.31	0.081	mg/Kg	☼	09/03/19 08:35	09/04/19 16:45	1
Copper	17		0.62	0.17	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Iron	23000		12	6.5	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Lead	20		0.31	0.14	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Magnesium	3500		6.2	3.1	mg/Kg	☼	09/03/19 08:35	09/04/19 16:45	1
Calcium	3900	B	12	2.1	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Manganese	530		0.62	0.090	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Nickel	26		0.62	0.18	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Selenium	<0.37		0.62	0.37	mg/Kg	☼	09/03/19 08:35	09/04/19 16:45	1
Silver	4.9		0.31	0.080	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Thallium	1.3		0.62	0.31	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Vanadium	26		0.31	0.073	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Zinc	73		1.2	0.55	mg/Kg	☼	09/03/19 08:35	09/04/19 16:45	1
Potassium	2000		31	11	mg/Kg	☼	09/03/19 08:35	09/04/19 03:58	1
Sodium	1400		62	9.2	mg/Kg	☼	09/03/19 08:35	09/04/19 16:45	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:11	09/06/19 09:44	1
Barium	0.17	J	0.50	0.050	mg/L		09/05/19 15:11	09/06/19 09:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:11	09/06/19 09:44	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:11	09/06/19 09:44	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (0-5)

Lab Sample ID: 500-169017-3

Date Collected: 08/26/19 13:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	52		5.0	0.50	mg/L		09/05/19 15:11	09/06/19 09:44	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:44	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:44	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:44	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:11	09/06/19 09:44	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:11	09/06/19 09:44	1
Magnesium	14		2.5	0.50	mg/L		09/05/19 15:11	09/06/19 09:44	1
Manganese	0.62		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:44	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:44	1
Potassium	1.9	J	2.5	0.50	mg/L		09/05/19 15:11	09/06/19 09:44	1
Selenium	0.027	J B	0.050	0.020	mg/L		09/05/19 15:11	09/06/19 09:44	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:44	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:44	1
Zinc	0.021	J	0.50	0.020	mg/L		09/05/19 15:11	09/06/19 09:44	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.029	J	0.050	0.010	mg/L		09/05/19 15:09	09/06/19 09:28	1
Barium	0.64		0.50	0.050	mg/L		09/05/19 15:09	09/06/19 09:28	1
Beryllium	0.0055		0.0040	0.0040	mg/L		09/05/19 15:09	09/06/19 09:28	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		09/05/19 15:09	09/06/19 09:28	1
Calcium	19		5.0	0.50	mg/L		09/05/19 15:09	09/06/19 09:28	1
Chromium	0.15		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:28	1
Cobalt	0.034		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:28	1
Copper	0.10		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:28	1
Iron	140		0.40	0.20	mg/L		09/05/19 15:09	09/06/19 09:28	1
Lead	0.079		0.0075	0.0075	mg/L		09/05/19 15:09	09/06/19 09:28	1
Magnesium	26		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 09:28	1
Manganese	0.68		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:28	1
Nickel	0.11		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:28	1
Potassium	23		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 14:27	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:09	09/06/19 09:28	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:28	1
Vanadium	0.23		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:28	1
Zinc	0.56	B	0.50	0.020	mg/L		09/05/19 15:09	09/06/19 09:28	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:11	09/06/19 17:26	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:11	09/06/19 17:26	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:09	09/06/19 18:48	1
Thallium	0.0021		0.0020	0.0020	mg/L		09/05/19 15:09	09/06/19 18:48	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00029		0.00025	0.00025	mg/L		09/06/19 14:00	09/09/19 10:03	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (0-5)

Lab Sample ID: 500-169017-3

Date Collected: 08/26/19 13:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/06/19 16:30	09/09/19 10:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.020	0.0067	mg/Kg	☼	09/03/19 15:10	09/04/19 09:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.56	0.28	mg/Kg	☼	09/05/19 12:55	09/05/19 15:43	1
pH	7.6		0.2	0.2	SU			08/31/19 10:58	1

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9)

Lab Sample ID: 500-169017-4

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.020	0.0086	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Benzene	<0.00050		0.0020	0.00050	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Bromodichloromethane	<0.00040		0.0020	0.00040	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Bromoform	<0.00058		0.0020	0.00058	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Bromomethane	<0.0019		0.0049	0.0019	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
2-Butanone (MEK)	0.0026	J	0.0049	0.0022	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Carbon disulfide	<0.0010		0.0049	0.0010	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Carbon tetrachloride	<0.00057		0.0020	0.00057	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Chlorobenzene	<0.00073		0.0020	0.00073	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Chloroethane	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Chloroform	<0.00068		0.0020	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Chloromethane	<0.0020		0.0049	0.0020	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
cis-1,2-Dichloroethene	<0.00055		0.0020	0.00055	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
cis-1,3-Dichloropropene	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Dibromochloromethane	<0.00064		0.0020	0.00064	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
1,1-Dichloroethane	<0.00068		0.0020	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
1,2-Dichloroethane	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
1,1-Dichloroethene	<0.00068		0.0020	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
1,2-Dichloropropane	<0.00051		0.0020	0.00051	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
1,3-Dichloropropane, Total	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Ethylbenzene	<0.00094		0.0020	0.00094	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
2-Hexanone	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Methylene Chloride	<0.0019		0.0049	0.0019	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
4-Methyl-2-pentanone (MIBK)	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Methyl tert-butyl ether	<0.00058		0.0020	0.00058	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Styrene	<0.00060		0.0020	0.00060	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
1,1,2,2-Tetrachloroethane	<0.00063		0.0020	0.00063	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Tetrachloroethene	<0.00067		0.0020	0.00067	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Toluene	<0.00050		0.0020	0.00050	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
trans-1,2-Dichloroethene	<0.00087		0.0020	0.00087	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
trans-1,3-Dichloropropene	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
1,1,1-Trichloroethane	<0.00066		0.0020	0.00066	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
1,1,2-Trichloroethane	<0.00085		0.0020	0.00085	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Trichloroethene	<0.00067		0.0020	0.00067	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Vinyl acetate	<0.0017		0.0049	0.0017	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Vinyl chloride	<0.00087		0.0020	0.00087	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1
Xylenes, Total	<0.00063		0.0039	0.00063	mg/Kg	☼	08/26/19 16:30	09/01/19 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		75 - 131	08/26/19 16:30	09/01/19 17:44	1
Dibromofluoromethane	86		75 - 126	08/26/19 16:30	09/01/19 17:44	1
1,2-Dichloroethane-d4 (Surr)	91		70 - 134	08/26/19 16:30	09/01/19 17:44	1
Toluene-d8 (Surr)	85		75 - 124	08/26/19 16:30	09/01/19 17:44	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0076		0.042	0.0076	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Acenaphthylene	<0.0056		0.042	0.0056	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Anthracene	<0.0071		0.042	0.0071	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Benzo[a]anthracene	<0.0057		0.042	0.0057	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9)

Lab Sample ID: 500-169017-4

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Benzo[b]fluoranthene	<0.0092		0.042	0.0092	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Benzo[g,h,i]perylene	<0.014		0.042	0.014	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Benzo[k]fluoranthene	<0.012		0.042	0.012	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Bis(2-chloroethoxy)methane	<0.043		0.21	0.043	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Bis(2-chloroethyl)ether	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Bis(2-ethylhexyl) phthalate	<0.077		0.21	0.077	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
4-Bromophenyl phenyl ether	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Butyl benzyl phthalate	<0.081		0.21	0.081	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Carbazole	<0.11		0.21	0.11	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
4-Chloroaniline	<0.20		0.86	0.20	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
4-Chloro-3-methylphenol	<0.14		0.42	0.14	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2-Chloronaphthalene	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2-Chlorophenol	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
4-Chlorophenyl phenyl ether	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Chrysene	<0.012		0.042	0.012	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Dibenz(a,h)anthracene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Dibenzofuran	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
1,2-Dichlorobenzene	<0.051		0.21	0.051	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
1,3-Dichlorobenzene	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
1,4-Dichlorobenzene	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
3,3'-Dichlorobenzidine	<0.059		0.21	0.059	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2,4-Dichlorophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Diethyl phthalate	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2,4-Dimethylphenol	<0.16		0.42	0.16	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Dimethyl phthalate	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Di-n-butyl phthalate	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
4,6-Dinitro-2-methylphenol	<0.34		0.86	0.34	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2,4-Dinitrophenol	<0.75 *		0.86	0.75	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2,4-Dinitrotoluene	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2,6-Dinitrotoluene	<0.083		0.21	0.083	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Di-n-octyl phthalate	<0.069		0.21	0.069	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Fluoranthene	<0.0079		0.042	0.0079	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Fluorene	<0.0060		0.042	0.0060	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Hexachlorobenzene	<0.0098		0.086	0.0098	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Hexachlorobutadiene	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Hexachlorocyclopentadiene	<0.24		0.86	0.24	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Hexachloroethane	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Indeno[1,2,3-cd]pyrene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Isophorone	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2-Methylnaphthalene	<0.0078		0.086	0.0078	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2-Methylphenol	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
3 & 4 Methylphenol	<0.071		0.21	0.071	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Naphthalene	<0.0065		0.042	0.0065	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2-Nitroaniline	<0.057		0.21	0.057	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
3-Nitroaniline	<0.13		0.42	0.13	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
4-Nitroaniline	<0.18		0.42	0.18	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Nitrobenzene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2-Nitrophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9)

Lab Sample ID: 500-169017-4

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.40		0.86	0.40	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
N-Nitrosodi-n-propylamine	<0.052		0.086	0.052	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
N-Nitrosodiphenylamine	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2,2'-oxybis[1-chloropropane]	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Pentachlorophenol	<0.68		0.86	0.68	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Phenanthrene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Phenol	<0.094		0.21	0.094	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
Pyrene	<0.0084		0.042	0.0084	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
1,2,4-Trichlorobenzene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2,4,5-Trichlorophenol	<0.097		0.42	0.097	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1
2,4,6-Trichlorophenol	<0.15		0.42	0.15	mg/Kg	☼	09/04/19 15:29	09/05/19 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	61		43 - 145	09/04/19 15:29	09/05/19 17:36	1
2-Fluorophenol	81		31 - 166	09/04/19 15:29	09/05/19 17:36	1
Nitrobenzene-d5	51		37 - 147	09/04/19 15:29	09/05/19 17:36	1
Phenol-d5	78		30 - 153	09/04/19 15:29	09/05/19 17:36	1
Terphenyl-d14	119		42 - 157	09/04/19 15:29	09/05/19 17:36	1
2,4,6-Tribromophenol	77		31 - 143	09/04/19 15:29	09/05/19 17:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.77	J	1.3	0.25	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Arsenic	9.7		0.64	0.22	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Barium	43		0.64	0.073	mg/Kg	☼	09/03/19 08:35	09/04/19 04:02	1
Beryllium	0.67		0.26	0.060	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Cadmium	0.31	B	0.13	0.023	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Chromium	15		0.64	0.32	mg/Kg	☼	09/03/19 08:35	09/04/19 04:02	1
Cobalt	8.4		0.32	0.084	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Copper	18		0.64	0.18	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Iron	31000		13	6.7	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Lead	17		0.32	0.15	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Magnesium	10000		6.4	3.2	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Calcium	16000	B	13	2.2	mg/Kg	☼	09/03/19 08:35	09/04/19 04:02	1
Manganese	120		0.64	0.093	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Nickel	20		0.64	0.19	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Selenium	<0.38		0.64	0.38	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Silver	3.2		0.32	0.083	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Thallium	1.1		0.64	0.32	mg/Kg	☼	09/03/19 08:35	09/04/19 04:02	1
Vanadium	28		0.32	0.076	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Zinc	77		1.3	0.56	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1
Potassium	1500		32	11	mg/Kg	☼	09/03/19 08:35	09/04/19 04:02	1
Sodium	520		64	9.5	mg/Kg	☼	09/03/19 08:35	09/04/19 16:49	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:11	09/06/19 09:48	1
Barium	0.19	J	0.50	0.050	mg/L		09/05/19 15:11	09/06/19 09:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:11	09/06/19 09:48	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		09/05/19 15:11	09/06/19 09:48	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9)

Lab Sample ID: 500-169017-4

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	210		5.0	0.50	mg/L		09/05/19 15:11	09/06/19 09:48	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:48	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:48	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:48	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:11	09/06/19 09:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:11	09/06/19 09:48	1
Magnesium	100		2.5	0.50	mg/L		09/05/19 15:11	09/06/19 09:48	1
Manganese	0.94		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:48	1
Nickel	0.016	J	0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:48	1
Potassium	1.3	J	2.5	0.50	mg/L		09/05/19 15:11	09/06/19 09:48	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:11	09/06/19 09:48	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:48	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:48	1
Zinc	0.42	J	0.50	0.020	mg/L		09/05/19 15:11	09/06/19 09:48	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.037	J	0.050	0.010	mg/L		09/05/19 15:09	09/06/19 09:32	1
Barium	0.31	J	0.50	0.050	mg/L		09/05/19 15:09	09/06/19 09:32	1
Beryllium	0.0047		0.0040	0.0040	mg/L		09/05/19 15:09	09/06/19 09:32	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		09/05/19 15:09	09/06/19 09:32	1
Calcium	19		5.0	0.50	mg/L		09/05/19 15:09	09/06/19 09:32	1
Chromium	0.12		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:32	1
Cobalt	0.037		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:32	1
Copper	0.10		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:32	1
Iron	170		0.40	0.20	mg/L		09/05/19 15:09	09/06/19 09:32	1
Lead	0.091		0.0075	0.0075	mg/L		09/05/19 15:09	09/06/19 09:32	1
Magnesium	23		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 09:32	1
Manganese	0.38		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:32	1
Nickel	0.086		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:32	1
Potassium	19		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 14:31	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:09	09/06/19 09:32	1
Silver	0.011	J	0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:32	1
Vanadium	0.23		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:32	1
Zinc	0.69	B	0.50	0.020	mg/L		09/05/19 15:09	09/06/19 09:32	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:11	09/06/19 17:29	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:11	09/06/19 17:29	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:09	09/06/19 18:52	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:09	09/06/19 18:52	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00035		0.00025	0.00025	mg/L		09/06/19 14:00	09/09/19 10:09	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9)

Lab Sample ID: 500-169017-4

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/06/19 16:30	09/09/19 11:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.021	0.0069	mg/Kg	☼	09/03/19 15:10	09/04/19 09:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.27		0.54	0.27	mg/Kg	☼	09/05/19 12:55	09/05/19 15:43	1
pH	7.9		0.2	0.2	SU			08/31/19 11:00	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9) Dup

Lab Sample ID: 500-169017-5

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.013	J	0.019	0.0084	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Benzene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Bromodichloromethane	<0.00039		0.0019	0.00039	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Bromoform	<0.00056		0.0019	0.00056	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Bromomethane	<0.0018		0.0048	0.0018	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
2-Butanone (MEK)	0.0023	J	0.0048	0.0021	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Carbon disulfide	<0.0010		0.0048	0.0010	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Carbon tetrachloride	<0.00056		0.0019	0.00056	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Chlorobenzene	<0.00071		0.0019	0.00071	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Chloroethane	<0.0014		0.0048	0.0014	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Chloroform	<0.00067		0.0019	0.00067	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Chloromethane	<0.0019		0.0048	0.0019	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
cis-1,2-Dichloroethene	<0.00054		0.0019	0.00054	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
cis-1,3-Dichloropropene	<0.00058		0.0019	0.00058	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Dibromochloromethane	<0.00063		0.0019	0.00063	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
1,1-Dichloroethane	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
1,2-Dichloroethane	<0.0015		0.0048	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
1,1-Dichloroethene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
1,2-Dichloropropane	<0.00050		0.0019	0.00050	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
1,3-Dichloropropane, Total	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Ethylbenzene	<0.00092		0.0019	0.00092	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
2-Hexanone	<0.0015		0.0048	0.0015	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Methylene Chloride	<0.0019		0.0048	0.0019	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0048	0.0014	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Methyl tert-butyl ether	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Styrene	<0.00058		0.0019	0.00058	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
1,1,2,2-Tetrachloroethane	<0.00062		0.0019	0.00062	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Tetrachloroethene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Toluene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
trans-1,2-Dichloroethene	<0.00085		0.0019	0.00085	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
trans-1,3-Dichloropropene	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
1,1,1-Trichloroethane	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
1,1,2-Trichloroethane	<0.00083		0.0019	0.00083	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Trichloroethene	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Vinyl acetate	<0.0017		0.0048	0.0017	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Vinyl chloride	<0.00085		0.0019	0.00085	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1
Xylenes, Total	<0.00062		0.0039	0.00062	mg/Kg	☼	08/26/19 16:30	09/01/19 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		75 - 131	08/26/19 16:30	09/01/19 18:11	1
Dibromofluoromethane	86		75 - 126	08/26/19 16:30	09/01/19 18:11	1
1,2-Dichloroethane-d4 (Surr)	92		70 - 134	08/26/19 16:30	09/01/19 18:11	1
Toluene-d8 (Surr)	84		75 - 124	08/26/19 16:30	09/01/19 18:11	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0077		0.042	0.0077	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Acenaphthylene	<0.0056		0.042	0.0056	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Anthracene	<0.0071		0.042	0.0071	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Benzo[a]anthracene	<0.0057		0.042	0.0057	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9) Dup

Lab Sample ID: 500-169017-5

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0083		0.042	0.0083	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Benzo[b]fluoranthene	<0.0092		0.042	0.0092	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Benzo[g,h,i]perylene	<0.014		0.042	0.014	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Benzo[k]fluoranthene	<0.013		0.042	0.013	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Bis(2-chloroethoxy)methane	<0.044		0.21	0.044	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Bis(2-chloroethyl)ether	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Bis(2-ethylhexyl) phthalate	<0.078		0.21	0.078	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
4-Bromophenyl phenyl ether	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Butyl benzyl phthalate	<0.081		0.21	0.081	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Carbazole	<0.11		0.21	0.11	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
4-Chloroaniline	<0.20		0.86	0.20	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
4-Chloro-3-methylphenol	<0.15		0.42	0.15	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2-Chloronaphthalene	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2-Chlorophenol	<0.073		0.21	0.073	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
4-Chlorophenyl phenyl ether	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Chrysene	<0.012		0.042	0.012	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Dibenz(a,h)anthracene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Dibenzofuran	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
1,2-Dichlorobenzene	<0.051		0.21	0.051	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
1,3-Dichlorobenzene	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
1,4-Dichlorobenzene	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
3,3'-Dichlorobenzidine	<0.060		0.21	0.060	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2,4-Dichlorophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Diethyl phthalate	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2,4-Dimethylphenol	<0.16		0.42	0.16	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Dimethyl phthalate	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Di-n-butyl phthalate	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
4,6-Dinitro-2-methylphenol	<0.34		0.86	0.34	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2,4-Dinitrophenol	<0.75 *		0.86	0.75	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2,4-Dinitrotoluene	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2,6-Dinitrotoluene	<0.084		0.21	0.084	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Di-n-octyl phthalate	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Fluoranthene	<0.0079		0.042	0.0079	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Fluorene	<0.0060		0.042	0.0060	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Hexachlorobenzene	<0.0099		0.086	0.0099	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Hexachlorobutadiene	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Hexachlorocyclopentadiene	<0.25		0.86	0.25	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Hexachloroethane	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Indeno[1,2,3-cd]pyrene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Isophorone	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2-Methylnaphthalene	<0.0078		0.086	0.0078	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2-Methylphenol	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
3 & 4 Methylphenol	<0.071		0.21	0.071	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Naphthalene	<0.0066		0.042	0.0066	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2-Nitroaniline	<0.057		0.21	0.057	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
3-Nitroaniline	<0.13		0.42	0.13	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
4-Nitroaniline	<0.18		0.42	0.18	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Nitrobenzene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2-Nitrophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9) Dup

Lab Sample ID: 500-169017-5

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.41		0.86	0.41	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
N-Nitrosodi-n-propylamine	<0.052		0.086	0.052	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
N-Nitrosodiphenylamine	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2,2'-oxybis[1-chloropropane]	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Pentachlorophenol	<0.68		0.86	0.68	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Phenanthrene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Phenol	<0.095		0.21	0.095	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
Pyrene	<0.0085		0.042	0.0085	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
1,2,4-Trichlorobenzene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2,4,5-Trichlorophenol	<0.097		0.42	0.097	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1
2,4,6-Trichlorophenol	<0.15		0.42	0.15	mg/Kg	☼	09/04/19 15:29	09/05/19 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	52		43 - 145	09/04/19 15:29	09/05/19 18:03	1
2-Fluorophenol	68		31 - 166	09/04/19 15:29	09/05/19 18:03	1
Nitrobenzene-d5	42		37 - 147	09/04/19 15:29	09/05/19 18:03	1
Phenol-d5	68		30 - 153	09/04/19 15:29	09/05/19 18:03	1
Terphenyl-d14	99		42 - 157	09/04/19 15:29	09/05/19 18:03	1
2,4,6-Tribromophenol	68		31 - 143	09/04/19 15:29	09/05/19 18:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.27	J	1.3	0.26	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Arsenic	6.4		0.66	0.22	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Barium	46		0.66	0.075	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Beryllium	0.52		0.26	0.061	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Cadmium	0.35	B	0.13	0.024	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Chromium	17		0.66	0.32	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Cobalt	7.7		0.33	0.086	mg/Kg	☼	09/03/19 08:35	09/04/19 16:57	1
Copper	16		0.66	0.18	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Iron	26000		13	6.8	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Lead	15		0.33	0.15	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Magnesium	4500		6.6	3.3	mg/Kg	☼	09/03/19 08:35	09/04/19 16:57	1
Calcium	5100	B	13	2.2	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Manganese	99		0.66	0.095	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Nickel	20		0.66	0.19	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Selenium	<0.39		0.66	0.39	mg/Kg	☼	09/03/19 08:35	09/04/19 16:57	1
Silver	4.4		0.33	0.085	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Thallium	1.1		0.66	0.33	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Vanadium	23		0.33	0.077	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Zinc	74		1.3	0.58	mg/Kg	☼	09/03/19 08:35	09/04/19 16:57	1
Potassium	1500		33	12	mg/Kg	☼	09/03/19 08:35	09/04/19 04:06	1
Sodium	540		66	9.7	mg/Kg	☼	09/03/19 08:35	09/04/19 16:57	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:11	09/06/19 09:53	1
Barium	0.19	J	0.50	0.050	mg/L		09/05/19 15:11	09/06/19 09:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:11	09/06/19 09:53	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		09/05/19 15:11	09/06/19 09:53	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9) Dup

Lab Sample ID: 500-169017-5

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	190		5.0	0.50	mg/L		09/05/19 15:11	09/06/19 09:53	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:53	1
Cobalt	0.016	J	0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:53	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:53	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:11	09/06/19 09:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:11	09/06/19 09:53	1
Magnesium	95		2.5	0.50	mg/L		09/05/19 15:11	09/06/19 09:53	1
Manganese	0.59		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:53	1
Nickel	0.019	J	0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:53	1
Potassium	1.3	J	2.5	0.50	mg/L		09/05/19 15:11	09/06/19 09:53	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:11	09/06/19 09:53	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:53	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 09:53	1
Zinc	0.043	J	0.50	0.020	mg/L		09/05/19 15:11	09/06/19 09:53	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		09/05/19 15:09	09/06/19 09:36	1
Barium	0.45	J	0.50	0.050	mg/L		09/05/19 15:09	09/06/19 09:36	1
Beryllium	0.0069		0.0040	0.0040	mg/L		09/05/19 15:09	09/06/19 09:36	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		09/05/19 15:09	09/06/19 09:36	1
Calcium	24		5.0	0.50	mg/L		09/05/19 15:09	09/06/19 09:36	1
Chromium	0.18		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:36	1
Cobalt	0.053		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:36	1
Copper	0.14		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:36	1
Iron	220		0.40	0.20	mg/L		09/05/19 15:09	09/06/19 09:36	1
Lead	0.12		0.0075	0.0075	mg/L		09/05/19 15:09	09/06/19 09:36	1
Magnesium	33		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 09:36	1
Manganese	0.51		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:36	1
Nickel	0.12		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:36	1
Potassium	27		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 14:43	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:09	09/06/19 09:36	1
Silver	0.015	J	0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:36	1
Vanadium	0.30		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 09:36	1
Zinc	0.64	B	0.50	0.020	mg/L		09/05/19 15:09	09/06/19 09:36	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:11	09/06/19 17:33	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:11	09/06/19 17:33	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:09	09/06/19 18:56	1
Thallium	0.0024		0.0020	0.0020	mg/L		09/05/19 15:09	09/06/19 18:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00033		0.00025	0.00025	mg/L		09/06/19 14:00	09/09/19 10:10	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B02 (5-9) Dup

Lab Sample ID: 500-169017-5

Date Collected: 08/26/19 13:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 75.5

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/06/19 16:30	09/09/19 11:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.020	0.0066	mg/Kg	☼	09/03/19 15:10	09/04/19 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.32		0.63	0.32	mg/Kg	☼	09/05/19 12:55	09/05/19 15:44	1
pH	8.0		0.2	0.2	SU			08/31/19 11:02	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (0-5)

Lab Sample ID: 500-169017-12

Date Collected: 08/26/19 14:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.011	J	0.020	0.0085	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Benzene	<0.00050		0.0020	0.00050	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Bromodichloromethane	<0.00040		0.0020	0.00040	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Bromoform	<0.00057		0.0020	0.00057	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Bromomethane	<0.0019		0.0049	0.0019	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
2-Butanone (MEK)	<0.0022		0.0049	0.0022	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Carbon disulfide	<0.0010		0.0049	0.0010	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Carbon tetrachloride	<0.00057		0.0020	0.00057	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Chlorobenzene	<0.00072		0.0020	0.00072	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Chloroethane	<0.0014		0.0049	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Chloroform	<0.00068		0.0020	0.00068	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Chloromethane	<0.0020		0.0049	0.0020	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
cis-1,2-Dichloroethene	<0.00055		0.0020	0.00055	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
cis-1,3-Dichloropropene	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Dibromochloromethane	<0.00064		0.0020	0.00064	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
1,1-Dichloroethane	<0.00067		0.0020	0.00067	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
1,2-Dichloroethane	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
1,1-Dichloroethene	<0.00067		0.0020	0.00067	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
1,2-Dichloropropane	<0.00051		0.0020	0.00051	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
1,3-Dichloropropane, Total	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Ethylbenzene	<0.00094		0.0020	0.00094	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
2-Hexanone	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Methylene Chloride	<0.0019		0.0049	0.0019	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0049	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Methyl tert-butyl ether	<0.00057		0.0020	0.00057	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Styrene	<0.00059		0.0020	0.00059	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
1,1,2,2-Tetrachloroethane	<0.00063		0.0020	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Tetrachloroethene	<0.00067		0.0020	0.00067	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Toluene	<0.00049		0.0020	0.00049	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
trans-1,2-Dichloroethene	<0.00087		0.0020	0.00087	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
trans-1,3-Dichloropropene	<0.00069		0.0020	0.00069	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
1,1,1-Trichloroethane	<0.00066		0.0020	0.00066	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
1,1,2-Trichloroethane	<0.00084		0.0020	0.00084	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Trichloroethene	<0.00066		0.0020	0.00066	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Vinyl acetate	<0.0017		0.0049	0.0017	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Vinyl chloride	<0.00087		0.0020	0.00087	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1
Xylenes, Total	<0.00063		0.0039	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		75 - 131	08/26/19 16:30	09/03/19 18:40	1
Dibromofluoromethane	100		75 - 126	08/26/19 16:30	09/03/19 18:40	1
1,2-Dichloroethane-d4 (Surr)	111		70 - 134	08/26/19 16:30	09/03/19 18:40	1
Toluene-d8 (Surr)	94		75 - 124	08/26/19 16:30	09/03/19 18:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0074		0.041	0.0074	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Acenaphthylene	<0.0054		0.041	0.0054	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Anthracene	<0.0069		0.041	0.0069	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Benzo[a]anthracene	<0.0056		0.041	0.0056	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (0-5)

Lab Sample ID: 500-169017-12

Date Collected: 08/26/19 14:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0080		0.041	0.0080	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Benzo[b]fluoranthene	<0.0089		0.041	0.0089	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Benzo[g,h,i]perylene	<0.013		0.041	0.013	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Benzo[k]fluoranthene	<0.012		0.041	0.012	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Bis(2-chloroethoxy)methane	<0.042		0.21	0.042	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Bis(2-chloroethyl)ether	<0.062		0.21	0.062	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Bis(2-ethylhexyl) phthalate	<0.075		0.21	0.075	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
4-Bromophenyl phenyl ether	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Butyl benzyl phthalate	<0.079		0.21	0.079	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Carbazole	<0.10		0.21	0.10	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
4-Chloroaniline	<0.19		0.83	0.19	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
4-Chloro-3-methylphenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2-Chloronaphthalene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2-Chlorophenol	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
4-Chlorophenyl phenyl ether	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Chrysene	<0.011		0.041	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Dibenz(a,h)anthracene	<0.0080		0.041	0.0080	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Dibenzofuran	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
1,2-Dichlorobenzene	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
1,3-Dichlorobenzene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
1,4-Dichlorobenzene	<0.053		0.21	0.053	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
3,3'-Dichlorobenzidine	<0.058		0.21	0.058	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2,4-Dichlorophenol	<0.098		0.41	0.098	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Diethyl phthalate	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2,4-Dimethylphenol	<0.16		0.41	0.16	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Dimethyl phthalate	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Di-n-butyl phthalate	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
4,6-Dinitro-2-methylphenol	<0.33		0.83	0.33	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2,4-Dinitrophenol	<0.73 *		0.83	0.73	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2,4-Dinitrotoluene	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2,6-Dinitrotoluene	<0.081		0.21	0.081	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Di-n-octyl phthalate	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Fluoranthene	<0.0077		0.041	0.0077	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Fluorene	<0.0058		0.041	0.0058	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Hexachlorobenzene	<0.0096		0.083	0.0096	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Hexachlorobutadiene	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Hexachlorocyclopentadiene	<0.24		0.83	0.24	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Hexachloroethane	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Indeno[1,2,3-cd]pyrene	<0.011		0.041	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Isophorone	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2-Methylnaphthalene	<0.0076		0.083	0.0076	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2-Methylphenol	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
3 & 4 Methylphenol	<0.069		0.21	0.069	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Naphthalene	<0.0064		0.041	0.0064	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2-Nitroaniline	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
3-Nitroaniline	<0.13		0.41	0.13	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
4-Nitroaniline	<0.17		0.41	0.17	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Nitrobenzene	<0.010		0.041	0.010	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2-Nitrophenol	<0.098		0.41	0.098	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (0-5)

Lab Sample ID: 500-169017-12

Date Collected: 08/26/19 14:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.39		0.83	0.39	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
N-Nitrosodi-n-propylamine	<0.050		0.083	0.050	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
N-Nitrosodiphenylamine	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2,2'-oxybis[1-chloropropane]	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Pentachlorophenol	<0.66		0.83	0.66	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Phenanthrene	<0.0058		0.041	0.0058	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Phenol	<0.092		0.21	0.092	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
Pyrene	<0.0082		0.041	0.0082	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
1,2,4-Trichlorobenzene	<0.044		0.21	0.044	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2,4,5-Trichlorophenol	<0.094		0.41	0.094	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1
2,4,6-Trichlorophenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 15:29	09/05/19 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	53		43 - 145	09/04/19 15:29	09/05/19 21:13	1
2-Fluorophenol	77		31 - 166	09/04/19 15:29	09/05/19 21:13	1
Nitrobenzene-d5	49		37 - 147	09/04/19 15:29	09/05/19 21:13	1
Phenol-d5	77		30 - 153	09/04/19 15:29	09/05/19 21:13	1
Terphenyl-d14	100		42 - 157	09/04/19 15:29	09/05/19 21:13	1
2,4,6-Tribromophenol	53		31 - 143	09/04/19 15:29	09/05/19 21:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.24		1.3	0.24	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Arsenic	5.3		0.63	0.21	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Barium	110		0.63	0.072	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Beryllium	0.76		0.25	0.059	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Cadmium	0.39	B	0.13	0.023	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Chromium	19		0.63	0.31	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Cobalt	9.7		0.31	0.082	mg/Kg	☼	09/03/19 08:35	09/04/19 17:40	1
Copper	17		0.63	0.18	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Iron	21000		13	6.5	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Lead	30		0.31	0.15	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Magnesium	4400		6.3	3.1	mg/Kg	☼	09/03/19 08:35	09/04/19 17:40	1
Calcium	6300	B	13	2.1	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Manganese	410		0.63	0.091	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Nickel	25		0.63	0.18	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Selenium	<0.37		0.63	0.37	mg/Kg	☼	09/03/19 08:35	09/04/19 17:40	1
Silver	4.8		0.31	0.081	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Thallium	1.2		0.63	0.31	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Vanadium	26		0.31	0.074	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Zinc	74		1.3	0.55	mg/Kg	☼	09/03/19 08:35	09/04/19 17:40	1
Potassium	2200		31	11	mg/Kg	☼	09/03/19 08:35	09/04/19 04:42	1
Sodium	1500		63	9.3	mg/Kg	☼	09/03/19 08:35	09/04/19 17:40	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:11	09/06/19 11:13	1
Barium	0.40	J	0.50	0.050	mg/L		09/05/19 15:11	09/06/19 11:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:11	09/06/19 11:13	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:11	09/06/19 11:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (0-5)

Lab Sample ID: 500-169017-12

Date Collected: 08/26/19 14:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	140		5.0	0.50	mg/L		09/05/19 15:11	09/06/19 11:13	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:13	1
Cobalt	0.011	J	0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:13	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:13	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:11	09/06/19 11:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:11	09/06/19 11:13	1
Magnesium	55		2.5	0.50	mg/L		09/05/19 15:11	09/06/19 11:13	1
Manganese	6.2		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:13	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:13	1
Potassium	4.6		2.5	0.50	mg/L		09/05/19 15:11	09/06/19 14:05	1
Selenium	<0.020	F1	0.050	0.020	mg/L		09/05/19 15:11	09/06/19 11:13	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:13	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:13	1
Zinc	0.31	J	0.50	0.020	mg/L		09/05/19 15:11	09/06/19 11:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.061		0.050	0.010	mg/L		09/05/19 15:09	09/06/19 10:11	1
Barium	0.87		0.50	0.050	mg/L		09/05/19 15:09	09/06/19 10:11	1
Beryllium	0.0078		0.0040	0.0040	mg/L		09/05/19 15:09	09/06/19 10:11	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		09/05/19 15:09	09/06/19 10:11	1
Calcium	21		5.0	0.50	mg/L		09/05/19 15:09	09/06/19 10:11	1
Chromium	0.18		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:11	1
Cobalt	0.067		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:11	1
Copper	0.19		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:11	1
Iron	190		0.40	0.20	mg/L		09/05/19 15:09	09/06/19 10:11	1
Lead	0.12		0.0075	0.0075	mg/L		09/05/19 15:09	09/06/19 10:11	1
Magnesium	31		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 10:11	1
Manganese	1.6		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:11	1
Nickel	0.19		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:11	1
Potassium	30		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 15:10	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:09	09/06/19 10:11	1
Silver	0.015	J	0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:11	1
Vanadium	0.30		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:11	1
Zinc	1.0	B	0.50	0.020	mg/L		09/05/19 15:09	09/06/19 10:11	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:11	09/06/19 18:05	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:11	09/06/19 18:05	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:09	09/06/19 19:28	1
Thallium	0.0032		0.0020	0.0020	mg/L		09/05/19 15:09	09/06/19 19:28	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00047		0.00025	0.00025	mg/L		09/06/19 14:00	09/09/19 10:22	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (0-5)

Lab Sample ID: 500-169017-12

Date Collected: 08/26/19 14:20

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 77.7

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/06/19 16:30	09/09/19 11:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.020	0.0068	mg/Kg	☼	09/03/19 15:10	09/04/19 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.27		0.54	0.27	mg/Kg	☼	09/05/19 12:55	09/05/19 15:46	1
pH	8.6		0.2	0.2	SU			08/31/19 11:17	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (5-9)

Lab Sample ID: 500-169017-13

Date Collected: 08/26/19 14:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 76.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.028		0.019	0.0084	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Benzene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Bromodichloromethane	<0.00039		0.0019	0.00039	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Bromoform	<0.00056		0.0019	0.00056	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Bromomethane	<0.0018		0.0048	0.0018	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
2-Butanone (MEK)	<0.0021		0.0048	0.0021	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Carbon disulfide	<0.0010		0.0048	0.0010	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Carbon tetrachloride	<0.00056		0.0019	0.00056	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Chlorobenzene	<0.00071		0.0019	0.00071	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Chloroethane	<0.0014		0.0048	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Chloroform	<0.00067		0.0019	0.00067	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Chloromethane	<0.0019		0.0048	0.0019	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
cis-1,2-Dichloroethene	<0.00054		0.0019	0.00054	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
cis-1,3-Dichloropropene	<0.00058		0.0019	0.00058	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Dibromochloromethane	<0.00063		0.0019	0.00063	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
1,1-Dichloroethane	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
1,2-Dichloroethane	<0.0015		0.0048	0.0015	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
1,1-Dichloroethene	<0.00067		0.0019	0.00067	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
1,2-Dichloropropene	<0.00050		0.0019	0.00050	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
1,3-Dichloropropene, Total	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Ethylbenzene	<0.00093		0.0019	0.00093	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
2-Hexanone	<0.0015		0.0048	0.0015	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Methylene Chloride	<0.0019		0.0048	0.0019	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0048	0.0014	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Methyl tert-butyl ether	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Styrene	<0.00058		0.0019	0.00058	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
1,1,2,2-Tetrachloroethane	<0.00062		0.0019	0.00062	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Tetrachloroethene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Toluene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
trans-1,2-Dichloroethene	<0.00086		0.0019	0.00086	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
trans-1,3-Dichloropropene	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
1,1,1-Trichloroethane	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
1,1,2-Trichloroethane	<0.00083		0.0019	0.00083	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Trichloroethene	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Vinyl acetate	<0.0017		0.0048	0.0017	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Vinyl chloride	<0.00086		0.0019	0.00086	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1
Xylenes, Total	<0.00062		0.0039	0.00062	mg/Kg	☼	08/26/19 16:30	09/03/19 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	08/26/19 16:30	09/03/19 19:06	1
Dibromofluoromethane	101		75 - 126	08/26/19 16:30	09/03/19 19:06	1
1,2-Dichloroethane-d4 (Surr)	113		70 - 134	08/26/19 16:30	09/03/19 19:06	1
Toluene-d8 (Surr)	96		75 - 124	08/26/19 16:30	09/03/19 19:06	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0075		0.041	0.0075	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Acenaphthylene	<0.0055		0.041	0.0055	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Anthracene	<0.0069		0.041	0.0069	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Benzo[a]anthracene	<0.0056		0.041	0.0056	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (5-9)

Lab Sample ID: 500-169017-13

Date Collected: 08/26/19 14:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 76.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0080		0.041	0.0080	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Benzo[b]fluoranthene	<0.0090		0.041	0.0090	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Benzo[g,h,i]perylene	<0.013		0.041	0.013	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Benzo[k]fluoranthene	<0.012		0.041	0.012	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Bis(2-chloroethoxy)methane	<0.042		0.21	0.042	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Bis(2-chloroethyl)ether	<0.062		0.21	0.062	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Bis(2-ethylhexyl) phthalate	<0.076		0.21	0.076	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
4-Bromophenyl phenyl ether	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Butyl benzyl phthalate	<0.079		0.21	0.079	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Carbazole	<0.10		0.21	0.10	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
4-Chloroaniline	<0.19		0.84	0.19	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
4-Chloro-3-methylphenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2-Chloronaphthalene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2-Chlorophenol	<0.071		0.21	0.071	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
4-Chlorophenyl phenyl ether	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Chrysene	<0.011		0.041	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Dibenz(a,h)anthracene	<0.0080		0.041	0.0080	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Dibenzofuran	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
1,2-Dichlorobenzene	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
1,3-Dichlorobenzene	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
1,4-Dichlorobenzene	<0.053		0.21	0.053	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
3,3'-Dichlorobenzidine	<0.058		0.21	0.058	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2,4-Dichlorophenol	<0.099		0.41	0.099	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Diethyl phthalate	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2,4-Dimethylphenol	<0.16		0.41	0.16	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Dimethyl phthalate	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Di-n-butyl phthalate	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
4,6-Dinitro-2-methylphenol	<0.33		0.84	0.33	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2,4-Dinitrophenol	<0.73 *		0.84	0.73	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2,4-Dinitrotoluene	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2,6-Dinitrotoluene	<0.082		0.21	0.082	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Di-n-octyl phthalate	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Fluoranthene	<0.0077		0.041	0.0077	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Fluorene	<0.0058		0.041	0.0058	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Hexachlorobenzene	<0.0096		0.084	0.0096	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Hexachlorobutadiene	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Hexachlorocyclopentadiene	<0.24		0.84	0.24	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Hexachloroethane	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Indeno[1,2,3-cd]pyrene	<0.011		0.041	0.011	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Isophorone	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2-Methylnaphthalene	<0.0076		0.084	0.0076	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2-Methylphenol	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
3 & 4 Methylphenol	<0.069		0.21	0.069	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Naphthalene	<0.0064		0.041	0.0064	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2-Nitroaniline	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
3-Nitroaniline	<0.13		0.41	0.13	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
4-Nitroaniline	<0.17		0.41	0.17	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Nitrobenzene	<0.010		0.041	0.010	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2-Nitrophenol	<0.098		0.41	0.098	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (5-9)

Lab Sample ID: 500-169017-13

Date Collected: 08/26/19 14:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 76.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.39		0.84	0.39	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
N-Nitrosodi-n-propylamine	<0.051		0.084	0.051	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
N-Nitrosodiphenylamine	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2,2'-oxybis[1-chloropropane]	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Pentachlorophenol	<0.67		0.84	0.67	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Phenanthrene	<0.0058		0.041	0.0058	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Phenol	<0.092		0.21	0.092	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
Pyrene	<0.0082		0.041	0.0082	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
1,2,4-Trichlorobenzene	<0.045		0.21	0.045	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2,4,5-Trichlorophenol	<0.095		0.41	0.095	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1
2,4,6-Trichlorophenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 15:29	09/05/19 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	58		43 - 145	09/04/19 15:29	09/05/19 21:41	1
2-Fluorophenol	83		31 - 166	09/04/19 15:29	09/05/19 21:41	1
Nitrobenzene-d5	53		37 - 147	09/04/19 15:29	09/05/19 21:41	1
Phenol-d5	79		30 - 153	09/04/19 15:29	09/05/19 21:41	1
Terphenyl-d14	102		42 - 157	09/04/19 15:29	09/05/19 21:41	1
2,4,6-Tribromophenol	40		31 - 143	09/04/19 15:29	09/05/19 21:41	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.3	0.25	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Arsenic	7.2		0.63	0.22	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Barium	85		0.63	0.072	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Beryllium	0.78		0.25	0.059	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Cadmium	0.38	B	0.13	0.023	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Chromium	21		0.63	0.31	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Cobalt	8.3		0.32	0.083	mg/Kg	☼	09/03/19 08:35	09/04/19 17:44	1
Copper	16		0.63	0.18	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Iron	26000		13	6.6	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Lead	17		0.32	0.15	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Magnesium	4200		6.3	3.1	mg/Kg	☼	09/03/19 08:35	09/04/19 17:44	1
Calcium	3200	B	13	2.1	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Manganese	120		0.63	0.092	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Nickel	27		0.63	0.18	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Selenium	0.52	J	0.63	0.37	mg/Kg	☼	09/03/19 08:35	09/04/19 17:44	1
Silver	5.2		0.32	0.082	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Thallium	1.6		0.63	0.32	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Vanadium	29		0.32	0.075	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Zinc	83		1.3	0.56	mg/Kg	☼	09/03/19 08:35	09/04/19 17:44	1
Potassium	2100		32	11	mg/Kg	☼	09/03/19 08:35	09/04/19 04:46	1
Sodium	450		63	9.4	mg/Kg	☼	09/03/19 08:35	09/04/19 17:44	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:11	09/06/19 11:30	1
Barium	0.21	J	0.50	0.050	mg/L		09/05/19 15:11	09/06/19 11:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:11	09/06/19 11:30	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:11	09/06/19 11:30	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (5-9)

Lab Sample ID: 500-169017-13

Date Collected: 08/26/19 14:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	53		5.0	0.50	mg/L		09/05/19 15:11	09/06/19 11:30	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:30	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:30	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:30	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:11	09/06/19 11:30	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:11	09/06/19 11:30	1
Magnesium	18		2.5	0.50	mg/L		09/05/19 15:11	09/06/19 11:30	1
Manganese	0.18		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:30	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:30	1
Potassium	6.3		2.5	0.50	mg/L		09/05/19 15:11	09/06/19 14:22	1
Selenium	0.020	J B	0.050	0.020	mg/L		09/05/19 15:11	09/06/19 11:30	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:30	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:11	09/06/19 11:30	1
Zinc	<0.020		0.50	0.020	mg/L		09/05/19 15:11	09/06/19 11:30	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.099	F1	0.050	0.010	mg/L		09/05/19 15:09	09/06/19 10:15	1
Barium	1.2	F1	0.50	0.050	mg/L		09/05/19 15:09	09/06/19 10:15	1
Beryllium	0.012	F1	0.0040	0.0040	mg/L		09/05/19 15:09	09/06/19 10:15	1
Cadmium	0.0037	J F1	0.0050	0.0020	mg/L		09/05/19 15:09	09/06/19 10:15	1
Calcium	33	F1	5.0	0.50	mg/L		09/05/19 15:09	09/06/19 10:15	1
Chromium	0.29	F1	0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:15	1
Cobalt	0.086		0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:15	1
Copper	0.23	F1	0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:15	1
Iron	310		0.40	0.20	mg/L		09/05/19 15:09	09/06/19 10:15	1
Lead	0.19	F1	0.0075	0.0075	mg/L		09/05/19 15:09	09/06/19 10:15	1
Magnesium	54		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 10:15	1
Manganese	0.86	F1	0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:15	1
Nickel	0.25	F1	0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:15	1
Potassium	43		2.5	0.50	mg/L		09/05/19 15:09	09/06/19 15:14	1
Selenium	<0.020	F1	0.050	0.020	mg/L		09/05/19 15:09	09/06/19 10:15	1
Silver	0.028	F1	0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:15	1
Vanadium	0.47	F1	0.025	0.010	mg/L		09/05/19 15:09	09/06/19 10:15	1
Zinc	0.94	B F1	0.50	0.020	mg/L		09/05/19 15:09	09/06/19 10:15	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:11	09/06/19 18:20	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:11	09/06/19 18:20	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	F1	0.0060	0.0060	mg/L		09/05/19 15:09	09/06/19 19:32	1
Thallium	0.0034	F1	0.0020	0.0020	mg/L		09/05/19 15:09	09/06/19 19:32	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0010		0.00025	0.00025	mg/L		09/06/19 14:00	09/09/19 10:24	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Client Sample ID: 3132V-8-B06 (5-9)

Lab Sample ID: 500-169017-13

Date Collected: 08/26/19 14:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 76.1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/06/19 16:30	09/09/19 11:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.056		0.021	0.0069	mg/Kg	☼	09/03/19 15:10	09/04/19 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.30		0.59	0.30	mg/Kg	☼	09/05/19 12:55	09/05/19 15:46	1
pH	7.5		0.2	0.2	SU			08/31/19 11:19	1

Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169017-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL

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500-169017 COC

Report To (optional) Mike Fischer
 Contact: Mike Fischer
 Company: EAI
 Address: 33 W. Monroe
 Address: Chicago, IL 60603
 Phone: 847-312-7670
 Fax:
 E-Mail: m.fischer@envirotest.com

Bill To (optional)
 Contact: Sam
 Company:
 Address:
 Address:
 Phone:
 Fax:
 PO#/Reference#

Chain of Custody Record

Lab Job #: 500-169017
 Chain of Custody Number:
 Page 1 of 2
 Temperature °C of Cooler: 133/40/2/3

Client		Client Project #		Preservative									
<u>EAI</u>		<u>2031-001-01</u>											
Project Name		Lab Project #		Parameter									
<u>ASTATS 174-809-W062</u>													
Project Location/State		Lab PM											
<u>Manhattan, FL</u>													
Sampler													
<u>B. Kinsella</u>													
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix							
			Date	Time									
<u>1</u>		<u>3132V-8-B01(0-5)</u>	<u>8/26/19</u>	<u>1235</u>	<u>5</u>	<u>S</u>	<u>NOCS</u>	<u>SUOCS</u>	<u>TAL Inorganics</u>	<u>TCLP/SPLP Inorganics</u>	<u>Total Cyanide</u>	<u>pH</u>	
<u>2</u>		<u>-B01(5-9)</u>		<u>1245</u>									
<u>3</u>		<u>-B02(0-5)</u>		<u>1300</u>									
<u>4</u>		<u>-B02(5-9)</u>		<u>1305</u>									
<u>5</u>		<u>-B02(5-9) DVP</u>		<u>1305</u>									
<u>6</u>		<u>-B03(0-5)</u>		<u>1325</u>									
<u>7</u>		<u>-B03(5-9)</u>		<u>1330</u>									
<u>8</u>		<u>-B04(0-5)</u>		<u>1340</u>									
<u>9</u>		<u>-B04(5-9)</u>		<u>1345</u>									
<u>10</u>		<u>-B05(0-5)</u>		<u>1400</u>									

- Preservative Key
1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

Comments

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other

Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <u>MAJ</u>	Company <u>EAI</u>	Date <u>8/26/19</u>	Time <u>1550</u>	Received By <u>Shirley</u>	Company <u>EAI</u>	Date <u>8/26/19</u>	Time <u>1550</u>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier

Shipped

Hand Delivered

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) Mila Fischer
Contact: Mila Fischer
Company: _____
Address: See PS-1
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To (optional) _____
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-169017
Chain of Custody Number: _____
Page 2 of 2
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
<u>EDI</u>		<u>2031-001-01</u>										
Project Name		Lab Project #		Date		Time		# of Containers		Matrix		
<u>174-009-WO 62</u>												
Project Location/State		Lab PM		Date		Time		# of Containers		Matrix		
<u>Manhattan, IL</u>												
Sampler		Lab PM		Date		Time		# of Containers		Matrix		
<u>B. Kinsella</u>												
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCS	TAL Inorganics	TCLP/SPLP (Inorganics)	Total Cyanide	pH
<u>11</u>		<u>3132V-8-B05(5-9)</u>	<u>8/26/19</u>	<u>1405</u>	<u>5</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>12</u>		<u>-B06(0-5)</u>	<u>1</u>	<u>1420</u>	<u>1</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>
<u>B</u>		<u>-B06(5-9)</u>	<u>1</u>	<u>1425</u>	<u>1</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>	<u>I</u>

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other
 Requested Due Date: _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>WJZ</u>	Company: <u>EDI</u>	Date: <u>8/26/19</u>	Time: <u>1550</u>	Received By: <u>Shun Li</u>	Company: <u>TA-CHA</u>	Date: <u>8/26/19</u>	Time: <u>1550</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: _____
 Shipped: _____
 Hand Delivered:

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-169017-1

Login Number: 169017

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

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.	True	
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	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	13.3,14.0,21.3
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.	True	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 531 - Manhattan-Monee Road Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

11400-11500 blocks of W. Manhattan-Monee Road (ISGS Site No. 3132V-10)

City: Green Garden State: IL Zip Code: 60442

County: Will Township: Green Garden

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.42544 Longitude: - 87.88781

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 280

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

LOCATIONS OF 3132V-10-B01 AND 3132V-10-B02 WERE SAMPLED AT SITE 3132V-10. SEE FIGURE 3-4 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TEST AMERICA REPORT - JOB ID: 500-169018-1

ALSO, SEE FIGURES 4-4 AND 4-9 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael Fischer (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

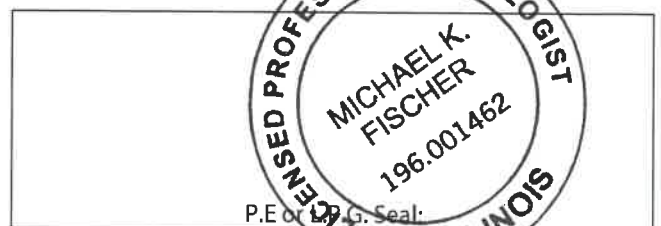
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Environmental Design International inc.
Street Address: 33 West Monroe Street, Suite 1825
City: Chicago State: IL Zip Code: 60603
Phone: 312-345-1400

Michael Fischer
Printed Name: _____


Licensed Professional Engineer or
Licensed Professional Geologist Signature: _____

10/06/2019
Date: _____



Summary Table of ISGS Site No. 3132V-10
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
IDOT Contract No: PTB 174-009; Work Order 062A
FAP 531 - Manhattan-Monee Road
Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-10-B01	3132V-10-B01	3132V-10-B01	3132V-10-B02	3132V-10-B02		
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						(0-5)	(0-5) Dup	(5-9)	(0-5)	(5-9)		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I						Sample Depth (feet)		0 - 5	0 - 5	5 - 9	0 - 5	5 - 9
												Lab Sample ID	ISGS Site No.	500-169018-1	500-169018-2	500-169018-3	500-169018-4	500-169018-5
						Chicago	MSAs	pH 6.25-9.0	Date Collected	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019				
Volatile Organic Analytical Parameters											No Detections							
Semivolatile Organic Analytical Parameters																		
Benzo[a]anthracene	mg/kg	0.9	---	170	---	2	*	1.1	1.8	0.9		0.022	0.016	ND	ND	ND		
Benzo[a]pyrene	mg/kg	0.09	---	17	---	8	*	1.3	2.1	0.09		0.026	0.020	ND	0.024	ND		
Benzo[b]fluoranthene	mg/kg	0.9	---	170	---	5	*	1.5	2.1	0.9		0.031	0.023	ND	ND	ND		
Benzo[g,h,i]perylene	mg/kg	2,300	---	61,000	---	27,000	---	0.68	1.7	2,300		0.016	ND	ND	ND	ND		
Benzo[k]fluoranthene	mg/kg	9	---	1,700	---	49	*	0.99	1.7	9		0.016	ND	ND	ND	ND		
Chrysene	mg/kg	88	---	17,000	---	160	*	1.2	2.7	88		0.028	0.019	ND	0.012	0.021		
Fluoranthene	mg/kg	3,100	---	82,000	---	4,300	*	2.7	4.1	3,100		0.034	0.014	ND	ND	ND		
Indeno[1,2,3-cd]pyrene	mg/kg	0.9	---	170	---	14	*	0.86	1.6	0.9		0.015	ND	ND	ND	ND		
Phenanthrene	mg/kg	2,300	---	61,000	---	200	---	1.3	2.5	210		0.0082	ND	ND	ND	0.0095		
Pyrene	mg/kg	2,300	---	61,000	---	4,200	*	1.9	3	2,300		0.027	0.014	ND	ND	0.0081		
Inorganic Analytical Parameters																		
Antimony	mg/kg	31	---	82	---	---	*	---	4	5		ND	0.25	0.43	ND	0.44		
Arsenic	mg/kg	13	750	61	25,000	---	*	---	13	11.3		6.4	7.1	6.2	7.6	6.4		
Barium	mg/kg	5,500	690,000	14,000	870,000	---	*	---	110	1,500		95	97	71	93	62		
Beryllium	mg/kg	160	1,300	410	44,000	---	*	---	0.59	22		0.74	0.74	0.72	0.72	0.72		
Cadmium	mg/kg	78	1,800	200	59,000	---	*	---	0.6	5.2		0.27	0.30	0.26	0.28	0.28		
Calcium	mg/kg	---	---	---	---	---	*	---	9,300	---		7500	15000	49000	13000	67000		
Chromium	mg/kg	230	270	4,100	690	---	*	---	16.2	21		18	18	21	19	20		
Cobalt	mg/kg	4,700	---	12,000	---	---	*	---	8.9	20		10	11	13	12	12		
Copper	mg/kg	2,900	---	8,200	---	---	*	---	19.6	2,900		19	20	21	21	19		
Iron	mg/kg	---	---	---	---	---	*	---	15,900	15,000		22000	23000	23000	23000	24000		
Lead	mg/kg	400	---	700	---	---	*	---	36	107		20	23	13	24	12		
Magnesium	mg/kg	325,000	---	730,000	---	---	*	---	4,820	325,000		5200	8500	20000	6300	22000		
Manganese	mg/kg	1,600	69,000	4,100	8,700	---	*	---	636	630		370	350	340	620	380		
Mercury	mg/kg	23	10	61	0.1	---	*	---	0.06	0.89		0.062	0.044	0.025	0.039	0.023		
Nickel	mg/kg	1,600	13,000	4,100	440,000	---	*	---	18	100		29	31	36	30	34		
Potassium	mg/kg	---	---	---	---	---	*	---	1,268	---		2000	2200	3500	2100	3600		
Selenium	mg/kg	390	---	1,000	---	---	*	---	0.48	1.3		0.40	ND	ND	ND	ND		
Silver	mg/kg	390	---	1,000	---	---	*	---	0.55	4.4		4.6	4.8	4.4	4.4	4.3		
Sodium	mg/kg	---	---	---	---	---	*	---	130	---		1600	1800	720	1700	830		
Thallium	mg/kg	6	---	160	---	---	*	---	0.32	2.6		1.4	1.6	1.1	1.3	1.2		
Vanadium	mg/kg	550	---	1,400	---	---	*	---	25.2	550		24	24	24	26	23		
Zinc	mg/kg	23,000	---	61,000	---	---	*	---	95	5,100		77	73	65	63	56		
pH										6.25 - 9.0		8.6	8.8	8.7	8.9	8.3		

Summary Table of ISGS Site No. 3132V-10
 Detected Soil Analytes and Comparison with Applicable Criteria
 Soil Analytical Results
 IDOT Contract No: PTB 174-009; Work Order 062A
 FAP 531 - Manhattan-Monee Road
 Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-10-B01	3132V-10-B01	3132V-10-B01	3132V-10-B02	3132V-10-B02		
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						(0-5)	(0-5) Dup	(5-9)	(0-5)	(5-9)		
		Ingestion	Inhalation	Ingestion	Inhalation	Class I						Sample Depth (feet)		0 - 5	0 - 5	5 - 9	0 - 5	5 - 9
												Lab Sample ID	500-169018-1	500-169018-2	500-169018-3	500-169018-4	500-169018-5	
												mg/kg	ISGS Site No.	3132V-10	3132V-10	3132V-10	3132V-10	3132V-10
					pH 6.25-9.0	Date Collected	8/26/2019	8/26/2019	8/26/2019	8/26/2019	8/26/2019							
Inorganic Analytical Parameters (TCLP)																		
Antimony, TCLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND	ND	ND			
Arsenic, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND			
Barium, TCLP	mg/L	---	---	---	---	2	---	---	---	---	0.40	0.38	0.39	0.41	0.42			
Beryllium, TCLP	mg/L	---	---	---	---	0.004	---	---	---	---	ND	ND	ND	ND	ND			
Cadmium, TCLP	mg/L	---	---	---	---	0.005	---	---	---	---	ND	ND	0.0028	ND	ND			
Calcium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	280	300	1100	580	580			
Chromium, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	ND	ND	ND	ND			
Cobalt, TCLP	mg/L	---	---	---	---	1	---	---	---	---	ND	ND	0.023	ND	ND			
Copper, TCLP	mg/L	---	---	---	---	0.65	---	---	---	---	ND	ND	ND	ND	ND			
Iron, TCLP	mg/L	---	---	---	---	5	---	---	---	---	ND	ND	ND	ND	ND			
Lead, TCLP	mg/L	---	---	---	---	0.0075	---	---	---	---	ND	ND	ND	ND	ND			
Magnesium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	100	94	200	23	22			
Manganese, TCLP	mg/L	---	---	---	---	0.15	---	---	---	---	0.30	0.25	2.8	0.046	1.3			
Mercury, TCLP	mg/L	---	---	---	---	0.002	---	---	---	---	ND	ND	ND	ND	ND			
Nickel, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	ND	0.019	ND	ND			
Potassium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	1.3	1.5	1.1	1.2	3.6			
Selenium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND			
Sodium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	--	--	--	--	--			
Silver, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND			
Thallium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	ND	ND	ND	ND	ND			
Vanadium, TCLP	mg/L	---	---	---	---	0.049	---	---	---	---	ND	ND	ND	ND	ND			
Zinc, TCLP	mg/L	---	---	---	---	5	---	---	---	---	0.12	0.14	ND	ND	0.56			
Inorganic Analytical Parameters (SPLP)																		
Antimony, SPLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND	ND	ND			
Arsenic, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.051	0.064	0.063	0.079	0.044			
Barium, SPLP	mg/L	---	---	---	---	2	---	---	---	---	0.63	0.74	0.61	0.88	0.52			
Beryllium, SPLP	mg/L	---	---	---	---	0.004	---	---	---	---	0.0056	0.0072	0.0069	0.0089	0.0057			
Cadmium, SPLP	mg/L	---	---	---	---	0.005	---	---	---	---	0.0022	0.0023	0.0021	0.0025	0.0021			
Calcium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	24	31	71	52	77			
Chromium, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.15	0.18	0.16	0.22	0.14			
Cobalt, SPLP	mg/L	---	---	---	---	1	---	---	---	---	0.032	0.041	0.051	0.052	0.045			
Copper, SPLP	mg/L	---	---	---	---	0.65	---	---	---	---	0.14	0.17	0.18	0.20	0.14			
Iron, SPLP	mg/L	---	---	---	---	5	---	---	---	---	150	190	160	220	140			
Lead, SPLP	mg/L	---	---	---	---	0.0075	---	---	---	---	0.093	0.093	0.078	0.11	0.069			
Magnesium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	27	35	46	46	44			
Manganese, SPLP	mg/L	---	---	---	---	0.15	---	---	---	---	0.67	0.78	0.78	1.0	0.86			
Mercury, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	ND	ND	ND	ND	0.0020			
Nickel, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.15	0.18	0.19	0.22	0.16			
Potassium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	27	35	43	42	43			
Selenium, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND	ND	ND			
Silver, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.012	0.014	0.015	0.015	0.011			
Sodium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	--	--	--	--	--			
Thallium, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.0029	0.0037	0.0029	0.0040	ND			
Vanadium, SPLP	mg/L	---	---	---	---	0.049	---	---	---	---	0.22	0.26	0.21	0.32	0.19			
Zinc, SPLP	mg/L	---	---	---	---	5	---	---	---	---	1.0	0.69	0.92	0.73	0.44			

Table Notes

Remediation Objectives from 35 Illinois Administrative Code Chapter 742: *Tiered Approach to Corrective Action Objectives* (TACO) and the most stringent Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil (MACs) outline in Title 35 Administrative Code of the Illinois Administrative Code Part 1100 (35 IAC 1100).

Remediation Objectives for Non-TACO compounds from Illinois Environmental Protection Agency's (IEPA's) web site (<http://www.epa.state.il.us/land/taco/chemicals-not-in-taco-tier-1-tables.html>).

mg/kg = milligrams per kilogram, generally equivalent to ppm

mg/L = milligrams per liter, generally equivalent to parts per million (ppm)

TCLP = Toxicity Characteristic Leaching Procedure

SPLP = Synthetic Precipitation Leaching Procedure

-- = Sample not analyzed for this constituent

--- = No IEPA Remediation Objective (RO) for this exposure route.

---- = Not measured

ND = Constituent not detected above the reporting limit.


Italicized Tier 1 ROs were changed to laboratory Acceptable Detection Limits (ADL) per 35 IAC 742.510(a)(8).


* In pH-specific table, hexavalent chromium used as RO for total chromium to allow for a conservative comparison. Since no Class II pH-specific ROs exist for chromium, silver, and vanadium, conservative Class I ROs used for comparison.

**Lab Data for 3 & 4 methylphenol compared to 4 methylphenol Ros.

 Yellow is above the most stringent MAC

 Blue is above MAC and City of Chicago but below the MSA

 Green is above MAC and MSA County

 Orange is above the lowest construction worker RO

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-169018-1
Client Project/Site: IDOT - PTB 174-009 - WO 062

For:
Environmental Design International, Inc.
33 W. Monroe
Suite 1825
Chicago, Illinois 60603

Attn: Michael Fischer



Authorized for release by:
9/6/2019 4:24:49 PM

Richard Wright, Senior Project Manager
(708)534-5200
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LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
1312	SPLP Extraction	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
9010B	Cyanide, Distillation	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5)

Lab Sample ID: 500-169018-1

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0078		0.018	0.0078	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Benzene	<0.00046		0.0018	0.00046	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Bromodichloromethane	<0.00036		0.0018	0.00036	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Bromoform	<0.00052		0.0018	0.00052	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Bromomethane	<0.0017		0.0045	0.0017	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
2-Butanone (MEK)	<0.0020		0.0045	0.0020	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Carbon disulfide	<0.00093		0.0045	0.00093	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Carbon tetrachloride	<0.00052		0.0018	0.00052	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Chlorobenzene	<0.00066		0.0018	0.00066	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Chloroethane	<0.0013 *		0.0045	0.0013	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Chloroform	<0.00062		0.0018	0.00062	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Chloromethane	<0.0018		0.0045	0.0018	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
cis-1,2-Dichloroethene	<0.00050		0.0018	0.00050	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
cis-1,3-Dichloropropene	<0.00054		0.0018	0.00054	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Dibromochloromethane	<0.00059		0.0018	0.00059	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
1,1-Dichloroethane	<0.00061		0.0018	0.00061	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
1,2-Dichloroethane	<0.0014		0.0045	0.0014	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
1,1-Dichloroethene	<0.00062		0.0018	0.00062	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
1,2-Dichloropropane	<0.00046		0.0018	0.00046	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
1,3-Dichloropropane, Total	<0.00063		0.0018	0.00063	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Ethylbenzene	<0.00086		0.0018	0.00086	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
2-Hexanone	<0.0014		0.0045	0.0014	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Methylene Chloride	<0.0018		0.0045	0.0018	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
4-Methyl-2-pentanone (MIBK)	<0.0013		0.0045	0.0013	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Methyl tert-butyl ether	<0.00053		0.0018	0.00053	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Styrene	<0.00054		0.0018	0.00054	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
1,1,2,2-Tetrachloroethane	<0.00057		0.0018	0.00057	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Tetrachloroethene	<0.00061		0.0018	0.00061	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Toluene	<0.00045		0.0018	0.00045	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
trans-1,2-Dichloroethene	<0.00079		0.0018	0.00079	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
trans-1,3-Dichloropropene	<0.00063		0.0018	0.00063	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
1,1,1-Trichloroethane	<0.00060		0.0018	0.00060	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
1,1,2-Trichloroethane	<0.00077		0.0018	0.00077	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Trichloroethene	<0.00060		0.0018	0.00060	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Vinyl acetate	<0.0016		0.0045	0.0016	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Vinyl chloride	<0.00079		0.0018	0.00079	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1
Xylenes, Total	<0.00057		0.0036	0.00057	mg/Kg	☼	08/26/19 16:30	09/04/19 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/26/19 16:30	09/04/19 12:26	1
Dibromofluoromethane	100		75 - 126	08/26/19 16:30	09/04/19 12:26	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	08/26/19 16:30	09/04/19 12:26	1
Toluene-d8 (Surr)	96		75 - 124	08/26/19 16:30	09/04/19 12:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0075		0.041	0.0075	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Acenaphthylene	<0.0055		0.041	0.0055	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Anthracene	<0.0070		0.041	0.0070	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Benzo[a]anthracene	0.022	J	0.041	0.0056	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5)

Lab Sample ID: 500-169018-1

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.026	J	0.041	0.0081	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Benzo[b]fluoranthene	0.031	J	0.041	0.0090	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Benzo[g,h,i]perylene	0.016	J	0.041	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Benzo[k]fluoranthene	0.016	J	0.041	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Bis(2-chloroethoxy)methane	<0.043		0.21	0.043	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Bis(2-chloroethyl)ether	<0.062		0.21	0.062	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Bis(2-ethylhexyl) phthalate	<0.076		0.21	0.076	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
4-Bromophenyl phenyl ether	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Butyl benzyl phthalate	<0.079		0.21	0.079	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Carbazole	<0.10		0.21	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
4-Chloroaniline	<0.20		0.84	0.20	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
4-Chloro-3-methylphenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2-Chloronaphthalene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2-Chlorophenol	<0.071		0.21	0.071	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
4-Chlorophenyl phenyl ether	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Chrysene	0.028	J	0.041	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Dibenz(a,h)anthracene	<0.0081		0.041	0.0081	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Dibenzofuran	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
1,2-Dichlorobenzene	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
1,3-Dichlorobenzene	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
1,4-Dichlorobenzene	<0.053		0.21	0.053	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
3,3'-Dichlorobenzidine	<0.058		0.21	0.058	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2,4-Dichlorophenol	<0.099		0.41	0.099	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Diethyl phthalate	<0.071		0.21	0.071	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2,4-Dimethylphenol	<0.16		0.41	0.16	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Dimethyl phthalate	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Di-n-butyl phthalate	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
4,6-Dinitro-2-methylphenol	<0.33		0.84	0.33	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2,4-Dinitrophenol	<0.73		0.84	0.73	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2,4-Dinitrotoluene	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2,6-Dinitrotoluene	<0.082		0.21	0.082	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Di-n-octyl phthalate	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Fluoranthene	0.034	J	0.041	0.0077	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Fluorene	<0.0059		0.041	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Hexachlorobenzene	<0.0097		0.084	0.0097	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Hexachlorobutadiene	<0.065		0.21	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Hexachlorocyclopentadiene	<0.24		0.84	0.24	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Hexachloroethane	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Indeno[1,2,3-cd]pyrene	0.015	J	0.041	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Isophorone	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2-Methylnaphthalene	<0.0077		0.084	0.0077	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2-Methylphenol	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
3 & 4 Methylphenol	<0.069		0.21	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Naphthalene	<0.0064		0.041	0.0064	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2-Nitroaniline	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
3-Nitroaniline	<0.13		0.41	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
4-Nitroaniline	<0.17		0.41	0.17	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Nitrobenzene	<0.010		0.041	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2-Nitrophenol	<0.098		0.41	0.098	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5)

Lab Sample ID: 500-169018-1

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.40		0.84	0.40	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
N-Nitrosodi-n-propylamine	<0.051		0.084	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
N-Nitrosodiphenylamine	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2,2'-oxybis[1-chloropropane]	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Pentachlorophenol	<0.67		0.84	0.67	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Phenanthrene	0.0082	J	0.041	0.0058	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Phenol	<0.093		0.21	0.093	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
Pyrene	0.027	J	0.041	0.0083	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
1,2,4-Trichlorobenzene	<0.045		0.21	0.045	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2,4,5-Trichlorophenol	<0.095		0.41	0.095	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1
2,4,6-Trichlorophenol	<0.14		0.41	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	56		43 - 145	09/04/19 19:14	09/05/19 19:26	1
2-Fluorophenol	54		31 - 166	09/04/19 19:14	09/05/19 19:26	1
Nitrobenzene-d5	51		37 - 147	09/04/19 19:14	09/05/19 19:26	1
Phenol-d5	53		30 - 153	09/04/19 19:14	09/05/19 19:26	1
Terphenyl-d14	98		42 - 157	09/04/19 19:14	09/05/19 19:26	1
2,4,6-Tribromophenol	60		31 - 143	09/04/19 19:14	09/05/19 19:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.23		1.2	0.23	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Arsenic	6.4		0.60	0.20	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Barium	95		0.60	0.068	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Beryllium	0.74		0.24	0.056	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Cadmium	0.27	B	0.12	0.021	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Chromium	18		0.60	0.30	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Cobalt	10		0.30	0.078	mg/Kg	☼	09/03/19 08:35	09/04/19 17:48	1
Copper	19		0.60	0.17	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Iron	22000		12	6.2	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Lead	20		0.30	0.14	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Magnesium	5200		6.0	3.0	mg/Kg	☼	09/03/19 08:35	09/04/19 17:48	1
Calcium	7500	B	12	2.0	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Manganese	370		0.60	0.086	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Nickel	29		0.60	0.17	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Selenium	0.40	J	0.60	0.35	mg/Kg	☼	09/03/19 08:35	09/04/19 17:48	1
Silver	4.6		0.30	0.077	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Thallium	1.4		0.60	0.30	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Vanadium	24		0.30	0.070	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Zinc	77		1.2	0.52	mg/Kg	☼	09/03/19 08:35	09/04/19 17:48	1
Potassium	2000		30	11	mg/Kg	☼	09/03/19 08:35	09/04/19 04:50	1
Sodium	1600		60	8.8	mg/Kg	☼	09/03/19 08:35	09/04/19 17:48	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 10:36	1
Barium	0.40	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 10:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 10:36	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 10:36	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5)

Lab Sample ID: 500-169018-1

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	280		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 10:36	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:36	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:36	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:36	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 10:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 10:36	1
Magnesium	100		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:36	1
Manganese	0.30		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:36	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:36	1
Potassium	1.3	J	2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:36	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 10:36	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:36	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:36	1
Zinc	0.12	J	0.50	0.020	mg/L		09/05/19 15:12	09/06/19 10:36	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.051		0.050	0.010	mg/L		09/05/19 15:08	09/06/19 12:10	1
Barium	0.63		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 12:10	1
Beryllium	0.0056		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 12:10	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 12:10	1
Calcium	24		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 12:10	1
Chromium	0.15		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:10	1
Cobalt	0.032		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:10	1
Copper	0.14		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:10	1
Iron	150		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 12:10	1
Lead	0.093		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 12:10	1
Magnesium	27		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:10	1
Manganese	0.67		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:10	1
Nickel	0.15		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:10	1
Potassium	27		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:10	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 12:10	1
Silver	0.012	J	0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:10	1
Vanadium	0.22		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:10	1
Zinc	1.0	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 12:10	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 11:38	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 11:38	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 12:17	1
Thallium	0.0029		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 12:17	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00050		0.00050	0.00050	mg/L		09/05/19 14:45	09/06/19 09:50	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5)

Lab Sample ID: 500-169018-1

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 07:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.062		0.021	0.0069	mg/Kg	☼	08/30/19 15:10	09/03/19 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.31		0.62	0.31	mg/Kg	☼	09/05/19 09:15	09/05/19 14:40	1
pH	8.6		0.2	0.2	SU			08/31/19 11:21	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5) Dup

Lab Sample ID: 500-169018-2

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0085		0.019	0.0085	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Benzene	<0.00050		0.0019	0.00050	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Bromodichloromethane	<0.00040		0.0019	0.00040	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Bromoform	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Bromomethane	<0.0018		0.0049	0.0018	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
2-Butanone (MEK)	<0.0022		0.0049	0.0022	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Carbon disulfide	<0.0010		0.0049	0.0010	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Carbon tetrachloride	<0.00056		0.0019	0.00056	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Chlorobenzene	<0.00072		0.0019	0.00072	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Chloroethane	<0.0014 *		0.0049	0.0014	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Chloroform	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Chloromethane	<0.0020		0.0049	0.0020	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
cis-1,2-Dichloroethene	<0.00054		0.0019	0.00054	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
cis-1,3-Dichloropropene	<0.00059		0.0019	0.00059	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Dibromochloromethane	<0.00064		0.0019	0.00064	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
1,1-Dichloroethane	<0.00067		0.0019	0.00067	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
1,2-Dichloroethane	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
1,1-Dichloroethene	<0.00067		0.0019	0.00067	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
1,2-Dichloropropane	<0.00050		0.0019	0.00050	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
1,3-Dichloropropane, Total	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Ethylbenzene	<0.00093		0.0019	0.00093	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
2-Hexanone	<0.0015		0.0049	0.0015	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Methylene Chloride	<0.0019		0.0049	0.0019	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0049	0.0014	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Methyl tert-butyl ether	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Styrene	<0.00059		0.0019	0.00059	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
1,1,2,2-Tetrachloroethane	<0.00062		0.0019	0.00062	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Tetrachloroethene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Toluene	<0.00049		0.0019	0.00049	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
trans-1,2-Dichloroethene	<0.00086		0.0019	0.00086	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
trans-1,3-Dichloropropene	<0.00068		0.0019	0.00068	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
1,1,1-Trichloroethane	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
1,1,2-Trichloroethane	<0.00084		0.0019	0.00084	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Trichloroethene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Vinyl acetate	<0.0017		0.0049	0.0017	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Vinyl chloride	<0.00086		0.0019	0.00086	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1
Xylenes, Total	<0.00062		0.0039	0.00062	mg/Kg	☼	08/26/19 16:30	09/04/19 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	08/26/19 16:30	09/04/19 12:52	1
Dibromofluoromethane	100		75 - 126	08/26/19 16:30	09/04/19 12:52	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134	08/26/19 16:30	09/04/19 12:52	1
Toluene-d8 (Surr)	96		75 - 124	08/26/19 16:30	09/04/19 12:52	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0076		0.042	0.0076	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Acenaphthylene	<0.0056		0.042	0.0056	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Anthracene	<0.0071		0.042	0.0071	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Benzo[a]anthracene	0.016	J	0.042	0.0057	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5) Dup

Lab Sample ID: 500-169018-2

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.020	J	0.042	0.0082	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Benzo[b]fluoranthene	0.023	J	0.042	0.0091	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Benzo[g,h,i]perylene	<0.014		0.042	0.014	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Benzo[k]fluoranthene	<0.012		0.042	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Bis(2-chloroethoxy)methane	<0.043		0.21	0.043	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Bis(2-chloroethyl)ether	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Bis(2-ethylhexyl) phthalate	<0.077		0.21	0.077	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
4-Bromophenyl phenyl ether	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Butyl benzyl phthalate	<0.080		0.21	0.080	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Carbazole	<0.11		0.21	0.11	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
4-Chloroaniline	<0.20		0.85	0.20	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
4-Chloro-3-methylphenol	<0.14		0.42	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2-Chloronaphthalene	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2-Chlorophenol	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
4-Chlorophenyl phenyl ether	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Chrysene	0.019	J	0.042	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Dibenz(a,h)anthracene	<0.0082		0.042	0.0082	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Dibenzofuran	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
1,2-Dichlorobenzene	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
1,3-Dichlorobenzene	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
1,4-Dichlorobenzene	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
3,3'-Dichlorobenzidine	<0.059		0.21	0.059	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2,4-Dichlorophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Diethyl phthalate	<0.072		0.21	0.072	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2,4-Dimethylphenol	<0.16		0.42	0.16	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Dimethyl phthalate	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Di-n-butyl phthalate	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
4,6-Dinitro-2-methylphenol	<0.34		0.85	0.34	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2,4-Dinitrophenol	<0.74		0.85	0.74	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2,4-Dinitrotoluene	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2,6-Dinitrotoluene	<0.083		0.21	0.083	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Di-n-octyl phthalate	<0.069		0.21	0.069	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Fluoranthene	0.014	J	0.042	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Fluorene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Hexachlorobenzene	<0.0098		0.085	0.0098	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Hexachlorobutadiene	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Hexachlorocyclopentadiene	<0.24		0.85	0.24	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Hexachloroethane	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Indeno[1,2,3-cd]pyrene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Isophorone	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2-Methylnaphthalene	<0.0078		0.085	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2-Methylphenol	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
3 & 4 Methylphenol	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Naphthalene	<0.0065		0.042	0.0065	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2-Nitroaniline	<0.057		0.21	0.057	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
3-Nitroaniline	<0.13		0.42	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
4-Nitroaniline	<0.18		0.42	0.18	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Nitrobenzene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2-Nitrophenol	<0.10		0.42	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5) Dup

Lab Sample ID: 500-169018-2

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.40		0.85	0.40	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
N-Nitrosodi-n-propylamine	<0.052		0.085	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
N-Nitrosodiphenylamine	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2,2'-oxybis[1-chloropropane]	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Pentachlorophenol	<0.68		0.85	0.68	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Phenanthrene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Phenol	<0.094		0.21	0.094	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
Pyrene	0.014	J	0.042	0.0084	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
1,2,4-Trichlorobenzene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2,4,5-Trichlorophenol	<0.096		0.42	0.096	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1
2,4,6-Trichlorophenol	<0.14		0.42	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		43 - 145	09/04/19 19:14	09/05/19 19:49	1
2-Fluorophenol	62		31 - 166	09/04/19 19:14	09/05/19 19:49	1
Nitrobenzene-d5	63		37 - 147	09/04/19 19:14	09/05/19 19:49	1
Phenol-d5	59		30 - 153	09/04/19 19:14	09/05/19 19:49	1
Terphenyl-d14	105		42 - 157	09/04/19 19:14	09/05/19 19:49	1
2,4,6-Tribromophenol	60		31 - 143	09/04/19 19:14	09/05/19 19:49	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.25	J	1.2	0.23	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Arsenic	7.1		0.58	0.20	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Barium	97		0.58	0.067	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Beryllium	0.74		0.23	0.055	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Cadmium	0.30	B	0.12	0.021	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Chromium	18		0.58	0.29	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Cobalt	11		0.29	0.076	mg/Kg	☼	09/03/19 08:35	09/04/19 18:00	1
Copper	20		0.58	0.16	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Iron	23000		12	6.1	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Lead	23		0.29	0.13	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Magnesium	8500		5.8	2.9	mg/Kg	☼	09/03/19 08:35	09/04/19 18:00	1
Calcium	15000	B	12	2.0	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Manganese	350		0.58	0.085	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Nickel	31		0.58	0.17	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Selenium	<0.34		0.58	0.34	mg/Kg	☼	09/03/19 08:35	09/04/19 18:00	1
Silver	4.8		0.29	0.075	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Thallium	1.6		0.58	0.29	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Vanadium	24		0.29	0.069	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Zinc	73		1.2	0.51	mg/Kg	☼	09/03/19 08:35	09/04/19 18:00	1
Potassium	2200		29	10	mg/Kg	☼	09/03/19 08:35	09/04/19 04:54	1
Sodium	1800		58	8.6	mg/Kg	☼	09/03/19 08:35	09/04/19 18:00	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 10:40	1
Barium	0.38	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 10:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 10:40	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 10:40	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5) Dup

Lab Sample ID: 500-169018-2

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	300		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 10:40	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:40	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:40	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:40	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 10:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 10:40	1
Magnesium	94		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:40	1
Manganese	0.25		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:40	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:40	1
Potassium	1.5 J		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:40	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 10:40	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:40	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:40	1
Zinc	0.14 J		0.50	0.020	mg/L		09/05/19 15:12	09/06/19 10:40	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.064		0.050	0.010	mg/L		09/05/19 15:08	09/06/19 12:14	1
Barium	0.74		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 12:14	1
Beryllium	0.0072		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 12:14	1
Cadmium	0.0023 J		0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 12:14	1
Calcium	31		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 12:14	1
Chromium	0.18		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:14	1
Cobalt	0.041		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:14	1
Copper	0.17		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:14	1
Iron	190		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 12:14	1
Lead	0.093		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 12:14	1
Magnesium	35		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:14	1
Manganese	0.78		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:14	1
Nickel	0.18		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:14	1
Potassium	35		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:14	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 12:14	1
Silver	0.014 J		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:14	1
Vanadium	0.26		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:14	1
Zinc	0.69 B		0.50	0.020	mg/L		09/05/19 15:08	09/06/19 12:14	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 11:41	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 11:41	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 12:21	1
Thallium	0.0037		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 12:21	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00050		0.00050	0.00050	mg/L		09/05/19 14:45	09/06/19 09:51	1

Eurolins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (0-5) Dup

Lab Sample ID: 500-169018-2

Date Collected: 08/26/19 09:25

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 78.0

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 08:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.021	0.0068	mg/Kg	☼	08/30/19 15:10	09/03/19 10:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.31		0.63	0.31	mg/Kg	☼	09/05/19 09:15	09/05/19 14:41	1
pH	8.8		0.2	0.2	SU			08/31/19 11:23	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (5-9)

Lab Sample ID: 500-169018-3

Date Collected: 08/26/19 09:30

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 83.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0075		0.017	0.0075	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Benzene	<0.00044		0.0017	0.00044	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Bromodichloromethane	<0.00035		0.0017	0.00035	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Bromoform	<0.00050		0.0017	0.00050	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Bromomethane	<0.0016		0.0043	0.0016	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
2-Butanone (MEK)	<0.0019		0.0043	0.0019	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Carbon disulfide	<0.00090		0.0043	0.00090	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Carbon tetrachloride	<0.00050		0.0017	0.00050	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Chlorobenzene	<0.00064		0.0017	0.00064	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Chloroethane	<0.0013 *		0.0043	0.0013	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Chloroform	<0.00060		0.0017	0.00060	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Chloromethane	<0.0017		0.0043	0.0017	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
cis-1,2-Dichloroethene	<0.00048		0.0017	0.00048	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
cis-1,3-Dichloropropene	<0.00052		0.0017	0.00052	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Dibromochloromethane	<0.00056		0.0017	0.00056	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
1,1-Dichloroethane	<0.00059		0.0017	0.00059	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
1,2-Dichloroethane	<0.0013		0.0043	0.0013	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
1,1-Dichloroethene	<0.00059		0.0017	0.00059	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
1,2-Dichloropropane	<0.00045		0.0017	0.00045	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
1,3-Dichloropropane, Total	<0.00061		0.0017	0.00061	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Ethylbenzene	<0.00083		0.0017	0.00083	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
2-Hexanone	<0.0013		0.0043	0.0013	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Methylene Chloride	<0.0017		0.0043	0.0017	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
4-Methyl-2-pentanone (MIBK)	<0.0013		0.0043	0.0013	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Methyl tert-butyl ether	<0.00051		0.0017	0.00051	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Styrene	<0.00052		0.0017	0.00052	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
1,1,2,2-Tetrachloroethane	<0.00055		0.0017	0.00055	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Tetrachloroethene	<0.00059		0.0017	0.00059	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Toluene	<0.00044		0.0017	0.00044	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
trans-1,2-Dichloroethene	<0.00077		0.0017	0.00077	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
trans-1,3-Dichloropropene	<0.00061		0.0017	0.00061	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
1,1,1-Trichloroethane	<0.00058		0.0017	0.00058	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
1,1,2-Trichloroethane	<0.00074		0.0017	0.00074	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Trichloroethene	<0.00058		0.0017	0.00058	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Vinyl acetate	<0.0015		0.0043	0.0015	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Vinyl chloride	<0.00076		0.0017	0.00076	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1
Xylenes, Total	<0.00055		0.0035	0.00055	mg/Kg	☼	08/26/19 16:30	09/04/19 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		75 - 131	08/26/19 16:30	09/04/19 13:19	1
Dibromofluoromethane	98		75 - 126	08/26/19 16:30	09/04/19 13:19	1
1,2-Dichloroethane-d4 (Surr)	112		70 - 134	08/26/19 16:30	09/04/19 13:19	1
Toluene-d8 (Surr)	97		75 - 124	08/26/19 16:30	09/04/19 13:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0072		0.040	0.0072	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Acenaphthylene	<0.0052		0.040	0.0052	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Anthracene	<0.0066		0.040	0.0066	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Benzo[a]anthracene	<0.0054		0.040	0.0054	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (5-9)

Lab Sample ID: 500-169018-3

Date Collected: 08/26/19 09:30

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 83.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0077		0.040	0.0077	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Benzo[b]fluoranthene	<0.0086		0.040	0.0086	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Benzo[g,h,i]perylene	<0.013		0.040	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Benzo[k]fluoranthene	<0.012		0.040	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Bis(2-chloroethoxy)methane	<0.041		0.20	0.041	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Bis(2-chloroethyl)ether	<0.060		0.20	0.060	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Bis(2-ethylhexyl) phthalate	<0.073		0.20	0.073	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Butyl benzyl phthalate	<0.076		0.20	0.076	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Carbazole	<0.099		0.20	0.099	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
4-Chloroaniline	<0.19		0.80	0.19	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
4-Chloro-3-methylphenol	<0.14		0.40	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2-Chloronaphthalene	<0.044		0.20	0.044	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2-Chlorophenol	<0.068		0.20	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Chrysene	<0.011		0.040	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Dibenz(a,h)anthracene	<0.0077		0.040	0.0077	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Dibenzofuran	<0.047		0.20	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
1,2-Dichlorobenzene	<0.048		0.20	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
1,3-Dichlorobenzene	<0.045		0.20	0.045	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
1,4-Dichlorobenzene	<0.051		0.20	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
3,3'-Dichlorobenzidine	<0.056		0.20	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2,4-Dichlorophenol	<0.095		0.40	0.095	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Diethyl phthalate	<0.067		0.20	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2,4-Dimethylphenol	<0.15		0.40	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Dimethyl phthalate	<0.052		0.20	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Di-n-butyl phthalate	<0.061		0.20	0.061	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
4,6-Dinitro-2-methylphenol	<0.32		0.80	0.32	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2,4-Dinitrophenol	<0.70		0.80	0.70	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2,4-Dinitrotoluene	<0.063		0.20	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2,6-Dinitrotoluene	<0.078		0.20	0.078	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Di-n-octyl phthalate	<0.065		0.20	0.065	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Fluoranthene	<0.0074		0.040	0.0074	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Fluorene	<0.0056		0.040	0.0056	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Hexachlorobenzene	<0.0092		0.080	0.0092	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Hexachlorobutadiene	<0.063		0.20	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Hexachlorocyclopentadiene	<0.23		0.80	0.23	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Hexachloroethane	<0.061		0.20	0.061	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Indeno[1,2,3-cd]pyrene	<0.010		0.040	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Isophorone	<0.045		0.20	0.045	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2-Methylnaphthalene	<0.0073		0.080	0.0073	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2-Methylphenol	<0.064		0.20	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
3 & 4 Methylphenol	<0.066		0.20	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Naphthalene	<0.0061		0.040	0.0061	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2-Nitroaniline	<0.054		0.20	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
3-Nitroaniline	<0.12		0.40	0.12	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
4-Nitroaniline	<0.17		0.40	0.17	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Nitrobenzene	<0.0099		0.040	0.0099	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2-Nitrophenol	<0.094		0.40	0.094	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (5-9)

Lab Sample ID: 500-169018-3

Date Collected: 08/26/19 09:30

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 83.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.38		0.80	0.38	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
N-Nitrosodi-n-propylamine	<0.049		0.080	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
N-Nitrosodiphenylamine	<0.047		0.20	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2,2'-oxybis[1-chloropropane]	<0.046		0.20	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Pentachlorophenol	<0.64		0.80	0.64	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Phenanthrene	<0.0055		0.040	0.0055	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Phenol	<0.088		0.20	0.088	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
Pyrene	<0.0079		0.040	0.0079	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
1,2,4-Trichlorobenzene	<0.043		0.20	0.043	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2,4,5-Trichlorophenol	<0.091		0.40	0.091	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1
2,4,6-Trichlorophenol	<0.14		0.40	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		43 - 145	09/04/19 19:14	09/05/19 16:39	1
2-Fluorophenol	61		31 - 166	09/04/19 19:14	09/05/19 16:39	1
Nitrobenzene-d5	64		37 - 147	09/04/19 19:14	09/05/19 16:39	1
Phenol-d5	62		30 - 153	09/04/19 19:14	09/05/19 16:39	1
Terphenyl-d14	108		42 - 157	09/04/19 19:14	09/05/19 16:39	1
2,4,6-Tribromophenol	75		31 - 143	09/04/19 19:14	09/05/19 16:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.43	J	1.2	0.23	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Arsenic	6.2		0.59	0.20	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Barium	71		0.59	0.067	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Beryllium	0.72		0.23	0.055	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Cadmium	0.26	B	0.12	0.021	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Chromium	21		0.59	0.29	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Cobalt	13		0.29	0.077	mg/Kg	☼	09/03/19 08:35	09/04/19 18:04	1
Copper	21		0.59	0.16	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Iron	23000		12	6.1	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Lead	13		0.29	0.14	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Magnesium	20000		5.9	2.9	mg/Kg	☼	09/03/19 08:35	09/04/19 18:04	1
Calcium	49000	B	59	9.9	mg/Kg	☼	09/03/19 08:35	09/04/19 18:08	5
Manganese	340		0.59	0.085	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Nickel	36		0.59	0.17	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Selenium	<0.34		0.59	0.34	mg/Kg	☼	09/03/19 08:35	09/04/19 18:04	1
Silver	4.4		0.29	0.076	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Thallium	1.1		0.59	0.29	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Vanadium	24		0.29	0.069	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Zinc	65		1.2	0.51	mg/Kg	☼	09/03/19 08:35	09/04/19 18:04	1
Potassium	3500		29	10	mg/Kg	☼	09/03/19 08:35	09/04/19 04:58	1
Sodium	720		59	8.7	mg/Kg	☼	09/03/19 08:35	09/04/19 18:04	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 10:27	1
Barium	0.39	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 10:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 10:27	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 10:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (5-9)

Lab Sample ID: 500-169018-3

Date Collected: 08/26/19 09:30

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1100		25	2.5	mg/L		09/05/19 15:12	09/06/19 13:49	5
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:27	1
Cobalt	0.023	J	0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:27	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:27	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 10:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 11:56	1
Magnesium	200		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:27	1
Manganese	2.8		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:27	1
Nickel	0.019	J	0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:27	1
Potassium	1.1	J	2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:27	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 10:27	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:27	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:27	1
Zinc	<0.020		0.50	0.020	mg/L		09/05/19 15:12	09/06/19 10:27	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.063		0.050	0.010	mg/L		09/05/19 15:08	09/06/19 12:18	1
Barium	0.61		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 12:18	1
Beryllium	0.0069		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 12:18	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 12:18	1
Calcium	71		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 12:18	1
Chromium	0.16		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:18	1
Cobalt	0.051		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:18	1
Copper	0.18		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:18	1
Iron	160		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 12:18	1
Lead	0.078		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 12:18	1
Magnesium	46		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:18	1
Manganese	0.78		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:18	1
Nickel	0.19		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:18	1
Potassium	43		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:18	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 12:18	1
Silver	0.015	J	0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:18	1
Vanadium	0.21		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:18	1
Zinc	0.92	B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 12:18	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 11:56	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 11:56	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 12:25	1
Thallium	0.0029		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 12:25	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00033		0.00033	0.00033	mg/L		09/05/19 14:45	09/06/19 09:53	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B01 (5-9)

Lab Sample ID: 500-169018-3

Date Collected: 08/26/19 09:30

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 83.0

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 08:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0063	mg/Kg	☼	08/30/19 15:10	09/03/19 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.24		0.48	0.24	mg/Kg	☼	09/05/19 09:15	09/05/19 14:41	1
pH	8.7		0.2	0.2	SU			08/31/19 11:25	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (0-5)

Lab Sample ID: 500-169018-4

Date Collected: 08/26/19 09:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0082		0.019	0.0082	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Benzene	<0.00048		0.0019	0.00048	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Bromodichloromethane	<0.00038		0.0019	0.00038	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Bromoform	<0.00055		0.0019	0.00055	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Bromomethane	<0.0018		0.0047	0.0018	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
2-Butanone (MEK)	<0.0021		0.0047	0.0021	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Carbon disulfide	<0.00098		0.0047	0.00098	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Carbon tetrachloride	<0.00054		0.0019	0.00054	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Chlorobenzene	<0.00069		0.0019	0.00069	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Chloroethane	<0.0014 *		0.0047	0.0014	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Chloroform	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Chloromethane	<0.0019		0.0047	0.0019	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
cis-1,2-Dichloroethene	<0.00052		0.0019	0.00052	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
cis-1,3-Dichloropropene	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Dibromochloromethane	<0.00061		0.0019	0.00061	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
1,1-Dichloroethane	<0.00064		0.0019	0.00064	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
1,2-Dichloroethane	<0.0015		0.0047	0.0015	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
1,1-Dichloroethene	<0.00065		0.0019	0.00065	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
1,2-Dichloropropane	<0.00049		0.0019	0.00049	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
1,3-Dichloropropane, Total	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Ethylbenzene	<0.00090		0.0019	0.00090	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
2-Hexanone	<0.0015		0.0047	0.0015	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Methylene Chloride	<0.0018		0.0047	0.0018	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
4-Methyl-2-pentanone (MIBK)	<0.0014		0.0047	0.0014	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Methyl tert-butyl ether	<0.00055		0.0019	0.00055	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Styrene	<0.00057		0.0019	0.00057	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
1,1,2,2-Tetrachloroethane	<0.00060		0.0019	0.00060	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Tetrachloroethene	<0.00064		0.0019	0.00064	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Toluene	<0.00047		0.0019	0.00047	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
trans-1,2-Dichloroethene	<0.00083		0.0019	0.00083	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
trans-1,3-Dichloropropene	<0.00066		0.0019	0.00066	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
1,1,1-Trichloroethane	<0.00063		0.0019	0.00063	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
1,1,2-Trichloroethane	<0.00081		0.0019	0.00081	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Trichloroethene	<0.00063		0.0019	0.00063	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Vinyl acetate	<0.0016		0.0047	0.0016	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Vinyl chloride	<0.00083		0.0019	0.00083	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1
Xylenes, Total	<0.00060		0.0038	0.00060	mg/Kg	☼	08/26/19 16:30	09/04/19 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		75 - 131	08/26/19 16:30	09/04/19 13:44	1
Dibromofluoromethane	99		75 - 126	08/26/19 16:30	09/04/19 13:44	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134	08/26/19 16:30	09/04/19 13:44	1
Toluene-d8 (Surr)	96		75 - 124	08/26/19 16:30	09/04/19 13:44	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0075		0.042	0.0075	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Acenaphthylene	<0.0055		0.042	0.0055	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Anthracene	<0.0070		0.042	0.0070	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Benzo[a]anthracene	<0.0056		0.042	0.0056	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (0-5)

Lab Sample ID: 500-169018-4

Date Collected: 08/26/19 09:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.024	J	0.042	0.0081	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Benzo[b]fluoranthene	<0.0090		0.042	0.0090	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Benzo[g,h,i]perylene	<0.013		0.042	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Benzo[k]fluoranthene	<0.012		0.042	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Bis(2-chloroethoxy)methane	<0.043		0.21	0.043	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Bis(2-chloroethyl)ether	<0.063		0.21	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Bis(2-ethylhexyl) phthalate	<0.076		0.21	0.076	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
4-Bromophenyl phenyl ether	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Butyl benzyl phthalate	<0.080		0.21	0.080	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Carbazole	<0.10		0.21	0.10	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
4-Chloroaniline	<0.20		0.84	0.20	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
4-Chloro-3-methylphenol	<0.14		0.42	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2-Chloronaphthalene	<0.046		0.21	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2-Chlorophenol	<0.071		0.21	0.071	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
4-Chlorophenyl phenyl ether	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Chrysene	0.012	J	0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Dibenz(a,h)anthracene	<0.0081		0.042	0.0081	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Dibenzofuran	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
1,2-Dichlorobenzene	<0.050		0.21	0.050	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
1,3-Dichlorobenzene	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
1,4-Dichlorobenzene	<0.054		0.21	0.054	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
3,3'-Dichlorobenzidine	<0.059		0.21	0.059	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2,4-Dichlorophenol	<0.099		0.42	0.099	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Diethyl phthalate	<0.071		0.21	0.071	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2,4-Dimethylphenol	<0.16		0.42	0.16	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Dimethyl phthalate	<0.055		0.21	0.055	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Di-n-butyl phthalate	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
4,6-Dinitro-2-methylphenol	<0.34		0.84	0.34	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2,4-Dinitrophenol	<0.74		0.84	0.74	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2,4-Dinitrotoluene	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2,6-Dinitrotoluene	<0.082		0.21	0.082	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Di-n-octyl phthalate	<0.068		0.21	0.068	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Fluoranthene	<0.0078		0.042	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Fluorene	<0.0059		0.042	0.0059	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Hexachlorobenzene	<0.0097		0.084	0.0097	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Hexachlorobutadiene	<0.066		0.21	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Hexachlorocyclopentadiene	<0.24		0.84	0.24	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Hexachloroethane	<0.064		0.21	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Indeno[1,2,3-cd]pyrene	<0.011		0.042	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Isophorone	<0.047		0.21	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2-Methylnaphthalene	<0.0077		0.084	0.0077	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2-Methylphenol	<0.067		0.21	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
3 & 4 Methylphenol	<0.070		0.21	0.070	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Naphthalene	<0.0064		0.042	0.0064	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2-Nitroaniline	<0.056		0.21	0.056	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
3-Nitroaniline	<0.13		0.42	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
4-Nitroaniline	<0.17		0.42	0.17	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Nitrobenzene	<0.010		0.042	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2-Nitrophenol	<0.099		0.42	0.099	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (0-5)

Lab Sample ID: 500-169018-4

Date Collected: 08/26/19 09:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.40		0.84	0.40	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
N-Nitrosodi-n-propylamine	<0.051		0.084	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
N-Nitrosodiphenylamine	<0.049		0.21	0.049	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2,2'-oxybis[1-chloropropane]	<0.048		0.21	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Pentachlorophenol	<0.67		0.84	0.67	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Phenanthrene	<0.0058		0.042	0.0058	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Phenol	<0.093		0.21	0.093	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
Pyrene	<0.0083		0.042	0.0083	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
1,2,4-Trichlorobenzene	<0.045		0.21	0.045	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2,4,5-Trichlorophenol	<0.095		0.42	0.095	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1
2,4,6-Trichlorophenol	<0.14		0.42	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		43 - 145	09/04/19 19:14	09/05/19 20:13	1
2-Fluorophenol	69		31 - 166	09/04/19 19:14	09/05/19 20:13	1
Nitrobenzene-d5	73		37 - 147	09/04/19 19:14	09/05/19 20:13	1
Phenol-d5	65		30 - 153	09/04/19 19:14	09/05/19 20:13	1
Terphenyl-d14	111		42 - 157	09/04/19 19:14	09/05/19 20:13	1
2,4,6-Tribromophenol	57		31 - 143	09/04/19 19:14	09/05/19 20:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.23		1.2	0.23	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Arsenic	7.6		0.60	0.20	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Barium	93		0.60	0.068	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Beryllium	0.72		0.24	0.056	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Cadmium	0.28	B	0.12	0.022	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Chromium	19		0.60	0.30	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Cobalt	12		0.30	0.078	mg/Kg	☼	09/03/19 08:35	09/04/19 18:12	1
Copper	21		0.60	0.17	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Iron	23000		12	6.2	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Lead	24		0.30	0.14	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Magnesium	6300		6.0	3.0	mg/Kg	☼	09/03/19 08:35	09/04/19 18:12	1
Calcium	13000	B	12	2.0	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Manganese	620		0.60	0.087	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Nickel	30		0.60	0.17	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Selenium	<0.35		0.60	0.35	mg/Kg	☼	09/03/19 08:35	09/04/19 18:12	1
Silver	4.4		0.30	0.077	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Thallium	1.3		0.60	0.30	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Vanadium	26		0.30	0.071	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Zinc	63		1.2	0.53	mg/Kg	☼	09/03/19 08:35	09/04/19 18:12	1
Potassium	2100		30	11	mg/Kg	☼	09/03/19 08:35	09/04/19 05:14	1
Sodium	1700		60	8.9	mg/Kg	☼	09/03/19 08:35	09/04/19 18:12	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 10:45	1
Barium	0.41	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 10:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 10:45	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 10:45	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (0-5)

Lab Sample ID: 500-169018-4

Date Collected: 08/26/19 09:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	580		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 10:45	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:45	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:45	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:45	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 10:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 10:45	1
Magnesium	23		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:45	1
Manganese	0.046		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:45	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:45	1
Potassium	1.2 J		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:45	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 10:45	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:45	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:45	1
Zinc	<0.020		0.50	0.020	mg/L		09/05/19 15:12	09/06/19 10:45	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.079		0.050	0.010	mg/L		09/05/19 15:08	09/06/19 12:22	1
Barium	0.88		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 12:22	1
Beryllium	0.0089		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 12:22	1
Cadmium	0.0025 J		0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 12:22	1
Calcium	52		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 12:22	1
Chromium	0.22		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:22	1
Cobalt	0.052		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:22	1
Copper	0.20		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:22	1
Iron	220		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 12:22	1
Lead	0.11		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 12:22	1
Magnesium	46		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:22	1
Manganese	1.0		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:22	1
Nickel	0.22		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:22	1
Potassium	42		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:22	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:08	09/06/19 12:22	1
Silver	0.015 J		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:22	1
Vanadium	0.32		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:22	1
Zinc	0.73 B		0.50	0.020	mg/L		09/05/19 15:08	09/06/19 12:22	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 11:45	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 11:45	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 12:28	1
Thallium	0.0040		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 12:28	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00050		0.00050	0.00050	mg/L		09/05/19 16:37	09/06/19 09:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (0-5)

Lab Sample ID: 500-169018-4

Date Collected: 08/26/19 09:00

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 79.3

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 08:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.019	0.0063	mg/Kg	☼	08/30/19 15:10	09/03/19 10:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.56	0.28	mg/Kg	☼	09/05/19 09:15	09/05/19 14:41	1
pH	8.9		0.2	0.2	SU			08/31/19 11:26	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (5-9)

Lab Sample ID: 500-169018-5

Date Collected: 08/26/19 09:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 84.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0070		0.016	0.0070	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Benzene	<0.00041		0.0016	0.00041	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Bromodichloromethane	<0.00033		0.0016	0.00033	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Bromoform	<0.00047		0.0016	0.00047	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Bromomethane	<0.0015		0.0040	0.0015	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
2-Butanone (MEK)	<0.0018		0.0040	0.0018	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Carbon disulfide	<0.00083		0.0040	0.00083	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Carbon tetrachloride	<0.00046		0.0016	0.00046	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Chlorobenzene	<0.00059		0.0016	0.00059	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Chloroethane	<0.0012 *		0.0040	0.0012	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Chloroform	<0.00055		0.0016	0.00055	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Chloromethane	<0.0016		0.0040	0.0016	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
cis-1,2-Dichloroethene	<0.00045		0.0016	0.00045	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
cis-1,3-Dichloropropene	<0.00048		0.0016	0.00048	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Dibromochloromethane	<0.00052		0.0016	0.00052	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
1,1-Dichloroethane	<0.00055		0.0016	0.00055	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
1,2-Dichloroethane	<0.0012		0.0040	0.0012	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
1,1-Dichloroethene	<0.00055		0.0016	0.00055	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
1,2-Dichloropropane	<0.00041		0.0016	0.00041	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
1,3-Dichloropropane, Total	<0.00056		0.0016	0.00056	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Ethylbenzene	<0.00076		0.0016	0.00076	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
2-Hexanone	<0.0012		0.0040	0.0012	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Methylene Chloride	<0.0016		0.0040	0.0016	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
4-Methyl-2-pentanone (MIBK)	<0.0012		0.0040	0.0012	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Methyl tert-butyl ether	<0.00047		0.0016	0.00047	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Styrene	<0.00048		0.0016	0.00048	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
1,1,2,2-Tetrachloroethane	<0.00051		0.0016	0.00051	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Tetrachloroethene	<0.00054		0.0016	0.00054	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Toluene	<0.00040		0.0016	0.00040	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
trans-1,2-Dichloroethene	<0.00071		0.0016	0.00071	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
trans-1,3-Dichloropropene	<0.00056		0.0016	0.00056	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
1,1,1-Trichloroethane	<0.00054		0.0016	0.00054	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
1,1,2-Trichloroethane	<0.00069		0.0016	0.00069	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Trichloroethene	<0.00054		0.0016	0.00054	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Vinyl acetate	<0.0014		0.0040	0.0014	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Vinyl chloride	<0.00071		0.0016	0.00071	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1
Xylenes, Total	<0.00051		0.0032	0.00051	mg/Kg	☼	08/26/19 16:30	09/04/19 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/26/19 16:30	09/04/19 14:10	1
Dibromofluoromethane	98		75 - 126	08/26/19 16:30	09/04/19 14:10	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	08/26/19 16:30	09/04/19 14:10	1
Toluene-d8 (Surr)	97		75 - 124	08/26/19 16:30	09/04/19 14:10	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0071		0.039	0.0071	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Acenaphthylene	<0.0052		0.039	0.0052	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Anthracene	<0.0066		0.039	0.0066	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Benzo[a]anthracene	<0.0053		0.039	0.0053	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (5-9)

Lab Sample ID: 500-169018-5

Date Collected: 08/26/19 09:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0076		0.039	0.0076	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Benzo[b]fluoranthene	<0.0085		0.039	0.0085	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Benzo[g,h,i]perylene	<0.013		0.039	0.013	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Benzo[k]fluoranthene	<0.012		0.039	0.012	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Bis(2-chloroethoxy)methane	<0.040		0.20	0.040	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Bis(2-chloroethyl)ether	<0.059		0.20	0.059	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Bis(2-ethylhexyl) phthalate	<0.072		0.20	0.072	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Butyl benzyl phthalate	<0.075		0.20	0.075	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Carbazole	<0.098		0.20	0.098	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
4-Chloroaniline	<0.19		0.80	0.19	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
4-Chloro-3-methylphenol	<0.13		0.39	0.13	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2-Chloronaphthalene	<0.044		0.20	0.044	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2-Chlorophenol	<0.067		0.20	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Chrysene	0.021	J	0.039	0.011	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Dibenz(a,h)anthracene	<0.0076		0.039	0.0076	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Dibenzofuran	<0.046		0.20	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
1,2-Dichlorobenzene	<0.047		0.20	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
1,3-Dichlorobenzene	<0.044		0.20	0.044	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
1,4-Dichlorobenzene	<0.051		0.20	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
3,3'-Dichlorobenzidine	<0.055		0.20	0.055	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2,4-Dichlorophenol	<0.094		0.39	0.094	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Diethyl phthalate	<0.067		0.20	0.067	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2,4-Dimethylphenol	<0.15		0.39	0.15	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Dimethyl phthalate	<0.051		0.20	0.051	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Di-n-butyl phthalate	<0.060		0.20	0.060	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
4,6-Dinitro-2-methylphenol	<0.32		0.80	0.32	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2,4-Dinitrophenol	<0.69		0.80	0.69	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2,4-Dinitrotoluene	<0.063		0.20	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2,6-Dinitrotoluene	<0.077		0.20	0.077	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Di-n-octyl phthalate	<0.064		0.20	0.064	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Fluoranthene	<0.0073		0.039	0.0073	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Fluorene	<0.0055		0.039	0.0055	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Hexachlorobenzene	<0.0091		0.080	0.0091	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Hexachlorobutadiene	<0.062		0.20	0.062	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Hexachlorocyclopentadiene	<0.23		0.80	0.23	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Hexachloroethane	<0.060		0.20	0.060	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Indeno[1,2,3-cd]pyrene	<0.010		0.039	0.010	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Isophorone	<0.044		0.20	0.044	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2-Methylnaphthalene	<0.0073		0.080	0.0073	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2-Methylphenol	<0.063		0.20	0.063	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
3 & 4 Methylphenol	<0.066		0.20	0.066	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Naphthalene	<0.0061		0.039	0.0061	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2-Nitroaniline	<0.053		0.20	0.053	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
3-Nitroaniline	<0.12		0.39	0.12	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
4-Nitroaniline	<0.16		0.39	0.16	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Nitrobenzene	<0.0098		0.039	0.0098	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2-Nitrophenol	<0.093		0.39	0.093	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (5-9)

Lab Sample ID: 500-169018-5

Date Collected: 08/26/19 09:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.37		0.80	0.37	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
N-Nitrosodi-n-propylamine	<0.048		0.080	0.048	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
N-Nitrosodiphenylamine	<0.047		0.20	0.047	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2,2'-oxybis[1-chloropropane]	<0.046		0.20	0.046	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Pentachlorophenol	<0.63		0.80	0.63	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Phenanthrene	0.0095	J	0.039	0.0055	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Phenol	<0.088		0.20	0.088	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
Pyrene	0.0081	J	0.039	0.0078	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
1,2,4-Trichlorobenzene	<0.042		0.20	0.042	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2,4,5-Trichlorophenol	<0.090		0.39	0.090	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1
2,4,6-Trichlorophenol	<0.14		0.39	0.14	mg/Kg	☼	09/04/19 19:14	09/05/19 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	91		43 - 145	09/04/19 19:14	09/05/19 17:03	1
2-Fluorophenol	76		31 - 166	09/04/19 19:14	09/05/19 17:03	1
Nitrobenzene-d5	87		37 - 147	09/04/19 19:14	09/05/19 17:03	1
Phenol-d5	69		30 - 153	09/04/19 19:14	09/05/19 17:03	1
Terphenyl-d14	111		42 - 157	09/04/19 19:14	09/05/19 17:03	1
2,4,6-Tribromophenol	72		31 - 143	09/04/19 19:14	09/05/19 17:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.44	J	1.2	0.23	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Arsenic	6.4		0.59	0.20	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Barium	62		0.59	0.067	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Beryllium	0.72		0.24	0.055	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Cadmium	0.28	B	0.12	0.021	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Chromium	20		0.59	0.29	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Cobalt	12		0.30	0.077	mg/Kg	☼	09/03/19 08:35	09/04/19 18:16	1
Copper	19		0.59	0.17	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Iron	24000		12	6.1	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Lead	12		0.30	0.14	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Magnesium	22000		5.9	2.9	mg/Kg	☼	09/03/19 08:35	09/04/19 18:16	1
Calcium	67000	B	59	10	mg/Kg	☼	09/03/19 08:35	09/04/19 18:20	5
Manganese	380		0.59	0.086	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Nickel	34		0.59	0.17	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Selenium	<0.35		0.59	0.35	mg/Kg	☼	09/03/19 08:35	09/04/19 18:16	1
Silver	4.3		0.30	0.076	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Thallium	1.2		0.59	0.29	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Vanadium	23		0.30	0.070	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Zinc	56		1.2	0.52	mg/Kg	☼	09/03/19 08:35	09/04/19 18:16	1
Potassium	3600		30	10	mg/Kg	☼	09/03/19 08:35	09/04/19 05:18	1
Sodium	830		59	8.7	mg/Kg	☼	09/03/19 08:35	09/04/19 18:16	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/05/19 15:12	09/06/19 10:49	1
Barium	0.42	J	0.50	0.050	mg/L		09/05/19 15:12	09/06/19 10:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/05/19 15:12	09/06/19 10:49	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/05/19 15:12	09/06/19 10:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (5-9)

Lab Sample ID: 500-169018-5

Date Collected: 08/26/19 09:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	580		5.0	0.50	mg/L		09/05/19 15:12	09/06/19 10:49	1
Chromium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:49	1
Cobalt	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:49	1
Copper	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:49	1
Iron	<0.20		0.40	0.20	mg/L		09/05/19 15:12	09/06/19 10:49	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/05/19 15:12	09/06/19 10:49	1
Magnesium	22		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:49	1
Manganese	1.3		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:49	1
Nickel	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:49	1
Potassium	3.6		2.5	0.50	mg/L		09/05/19 15:12	09/06/19 10:49	1
Selenium	<0.020		0.050	0.020	mg/L		09/05/19 15:12	09/06/19 10:49	1
Silver	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:49	1
Vanadium	<0.010		0.025	0.010	mg/L		09/05/19 15:12	09/06/19 10:49	1
Zinc	0.56		0.50	0.020	mg/L		09/05/19 15:12	09/06/19 10:49	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.044	J	0.050	0.010	mg/L		09/05/19 15:08	09/06/19 12:26	1
Barium	0.52		0.50	0.050	mg/L		09/05/19 15:08	09/06/19 12:26	1
Beryllium	0.0057		0.0040	0.0040	mg/L		09/05/19 15:08	09/06/19 12:26	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		09/05/19 15:08	09/06/19 12:26	1
Calcium	77		5.0	0.50	mg/L		09/05/19 15:08	09/06/19 12:26	1
Chromium	0.14		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:26	1
Cobalt	0.045		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:26	1
Copper	0.14		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:26	1
Iron	140		0.40	0.20	mg/L		09/05/19 15:08	09/06/19 12:26	1
Lead	0.069		0.0075	0.0075	mg/L		09/05/19 15:08	09/06/19 12:26	1
Magnesium	44		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:26	1
Manganese	0.86		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:26	1
Nickel	0.16		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:26	1
Potassium	43		2.5	0.50	mg/L		09/05/19 15:08	09/06/19 12:26	1
Selenium	<0.020	F1	0.050	0.020	mg/L		09/05/19 15:08	09/06/19 12:26	1
Silver	0.011	J	0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:26	1
Vanadium	0.19		0.025	0.010	mg/L		09/05/19 15:08	09/06/19 12:26	1
Zinc	0.44	J B	0.50	0.020	mg/L		09/05/19 15:08	09/06/19 12:26	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/05/19 15:12	09/06/19 11:49	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:12	09/06/19 11:49	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060	F1	0.0060	0.0060	mg/L		09/05/19 15:08	09/06/19 12:32	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/05/19 15:08	09/06/19 12:32	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020		0.00020	0.00020	mg/L		09/05/19 16:37	09/06/19 09:56	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Client Sample ID: 3132V-10-B02 (5-9)

Lab Sample ID: 500-169018-5

Date Collected: 08/26/19 09:05

Matrix: Solid

Date Received: 08/26/19 15:50

Percent Solids: 84.1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/05/19 16:50	09/06/19 08:04	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.017	0.0058	mg/Kg	☼	08/30/19 15:10	09/03/19 10:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.56	0.28	mg/Kg	☼	09/05/19 09:15	09/05/19 14:42	1
pH	8.3		0.2	0.2	SU			08/31/19 11:28	1

Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169018-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-169018-1

Login Number: 169018

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	True	
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	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	13.3,14.0,21.3
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 531 - Manhattan-Monee Road Office Phone Number, if available: _____

Physical Site Location (address, including number and street):

11349 W. Manhattan-Monee Road (ISGS Site No. 3132V-11)

City: Monee State: IL Zip Code: 60442

County: Will Township: Green Garden

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.42535 Longitude: - 87.88803

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): TBD Approximate End Date (mm/dd/yyyy): TBD

Estimated Volume of debris (cu. Yd.): 73

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

Email, if available: irma.romiti-johnson@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATION OF 3132V-11-B02 WAS SAMPLED AT SITE 3132V-11. SEE FIGURE 3-4 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

TEST AMERICA REPORT - JOB ID: 500-169086-1

ALSO, SEE FIGURES 4-4 AND 4-9 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.


IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Michael Fischer (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Environmental Design International inc.
Street Address: 33 West Monroe Street, Suite 1825
City: Chicago State: IL Zip Code: 60603
Phone: 312-345-1400

Michael Fischer
Printed Name: _____


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

10/06/2019
Date:



Summary Table of ISGS Site No. 3132V-11
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
IDOT Contract No: PTB 174-009; Work Order 062A
FAP 531 - Manhattan-Monee Road
Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-11-B02 (0-5)	3132V-11-B02 (0-5) Dup	3132V-11-B02 (5-9)	
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						CCDD	Sample Depth (feet)	0 - 5	0 - 5
		Ingestion	Inhalation	Ingestion	Inhalation	Class I		mg/kg	Chicago	MSAs	pH 6.25-9.0	Lab Sample ID	500-169086-3	500-169086-4	500-169086-5
												ISGS Site No.	3132V-11	3132V-11	3132V-11
											Date Collected	8/27/2019	8/27/2019	8/27/2019	
Volatile Organic Analytical Parameters															
Acetone	mg/kg	70,000	100000	---	100000	25	*	---	---	25		ND	ND	ND	
Semivolatile Organic Analytical Parameters															
No Detections															
Inorganic Analytical Parameters															
Antimony	mg/kg	31	---	82	---	---	*	---	4	5		ND	ND	ND	
Arsenic	mg/kg	13	750	61	25,000	---	*	---	13	11.3		9.3	8.9	12	
Barium	mg/kg	5,500	690,000	14,000	870,000	---	*	---	110	1,500		88	92	36	
Beryllium	mg/kg	160	1,300	410	44,000	---	*	---	0.59	22		0.71	0.76	0.61	
Cadmium	mg/kg	78	1,800	200	59,000	---	*	---	0.6	5.2		0.13	0.14	0.29	
Calcium	mg/kg	---	---	---	---	---	*	---	9,300	---		2100	2000	26000	
Chromium	mg/kg	230	270	4,100	690	---	*	---	16.2	21		20	22	14	
Cobalt	mg/kg	4,700	---	12,000	---	---	*	---	8.9	20		9.0	9.5	17	
Copper	mg/kg	2,900	---	8,200	---	---	*	---	19.6	2,900		19	24	42	
Iron	mg/kg	---	---	---	---	---	---	---	15,900	15,000		24000	26000	22000	
Lead	mg/kg	400	---	700	---	---	*	---	36	107		18	14	20	
Magnesium	mg/kg	325,000	---	730,000	---	---	*	---	4,820	325,000		3400	4000	18000	
Manganese	mg/kg	1,600	69,000	4,100	8,700	---	*	---	636	630		280	240	300	
Mercury	mg/kg	23	10	61	0.1	---	*	---	0.06	0.89		0.028	0.025	0.031	
Nickel	mg/kg	1,600	13,000	4,100	440,000	---	*	---	18	100		22	27	42	
Potassium	mg/kg	---	---	---	---	---	---	---	1,268	---		1700	2100	2400	
Selenium	mg/kg	390	---	1,000	---	---	*	---	0.48	1.3		0.42	ND	0.44	
Silver	mg/kg	390	---	1,000	---	---	*	---	0.55	4.4		3.7	3.6	3.0	
Sodium	mg/kg	---	---	---	---	---	*	---	130	---		1900	1900	200	
Thallium	mg/kg	6	---	160	---	---	*	---	0.32	2.6		1.1	1.1	1.3	
Vanadium	mg/kg	550	---	1,400	---	---	*	---	25.2	550		32	34	18	
Zinc	mg/kg	23,000	---	61,000	---	---	*	---	95	5,100		59	67	93	
pH											6.25 - 9.0	8.3	8.5	8.2	

Summary Table of ISGS Site No. 3132V-11
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
IDOT Contract No: PTB 174-009; Work Order 062A
FAP 531 - Manhattan-Monee Road
Green Garden and Manhattan, Will County, Illinois

Analyte	Units	IEPA Tier 1 Soil Remediation Objectives					ADL	Background		Maximum Allowed Concentration	Field Sample ID	3132V-11-B02	3132V-11-B02	3132V-11-B02	
		Residential Properties		Construction Workers		Soil Component of the Groundwater Ingestion Route						(0-5)	(0-5) Dup	(5-9)	
		Ingestion	Inhalation	Ingestion	Inhalation	Class I						Sample Depth (feet)	0 - 5	0 - 5	5 - 9
												CCDD	Lab Sample ID	500-169086-3	500-169086-4
					mg/kg	ISGS Site No.	3132V-11	3132V-11	3132V-11						
					pH 6.25-9.0	Date Collected	8/27/2019	8/27/2019	8/27/2019						
Inorganic Analytical Parameters (TCLP)															
Antimony, TCLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND		
Arsenic, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND		
Barium, TCLP	mg/L	---	---	---	---	2	---	---	---	---	0.24	0.33	0.38		
Beryllium, TCLP	mg/L	---	---	---	---	0.004	---	---	---	---	ND	ND	ND		
Cadmium, TCLP	mg/L	---	---	---	---	0.005	---	---	---	---	ND	ND	ND		
Calcium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	54	71	300		
Chromium, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	ND	ND		
Cobalt, TCLP	mg/L	---	---	---	---	1	---	---	---	---	ND	ND	ND		
Copper, TCLP	mg/L	---	---	---	---	0.65	---	---	---	---	ND	ND	ND		
Iron, TCLP	mg/L	---	---	---	---	5	---	---	---	---	ND	ND	0.26		
Lead, TCLP	mg/L	---	---	---	---	0.0075	---	---	---	---	ND	ND	ND		
Magnesium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	18	26	170		
Manganese, TCLP	mg/L	---	---	---	---	0.15	---	---	---	---	0.60	0.94	1.0		
Mercury, TCLP	mg/L	---	---	---	---	0.002	---	---	---	---	ND	ND	ND		
Nickel, TCLP	mg/L	---	---	---	---	0.1	---	---	---	---	ND	0.010	ND		
Potassium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	1.1	1.6	6.8		
Selenium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND		
Silver, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND		
Sodium, TCLP	mg/L	---	---	---	---	0.05	---	---	---	---	--	--	--		
Thallium, TCLP	mg/L	---	---	---	---	---	---	---	---	---	ND	ND	ND		
Vanadium, TCLP	mg/L	---	---	---	---	0.049	---	---	---	---	ND	ND	ND		
Zinc, TCLP	mg/L	---	---	---	---	5	---	---	---	---	0.093	0.55	ND		
Inorganic Analytical Parameters (SPLP)															
Antimony, SPLP	mg/L	---	---	---	---	0.006	---	---	---	---	ND	ND	ND		
Arsenic, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.091	0.066	0.083		
Barium, SPLP	mg/L	---	---	---	---	2	---	---	---	---	1.1	0.60	0.58		
Beryllium, SPLP	mg/L	---	---	---	---	0.004	---	---	---	---	0.010	0.0063	0.0075		
Cadmium, SPLP	mg/L	---	---	---	---	0.005	---	---	---	---	0.0021	ND	ND		
Calcium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	24	15	12		
Chromium, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.26	0.19	0.17		
Cobalt, SPLP	mg/L	---	---	---	---	1	---	---	---	---	0.048	0.032	0.054		
Copper, SPLP	mg/L	---	---	---	---	0.65	---	---	---	---	0.27	0.19	0.22		
Iron, SPLP	mg/L	---	---	---	---	5	---	---	---	---	350	400	160		
Lead, SPLP	mg/L	---	---	---	---	0.0075	---	---	---	---	0.11	0.069	0.11		
Magnesium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	46	31	31		
Manganese, SPLP	mg/L	---	---	---	---	0.15	---	---	---	---	0.97	0.64	0.59		
Mercury, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.00041	0.00035	0.00024		
Nickel, SPLP	mg/L	---	---	---	---	0.1	---	---	---	---	0.24	0.16	0.20		
Potassium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	120	190	49		
Selenium, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	ND	ND	ND		
Silver, SPLP	mg/L	---	---	---	---	0.05	---	---	---	---	0.019	0.012	0.013		
Sodium, SPLP	mg/L	---	---	---	---	---	---	---	---	---	--	--	--		
Thallium, SPLP	mg/L	---	---	---	---	0.002	---	---	---	---	0.0051	0.0038	0.013		
Vanadium, SPLP	mg/L	---	---	---	---	0.049	---	---	---	---	0.41	0.29	0.28		
Zinc, SPLP	mg/L	---	---	---	---	5	---	---	---	---	0.75	0.83	0.56		

Table Notes

Remediation Objectives from 35 Illinois Administrative Code Chapter 742: *Tiered Approach to Corrective Action Objectives* (TACO) and the most stringent Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil (MACs) outline in Title 35 Administrative Code of the Illinois Administrative Code Part 1100 (35 IAC 1100).

Remediation Objectives for Non-TACO compounds from Illinois Environmental Protection Agency's (IEPA's) web site (<http://www.epa.state.il.us/land/taco/chemicals-not-in-taco-tier-1-tables.html>).

mg/kg = milligrams per kilogram, generally equivalent to ppm

mg/L = milligrams per liter, generally equivalent to parts per million (ppm)

TCLP = Toxicity Characteristic Leaching Procedure

SPLP = Synthetic Precipitation Leaching Procedure

-- = Sample not analyzed for this constituent

--- = No IEPA Remediation Objective (RO) for this exposure route.


---- = Not measured


ND = Constituent not detected above the reporting limit.


Italicized Tier 1 ROs were changed to laboratory Acceptable Detection Limits (ADL) per 35 IAC 742.510(a)(8).


* In pH-specific table, hexavalent chromium used as RO for total chromium to allow for a conservative comparison. Since no Class II pH-specific ROs exist for chromium, silver, and vanadium, conservative Class I ROs used for comparison.

**Lab Data for 3 & 4 methylphenol compared to 4 methylphenol Ros.

 Yellow is above the most stringent MAC

 Blue is above MAC and City of Chicago but below the MSA

 Green is above MAC and MSA County

 Orange is above the lowest construction worker RO

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-169086-1

Client Project/Site: IDOT - PTB 174-009 - WO 062

For:

Environmental Design International, Inc.
33 W. Monroe
Suite 1825
Chicago, Illinois 60603

Attn: Michael Fischer

Jodie Bracken

Authorized for release by:
9/11/2019 10:24:56 AM

Jodie Bracken, Project Management Assistant II
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Designee for

Richard Wright, Senior Project Manager
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045D	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
1312	SPLP Extraction	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
9010B	Cyanide, Distillation	SW846	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5)

Lab Sample ID: 500-169086-3

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0073		0.017	0.0073	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Benzene	<0.00042		0.0017	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Bromodichloromethane	<0.00034		0.0017	0.00034	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Bromoform	<0.00049		0.0017	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Bromomethane	<0.0016		0.0042	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
2-Butanone (MEK)	<0.0018		0.0042	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Carbon disulfide	<0.00087		0.0042	0.00087	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Carbon tetrachloride	<0.00048		0.0017	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Chlorobenzene	<0.00061		0.0017	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Chloroethane	<0.0012 *		0.0042	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Chloroform	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Chloromethane	<0.0017		0.0042	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
cis-1,2-Dichloroethene	<0.00047		0.0017	0.00047	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
cis-1,3-Dichloropropene	<0.00050		0.0017	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Dibromochloromethane	<0.00054		0.0017	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
1,1-Dichloroethane	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
1,2-Dichloroethane	<0.0013		0.0042	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
1,1-Dichloroethene	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
1,2-Dichloropropane	<0.00043		0.0017	0.00043	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
1,3-Dichloropropane, Total	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Ethylbenzene	<0.00080		0.0017	0.00080	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
2-Hexanone	<0.0013		0.0042	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Methylene Chloride	<0.0016		0.0042	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
4-Methyl-2-pentanone (MIBK)	<0.0012		0.0042	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Methyl tert-butyl ether	<0.00049		0.0017	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Styrene	<0.00050		0.0017	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
1,1,2,2-Tetrachloroethane	<0.00053		0.0017	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Tetrachloroethene	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Toluene	<0.00042		0.0017	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
trans-1,2-Dichloroethene	<0.00074		0.0017	0.00074	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
trans-1,3-Dichloropropene	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
1,1,1-Trichloroethane	<0.00056		0.0017	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
1,1,2-Trichloroethane	<0.00071		0.0017	0.00071	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Trichloroethene	<0.00056		0.0017	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Vinyl acetate	<0.0014		0.0042	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Vinyl chloride	<0.00074		0.0017	0.00074	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1
Xylenes, Total	<0.00053		0.0033	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/27/19 17:07	09/05/19 04:12	1
Dibromofluoromethane	101		75 - 126	08/27/19 17:07	09/05/19 04:12	1
1,2-Dichloroethane-d4 (Surr)	113		70 - 134	08/27/19 17:07	09/05/19 04:12	1
Toluene-d8 (Surr)	93		75 - 124	08/27/19 17:07	09/05/19 04:12	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0071		0.039	0.0071	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Acenaphthylene	<0.0052		0.039	0.0052	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Anthracene	<0.0066		0.039	0.0066	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Benzo[a]anthracene	<0.0053		0.039	0.0053	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5)

Lab Sample ID: 500-169086-3

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0077		0.039	0.0077	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Benzo[b]fluoranthene	<0.0086		0.039	0.0086	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Benzo[g,h,i]perylene	<0.013		0.039	0.013	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Benzo[k]fluoranthene	<0.012		0.039	0.012	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Bis(2-chloroethoxy)methane	<0.040		0.20	0.040	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Bis(2-chloroethyl)ether	<0.059		0.20	0.059	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Bis(2-ethylhexyl) phthalate	<0.072		0.20	0.072	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Butyl benzyl phthalate	<0.075		0.20	0.075	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Carbazole	<0.099		0.20	0.099	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
4-Chloroaniline	<0.19		0.80	0.19	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
4-Chloro-3-methylphenol	<0.13		0.39	0.13	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2-Chloronaphthalene	<0.044		0.20	0.044	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2-Chlorophenol	<0.068		0.20	0.068	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Chrysene	<0.011		0.039	0.011	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Dibenz(a,h)anthracene	<0.0077		0.039	0.0077	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Dibenzofuran	<0.046		0.20	0.046	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
1,2-Dichlorobenzene	<0.047		0.20	0.047	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
1,3-Dichlorobenzene	<0.045		0.20	0.045	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
1,4-Dichlorobenzene	<0.051		0.20	0.051	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
3,3'-Dichlorobenzidine	<0.055		0.20	0.055	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2,4-Dichlorophenol	<0.094		0.39	0.094	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Diethyl phthalate	<0.067		0.20	0.067	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2,4-Dimethylphenol	<0.15		0.39	0.15	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Dimethyl phthalate	<0.052		0.20	0.052	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Di-n-butyl phthalate	<0.060		0.20	0.060	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
4,6-Dinitro-2-methylphenol	<0.32		0.80	0.32	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2,4-Dinitrophenol	<0.70 *		0.80	0.70	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2,4-Dinitrotoluene	<0.063		0.20	0.063	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2,6-Dinitrotoluene	<0.078		0.20	0.078	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Di-n-octyl phthalate	<0.065		0.20	0.065	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Fluoranthene	<0.0073		0.039	0.0073	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Fluorene	<0.0056		0.039	0.0056	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Hexachlorobenzene	<0.0092		0.080	0.0092	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Hexachlorobutadiene	<0.062		0.20	0.062	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Hexachlorocyclopentadiene	<0.23		0.80	0.23	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Hexachloroethane	<0.060		0.20	0.060	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Indeno[1,2,3-cd]pyrene	<0.010		0.039	0.010	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Isophorone	<0.044		0.20	0.044	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2-Methylnaphthalene	<0.0073		0.080	0.0073	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2-Methylphenol	<0.064		0.20	0.064	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
3 & 4 Methylphenol	<0.066		0.20	0.066	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Naphthalene	<0.0061		0.039	0.0061	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2-Nitroaniline	<0.053		0.20	0.053	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
3-Nitroaniline	<0.12		0.39	0.12	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
4-Nitroaniline	<0.17		0.39	0.17	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Nitrobenzene	<0.0099		0.039	0.0099	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2-Nitrophenol	<0.094		0.39	0.094	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5)

Lab Sample ID: 500-169086-3

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.38		0.80	0.38	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
N-Nitrosodi-n-propylamine	<0.048		0.080	0.048	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
N-Nitrosodiphenylamine	<0.047		0.20	0.047	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2,2'-oxybis[1-chloropropane]	<0.046		0.20	0.046	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Pentachlorophenol	<0.64		0.80	0.64	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Phenanthrene	0.0056	J	0.039	0.0055	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Phenol	<0.088		0.20	0.088	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
Pyrene	<0.0079		0.039	0.0079	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
1,2,4-Trichlorobenzene	<0.043		0.20	0.043	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2,4,5-Trichlorophenol	<0.090		0.39	0.090	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1
2,4,6-Trichlorophenol	<0.14		0.39	0.14	mg/Kg	☼	09/05/19 07:58	09/06/19 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	67		43 - 145	09/05/19 07:58	09/06/19 03:46	1
2-Fluorophenol	69		31 - 166	09/05/19 07:58	09/06/19 03:46	1
Nitrobenzene-d5	63		37 - 147	09/05/19 07:58	09/06/19 03:46	1
Phenol-d5	62		30 - 153	09/05/19 07:58	09/06/19 03:46	1
Terphenyl-d14	106		42 - 157	09/05/19 07:58	09/06/19 03:46	1
2,4,6-Tribromophenol	82		31 - 143	09/05/19 07:58	09/06/19 03:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.23		1.2	0.23	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Arsenic	9.3		0.59	0.20	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Barium	88		0.59	0.067	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Beryllium	0.71		0.23	0.055	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Cadmium	0.13	B	0.12	0.021	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Chromium	20		0.59	0.29	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Cobalt	9.0		0.29	0.077	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Copper	19		0.59	0.16	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Iron	24000		12	6.1	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Lead	18		0.29	0.14	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Magnesium	3400		5.9	2.9	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Calcium	2100		12	2.0	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Manganese	280		0.59	0.085	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Nickel	22		0.59	0.17	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Selenium	0.42	J	0.59	0.34	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Silver	3.7		0.29	0.076	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Thallium	1.1		0.59	0.29	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Vanadium	32		0.29	0.069	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Zinc	59		1.2	0.51	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Potassium	1700		29	10	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1
Sodium	1900		59	8.7	mg/Kg	☼	09/03/19 17:50	09/05/19 04:20	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:13	09/09/19 17:37	1
Barium	0.24	J	0.50	0.050	mg/L		09/09/19 08:13	09/09/19 17:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:13	09/09/19 17:37	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:13	09/09/19 17:37	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5)

Lab Sample ID: 500-169086-3

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	54		5.0	0.50	mg/L		09/09/19 08:13	09/09/19 17:37	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:37	1
Cobalt	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:37	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:37	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:13	09/09/19 17:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:13	09/09/19 17:37	1
Magnesium	18		2.5	0.50	mg/L		09/09/19 08:13	09/09/19 17:37	1
Manganese	0.60		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:37	1
Nickel	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:37	1
Potassium	1.1	J	2.5	0.50	mg/L		09/09/19 08:13	09/09/19 17:37	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:13	09/09/19 17:37	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:37	1
Vanadium	<0.010	^	0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:37	1
Zinc	0.093	J B	0.50	0.020	mg/L		09/09/19 08:13	09/09/19 17:37	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.091		0.050	0.010	mg/L		09/09/19 08:11	09/09/19 18:42	1
Barium	1.1		0.50	0.050	mg/L		09/09/19 08:11	09/09/19 18:42	1
Beryllium	0.010		0.0040	0.0040	mg/L		09/09/19 08:11	09/09/19 18:42	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		09/09/19 08:11	09/09/19 18:42	1
Calcium	24		5.0	0.50	mg/L		09/09/19 08:11	09/09/19 18:42	1
Chromium	0.26		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:42	1
Cobalt	0.048		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:42	1
Copper	0.27		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:42	1
Iron	350		0.40	0.20	mg/L		09/10/19 11:24	09/10/19 15:46	1
Lead	0.11		0.0075	0.0075	mg/L		09/09/19 08:11	09/09/19 18:42	1
Magnesium	46		2.5	0.50	mg/L		09/09/19 08:11	09/09/19 18:42	1
Manganese	0.97		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:42	1
Nickel	0.24		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:42	1
Potassium	120		2.5	0.50	mg/L		09/10/19 11:24	09/10/19 15:46	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:11	09/09/19 18:42	1
Silver	0.019	J	0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:42	1
Vanadium	0.41		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:42	1
Zinc	0.75		0.50	0.020	mg/L		09/09/19 08:11	09/09/19 18:42	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:13	09/09/19 20:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:13	09/09/19 20:18	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:11	09/10/19 01:23	1
Thallium	0.0051		0.0020	0.0020	mg/L		09/09/19 08:11	09/10/19 01:23	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00041		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:24	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5)

Lab Sample ID: 500-169086-3

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.3

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0065	mg/Kg	☼	09/04/19 11:20	09/05/19 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.30		0.60	0.30	mg/Kg	☼	09/06/19 10:10	09/06/19 15:03	1
pH	8.3		0.2	0.2	SU			09/03/19 19:59	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5) Dup

Lab Sample ID: 500-169086-4

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0073		0.017	0.0073	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Benzene	<0.00042		0.0017	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Bromodichloromethane	<0.00034		0.0017	0.00034	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Bromoform	<0.00049		0.0017	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Bromomethane	<0.0016		0.0042	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
2-Butanone (MEK)	<0.0018		0.0042	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Carbon disulfide	<0.00087		0.0042	0.00087	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Carbon tetrachloride	<0.00048		0.0017	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Chlorobenzene	<0.00061		0.0017	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Chloroethane	<0.0012 *		0.0042	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Chloroform	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Chloromethane	<0.0017		0.0042	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
cis-1,2-Dichloroethene	<0.00047		0.0017	0.00047	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
cis-1,3-Dichloropropene	<0.00050		0.0017	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Dibromochloromethane	<0.00054		0.0017	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
1,1-Dichloroethane	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
1,2-Dichloroethane	<0.0013		0.0042	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
1,1-Dichloroethene	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
1,2-Dichloropropane	<0.00043		0.0017	0.00043	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
1,3-Dichloropropane, Total	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Ethylbenzene	<0.00080		0.0017	0.00080	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
2-Hexanone	<0.0013		0.0042	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Methylene Chloride	<0.0016		0.0042	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
4-Methyl-2-pentanone (MIBK)	<0.0012		0.0042	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Methyl tert-butyl ether	<0.00049		0.0017	0.00049	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Styrene	<0.00050		0.0017	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
1,1,2,2-Tetrachloroethane	<0.00053		0.0017	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Tetrachloroethene	<0.00057		0.0017	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Toluene	<0.00042		0.0017	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
trans-1,2-Dichloroethene	<0.00074		0.0017	0.00074	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
trans-1,3-Dichloropropene	<0.00058		0.0017	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
1,1,1-Trichloroethane	<0.00056		0.0017	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
1,1,2-Trichloroethane	<0.00071		0.0017	0.00071	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Trichloroethene	<0.00056		0.0017	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Vinyl acetate	<0.0014		0.0042	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Vinyl chloride	<0.00074		0.0017	0.00074	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1
Xylenes, Total	<0.00053		0.0033	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 04:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		75 - 131	08/27/19 17:07	09/05/19 04:37	1
Dibromofluoromethane	100		75 - 126	08/27/19 17:07	09/05/19 04:37	1
1,2-Dichloroethane-d4 (Surr)	115		70 - 134	08/27/19 17:07	09/05/19 04:37	1
Toluene-d8 (Surr)	95		75 - 124	08/27/19 17:07	09/05/19 04:37	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0071		0.039	0.0071	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Acenaphthylene	<0.0052		0.039	0.0052	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Anthracene	<0.0066		0.039	0.0066	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Benzo[a]anthracene	<0.0053		0.039	0.0053	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5) Dup

Lab Sample ID: 500-169086-4

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0076		0.039	0.0076	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Benzo[b]fluoranthene	<0.0085		0.039	0.0085	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Benzo[g,h,i]perylene	<0.013		0.039	0.013	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Benzo[k]fluoranthene	<0.012		0.039	0.012	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Bis(2-chloroethoxy)methane	<0.040		0.20	0.040	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Bis(2-chloroethyl)ether	<0.059		0.20	0.059	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Bis(2-ethylhexyl) phthalate	<0.072		0.20	0.072	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Butyl benzyl phthalate	<0.075		0.20	0.075	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Carbazole	<0.098		0.20	0.098	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
4-Chloroaniline	<0.18		0.79	0.18	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
4-Chloro-3-methylphenol	<0.13		0.39	0.13	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2-Chloronaphthalene	<0.043		0.20	0.043	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2-Chlorophenol	<0.067		0.20	0.067	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Chrysene	<0.011		0.039	0.011	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Dibenz(a,h)anthracene	<0.0076		0.039	0.0076	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Dibenzofuran	<0.046		0.20	0.046	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
1,2-Dichlorobenzene	<0.047		0.20	0.047	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
1,3-Dichlorobenzene	<0.044		0.20	0.044	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
1,4-Dichlorobenzene	<0.050		0.20	0.050	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
3,3'-Dichlorobenzidine	<0.055		0.20	0.055	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2,4-Dichlorophenol	<0.093		0.39	0.093	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Diethyl phthalate	<0.067		0.20	0.067	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2,4-Dimethylphenol	<0.15		0.39	0.15	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Dimethyl phthalate	<0.051		0.20	0.051	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Di-n-butyl phthalate	<0.060		0.20	0.060	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
4,6-Dinitro-2-methylphenol	<0.32		0.79	0.32	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2,4-Dinitrophenol	<0.69 *		0.79	0.69	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2,4-Dinitrotoluene	<0.063		0.20	0.063	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2,6-Dinitrotoluene	<0.077		0.20	0.077	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Di-n-octyl phthalate	<0.064		0.20	0.064	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Fluoranthene	<0.0073		0.039	0.0073	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Fluorene	<0.0055		0.039	0.0055	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Hexachlorobenzene	<0.0091		0.079	0.0091	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Hexachlorobutadiene	<0.062		0.20	0.062	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Hexachlorocyclopentadiene	<0.23		0.79	0.23	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Hexachloroethane	<0.060		0.20	0.060	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Indeno[1,2,3-cd]pyrene	<0.010		0.039	0.010	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Isophorone	<0.044		0.20	0.044	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2-Methylnaphthalene	<0.0072		0.079	0.0072	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2-Methylphenol	<0.063		0.20	0.063	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
3 & 4 Methylphenol	<0.066		0.20	0.066	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Naphthalene	<0.0061		0.039	0.0061	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2-Nitroaniline	<0.053		0.20	0.053	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
3-Nitroaniline	<0.12		0.39	0.12	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
4-Nitroaniline	<0.16		0.39	0.16	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Nitrobenzene	<0.0098		0.039	0.0098	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2-Nitrophenol	<0.093		0.39	0.093	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5) Dup

Lab Sample ID: 500-169086-4

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.37		0.79	0.37	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
N-Nitrosodi-n-propylamine	<0.048		0.079	0.048	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
N-Nitrosodiphenylamine	<0.046		0.20	0.046	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2,2'-oxybis[1-chloropropane]	<0.046		0.20	0.046	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Pentachlorophenol	<0.63		0.79	0.63	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Phenanthrene	<0.0055		0.039	0.0055	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Phenol	<0.087		0.20	0.087	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
Pyrene	<0.0078		0.039	0.0078	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
1,2,4-Trichlorobenzene	<0.042		0.20	0.042	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2,4,5-Trichlorophenol	<0.090		0.39	0.090	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1
2,4,6-Trichlorophenol	<0.14		0.39	0.14	mg/Kg	☼	09/05/19 07:58	09/06/19 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		43 - 145	09/05/19 07:58	09/06/19 04:14	1
2-Fluorophenol	80		31 - 166	09/05/19 07:58	09/06/19 04:14	1
Nitrobenzene-d5	71		37 - 147	09/05/19 07:58	09/06/19 04:14	1
Phenol-d5	70		30 - 153	09/05/19 07:58	09/06/19 04:14	1
Terphenyl-d14	102		42 - 157	09/05/19 07:58	09/06/19 04:14	1
2,4,6-Tribromophenol	74		31 - 143	09/05/19 07:58	09/06/19 04:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.22		1.1	0.22	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Arsenic	8.9		0.57	0.20	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Barium	92		0.57	0.066	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Beryllium	0.76		0.23	0.054	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Cadmium	0.14	B	0.11	0.021	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Chromium	22		0.57	0.28	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Cobalt	9.5		0.29	0.075	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Copper	24		0.57	0.16	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Iron	26000		11	6.0	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Lead	14		0.29	0.13	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Magnesium	4000		5.7	2.9	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Calcium	2000		11	1.9	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Manganese	240		0.57	0.083	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Nickel	27		0.57	0.17	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Selenium	<0.34		0.57	0.34	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Silver	3.6		0.29	0.074	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Thallium	1.1		0.57	0.29	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Vanadium	34		0.29	0.068	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Zinc	67		1.1	0.50	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Potassium	2100		29	10	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1
Sodium	1900		57	8.5	mg/Kg	☼	09/03/19 17:50	09/05/19 04:24	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:13	09/09/19 17:41	1
Barium	0.33	J	0.50	0.050	mg/L		09/09/19 08:13	09/09/19 17:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:13	09/09/19 17:41	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:13	09/09/19 17:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5) Dup

Lab Sample ID: 500-169086-4

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	71		5.0	0.50	mg/L		09/09/19 08:13	09/09/19 17:41	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:41	1
Cobalt	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:41	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:41	1
Iron	<0.20		0.40	0.20	mg/L		09/09/19 08:13	09/09/19 17:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:13	09/09/19 17:41	1
Magnesium	26		2.5	0.50	mg/L		09/09/19 08:13	09/09/19 17:41	1
Manganese	0.94		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:41	1
Nickel	0.010	J	0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:41	1
Potassium	1.6	J	2.5	0.50	mg/L		09/09/19 08:13	09/09/19 17:41	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:13	09/09/19 17:41	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:41	1
Vanadium	<0.010	^	0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:41	1
Zinc	0.55	B	0.50	0.020	mg/L		09/09/19 08:13	09/09/19 17:41	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.066		0.050	0.010	mg/L		09/09/19 08:11	09/09/19 18:46	1
Barium	0.60		0.50	0.050	mg/L		09/09/19 08:11	09/09/19 18:46	1
Beryllium	0.0063		0.0040	0.0040	mg/L		09/09/19 08:11	09/09/19 18:46	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:11	09/09/19 18:46	1
Calcium	15		5.0	0.50	mg/L		09/09/19 08:11	09/09/19 18:46	1
Chromium	0.19		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:46	1
Cobalt	0.032		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:46	1
Copper	0.19		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:46	1
Iron	400		0.40	0.20	mg/L		09/10/19 11:24	09/10/19 15:50	1
Lead	0.069		0.0075	0.0075	mg/L		09/09/19 08:11	09/09/19 18:46	1
Magnesium	31		2.5	0.50	mg/L		09/09/19 08:11	09/09/19 18:46	1
Manganese	0.64		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:46	1
Nickel	0.16		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:46	1
Potassium	190		2.5	0.50	mg/L		09/10/19 11:24	09/10/19 15:50	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:11	09/09/19 18:46	1
Silver	0.012	J	0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:46	1
Vanadium	0.29		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:46	1
Zinc	0.83		0.50	0.020	mg/L		09/09/19 08:11	09/09/19 18:46	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:13	09/09/19 20:22	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:13	09/09/19 20:22	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:11	09/10/19 01:27	1
Thallium	0.0038		0.0020	0.0020	mg/L		09/09/19 08:11	09/10/19 01:27	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00035		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:25	1

Eurofins TestAmerica, Chicago

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Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (0-5) Dup

Lab Sample ID: 500-169086-4

Date Collected: 08/27/19 09:10

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0065	mg/Kg	☼	09/04/19 11:20	09/05/19 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.20		0.40	0.20	mg/Kg	☼	09/06/19 10:10	09/06/19 15:04	1
pH	8.5		0.2	0.2	SU			09/03/19 20:01	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (5-9)

Lab Sample ID: 500-169086-5

Date Collected: 08/27/19 09:20

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0072		0.016	0.0072	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Benzene	<0.00042		0.0016	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Bromodichloromethane	<0.00033		0.0016	0.00033	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Bromoform	<0.00048		0.0016	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Bromomethane	<0.0016		0.0041	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
2-Butanone (MEK)	<0.0018		0.0041	0.0018	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Carbon disulfide	<0.00086		0.0041	0.00086	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Carbon tetrachloride	<0.00048		0.0016	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Chlorobenzene	<0.00061		0.0016	0.00061	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Chloroethane	<0.0012 *		0.0041	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Chloroform	<0.00057		0.0016	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Chloromethane	<0.0017		0.0041	0.0017	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
cis-1,2-Dichloroethene	<0.00046		0.0016	0.00046	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
cis-1,3-Dichloropropene	<0.00050		0.0016	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Dibromochloromethane	<0.00054		0.0016	0.00054	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
1,1-Dichloroethane	<0.00056		0.0016	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
1,2-Dichloroethane	<0.0013		0.0041	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
1,1-Dichloroethene	<0.00057		0.0016	0.00057	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
1,2-Dichloropropane	<0.00043		0.0016	0.00043	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
1,3-Dichloropropane, Total	<0.00058		0.0016	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Ethylbenzene	<0.00079		0.0016	0.00079	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
2-Hexanone	<0.0013		0.0041	0.0013	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Methylene Chloride	<0.0016		0.0041	0.0016	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
4-Methyl-2-pentanone (MIBK)	<0.0012		0.0041	0.0012	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Methyl tert-butyl ether	<0.00048		0.0016	0.00048	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Styrene	<0.00050		0.0016	0.00050	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
1,1,2,2-Tetrachloroethane	<0.00053		0.0016	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Tetrachloroethene	<0.00056		0.0016	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Toluene	<0.00042		0.0016	0.00042	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
trans-1,2-Dichloroethene	<0.00073		0.0016	0.00073	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
trans-1,3-Dichloropropene	<0.00058		0.0016	0.00058	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
1,1,1-Trichloroethane	<0.00055		0.0016	0.00055	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
1,1,2-Trichloroethane	<0.00071		0.0016	0.00071	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Trichloroethene	<0.00056		0.0016	0.00056	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Vinyl acetate	<0.0014		0.0041	0.0014	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Vinyl chloride	<0.00073		0.0016	0.00073	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1
Xylenes, Total	<0.00053		0.0033	0.00053	mg/Kg	☼	08/27/19 17:07	09/05/19 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		75 - 131	08/27/19 17:07	09/05/19 05:03	1
Dibromofluoromethane	100		75 - 126	08/27/19 17:07	09/05/19 05:03	1
1,2-Dichloroethane-d4 (Surr)	110		70 - 134	08/27/19 17:07	09/05/19 05:03	1
Toluene-d8 (Surr)	97		75 - 124	08/27/19 17:07	09/05/19 05:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0071		0.039	0.0071	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Acenaphthylene	<0.0052		0.039	0.0052	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Anthracene	<0.0066		0.039	0.0066	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Benzo[a]anthracene	<0.0053		0.039	0.0053	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1

Eurofins TestAmerica, Chicago

Client Sample Results

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Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (5-9)

Lab Sample ID: 500-169086-5

Date Collected: 08/27/19 09:20

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	<0.0077		0.039	0.0077	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Benzo[b]fluoranthene	<0.0086		0.039	0.0086	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Benzo[g,h,i]perylene	<0.013		0.039	0.013	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Benzo[k]fluoranthene	<0.012		0.039	0.012	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Bis(2-chloroethoxy)methane	<0.041		0.20	0.041	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Bis(2-chloroethyl)ether	<0.060		0.20	0.060	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Bis(2-ethylhexyl) phthalate	<0.073		0.20	0.073	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
4-Bromophenyl phenyl ether	<0.052		0.20	0.052	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Butyl benzyl phthalate	<0.076		0.20	0.076	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Carbazole	<0.099		0.20	0.099	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
4-Chloroaniline	<0.19		0.80	0.19	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
4-Chloro-3-methylphenol	<0.14		0.39	0.14	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2-Chloronaphthalene	<0.044		0.20	0.044	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2-Chlorophenol	<0.068		0.20	0.068	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
4-Chlorophenyl phenyl ether	<0.046		0.20	0.046	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Chrysene	<0.011		0.039	0.011	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Dibenz(a,h)anthracene	<0.0077		0.039	0.0077	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Dibenzofuran	<0.047		0.20	0.047	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
1,2-Dichlorobenzene	<0.047		0.20	0.047	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
1,3-Dichlorobenzene	<0.045		0.20	0.045	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
1,4-Dichlorobenzene	<0.051		0.20	0.051	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
3,3'-Dichlorobenzidine	<0.056		0.20	0.056	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2,4-Dichlorophenol	<0.094		0.39	0.094	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Diethyl phthalate	<0.067		0.20	0.067	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2,4-Dimethylphenol	<0.15		0.39	0.15	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Dimethyl phthalate	<0.052		0.20	0.052	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Di-n-butyl phthalate	<0.061		0.20	0.061	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
4,6-Dinitro-2-methylphenol	<0.32		0.80	0.32	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2,4-Dinitrophenol	<0.70 *		0.80	0.70	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2,4-Dinitrotoluene	<0.063		0.20	0.063	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2,6-Dinitrotoluene	<0.078		0.20	0.078	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Di-n-octyl phthalate	<0.065		0.20	0.065	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Fluoranthene	<0.0074		0.039	0.0074	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Fluorene	<0.0056		0.039	0.0056	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Hexachlorobenzene	<0.0092		0.080	0.0092	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Hexachlorobutadiene	<0.062		0.20	0.062	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Hexachlorocyclopentadiene	<0.23		0.80	0.23	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Hexachloroethane	<0.060		0.20	0.060	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Indeno[1,2,3-cd]pyrene	<0.010		0.039	0.010	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Isophorone	<0.045		0.20	0.045	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2-Methylnaphthalene	<0.0073		0.080	0.0073	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2-Methylphenol	<0.064		0.20	0.064	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
3 & 4 Methylphenol	<0.066		0.20	0.066	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Naphthalene	<0.0061		0.039	0.0061	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2-Nitroaniline	<0.053		0.20	0.053	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
3-Nitroaniline	<0.12		0.39	0.12	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
4-Nitroaniline	<0.17		0.39	0.17	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Nitrobenzene	<0.0099		0.039	0.0099	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2-Nitrophenol	<0.094		0.39	0.094	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (5-9)

Lab Sample ID: 500-169086-5

Date Collected: 08/27/19 09:20

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	<0.38		0.80	0.38	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
N-Nitrosodi-n-propylamine	<0.049		0.080	0.049	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
N-Nitrosodiphenylamine	<0.047		0.20	0.047	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2,2'-oxybis[1-chloropropane]	<0.046		0.20	0.046	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Pentachlorophenol	<0.64		0.80	0.64	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Phenanthrene	<0.0055		0.039	0.0055	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Phenol	<0.088		0.20	0.088	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
Pyrene	<0.0079		0.039	0.0079	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
1,2,4-Trichlorobenzene	<0.043		0.20	0.043	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2,4,5-Trichlorophenol	<0.091		0.39	0.091	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1
2,4,6-Trichlorophenol	<0.14		0.39	0.14	mg/Kg	☼	09/05/19 07:58	09/06/19 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		43 - 145	09/05/19 07:58	09/06/19 04:42	1
2-Fluorophenol	84		31 - 166	09/05/19 07:58	09/06/19 04:42	1
Nitrobenzene-d5	79		37 - 147	09/05/19 07:58	09/06/19 04:42	1
Phenol-d5	71		30 - 153	09/05/19 07:58	09/06/19 04:42	1
Terphenyl-d14	100		42 - 157	09/05/19 07:58	09/06/19 04:42	1
2,4,6-Tribromophenol	70		31 - 143	09/05/19 07:58	09/06/19 04:42	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.22		1.1	0.22	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Arsenic	12		0.56	0.19	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Barium	36		0.56	0.064	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Beryllium	0.61		0.22	0.053	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Cadmium	0.29	B	0.11	0.020	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Chromium	14		0.56	0.28	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Cobalt	17		0.28	0.074	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Copper	42		0.56	0.16	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Iron	22000		11	5.8	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Lead	20		0.28	0.13	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Magnesium	18000		5.6	2.8	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Calcium	26000		11	1.9	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Manganese	300		0.56	0.082	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Nickel	42		0.56	0.16	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Selenium	0.44	J	0.56	0.33	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Silver	3.0		0.28	0.073	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Thallium	1.3		0.56	0.28	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Vanadium	18		0.28	0.066	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Zinc	93		1.1	0.49	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Potassium	2400		28	10	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1
Sodium	200		56	8.3	mg/Kg	☼	09/03/19 17:50	09/05/19 04:28	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		09/09/19 08:13	09/09/19 17:45	1
Barium	0.38	J	0.50	0.050	mg/L		09/09/19 08:13	09/09/19 17:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		09/09/19 08:13	09/09/19 17:45	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		09/09/19 08:13	09/09/19 17:45	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (5-9)

Lab Sample ID: 500-169086-5

Date Collected: 08/27/19 09:20

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	300		5.0	0.50	mg/L		09/09/19 08:13	09/09/19 17:45	1
Chromium	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:45	1
Cobalt	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:45	1
Copper	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:45	1
Iron	0.26	J	0.40	0.20	mg/L		09/09/19 08:13	09/09/19 17:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		09/09/19 08:13	09/09/19 17:45	1
Magnesium	170		2.5	0.50	mg/L		09/09/19 08:13	09/09/19 17:45	1
Manganese	1.0		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:45	1
Nickel	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:45	1
Potassium	6.8		2.5	0.50	mg/L		09/09/19 08:13	09/09/19 17:45	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:13	09/09/19 17:45	1
Silver	<0.010		0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:45	1
Vanadium	<0.010	[^]	0.025	0.010	mg/L		09/09/19 08:13	09/09/19 17:45	1
Zinc	<0.020		0.50	0.020	mg/L		09/09/19 08:13	09/09/19 17:45	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.083	J	0.10	0.020	mg/L		09/09/19 08:11	09/10/19 11:56	2
Barium	0.58		0.50	0.050	mg/L		09/09/19 08:11	09/09/19 18:50	1
Beryllium	0.0075		0.0040	0.0040	mg/L		09/09/19 08:11	09/09/19 18:50	1
Cadmium	<0.0040		0.010	0.0040	mg/L		09/09/19 08:11	09/10/19 11:56	2
Calcium	12		5.0	0.50	mg/L		09/09/19 08:11	09/09/19 18:50	1
Chromium	0.17		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:50	1
Cobalt	0.054		0.050	0.020	mg/L		09/09/19 08:11	09/10/19 11:56	2
Copper	0.22		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:50	1
Iron	160		0.40	0.20	mg/L		09/10/19 11:24	09/10/19 15:54	1
Lead	0.11		0.015	0.015	mg/L		09/09/19 08:11	09/10/19 11:56	2
Magnesium	31		2.5	0.50	mg/L		09/09/19 08:11	09/09/19 18:50	1
Manganese	0.59		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:50	1
Nickel	0.20		0.050	0.020	mg/L		09/09/19 08:11	09/10/19 11:56	2
Potassium	49		2.5	0.50	mg/L		09/10/19 11:24	09/10/19 15:54	1
Selenium	<0.020		0.050	0.020	mg/L		09/09/19 08:11	09/09/19 18:50	1
Silver	0.013	J	0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:50	1
Vanadium	0.28		0.025	0.010	mg/L		09/09/19 08:11	09/09/19 18:50	1
Zinc	0.56		0.50	0.020	mg/L		09/09/19 08:11	09/09/19 18:50	1

Method: 6020A - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:13	09/09/19 20:25	1
Thallium	<0.0020		0.0020	0.0020	mg/L		09/09/19 08:13	09/09/19 20:25	1

Method: 6020A - Metals (ICP/MS) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		09/09/19 08:11	09/10/19 01:30	1
Thallium	0.013		0.0020	0.0020	mg/L		09/09/19 08:11	09/10/19 01:30	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00024		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:27	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Client Sample ID: 3132V-11-B02 (5-9)

Lab Sample ID: 500-169086-5

Date Collected: 08/27/19 09:20

Matrix: Solid

Date Received: 08/27/19 16:05

Percent Solids: 82.9

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		09/09/19 13:00	09/10/19 11:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.018	0.0060	mg/Kg	☼	09/04/19 11:20	09/05/19 09:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.28		0.57	0.28	mg/Kg	☼	09/06/19 10:10	09/06/19 15:04	1
pH	8.2		0.2	0.2	SU			09/03/19 20:03	1



Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - PTB 174-009 - WO 062

Job ID: 500-169086-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	100201	04-30-20

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
6020A	3010A	Solid	Antimony
6020A	3010A	Solid	Thallium
7470A	7470A	Solid	Mercury
8260B	5035	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) Mike Fischer
 Contact: Mike Fischer
 Company: EDI
 Address: 33 W. Monroe
 Address: Chicago, IL 60603
 Phone: 847-312-7670
 Fax: _____
 E-Mail: M.Fischer@envdot.com

Bill To (optional) _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: 500-169086 COC
 Fax: _____

Chain of Custody Record

Lab Job #: 500-169086
 Chain of Custody Number: _____
 Page 1 of 1
 Temperature °C of Cooler: 13.1

Client		Client Project #		Preservative		Parameter		Matrix		Comments		
EDI		2031.001.01								Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Project Name		Lab Project #		Sampling		Matrix		Matrix		Comments		
IDOT PTB 174-009-WO 62				Date Time		# of Containers		Matrix				
Project Location/State		Lab PM										
Manhattan, IL		B. Kinsella										
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	VOCs	SVOCs	TAL Inorganic	TCLP/SPLP Inorganic	Total Cyanide	pH
1		3132V-11-B01 (0-5)	8-27-19	0850	5	S	X	X	X	X	X	X
2		-B01 (5-9)		0855								
3		-B02 (0-5)		0910								
4		-B02 (0-5) DUP		0910								
5		-B02 (5-9)		0920								
6		-B03 (0-5)		0930								
7		-B03 (5-9)		0935								

Turnaround Time Required (Business Days) _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>MJA</u>	Company: <u>EDI</u>	Date: <u>8/27/19</u>	Time: <u>1605</u>	Received By: <u>Shun Lee</u>	Company: <u>TRAC</u>	Date: <u>8/27/19</u>	Time: <u>1605</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Courier: _____
 Shipped: _____
 Hand Delivered:

- Matrix Key
- WW - Wastewater
 - W - Water
 - S - Soil
 - SL - Sludge
 - MS - Miscellaneous
 - OL - Oil
 - A - Air
 - SE - Sediment
 - SO - Soil
 - L - Leachate
 - WI - Wipe
 - DW - Drinking Water
 - O - Other

Client Comments: _____

Lab Comments: _____

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-169086-1

Login Number: 169086

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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.	True	
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	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	13.1
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	