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: FAU 1223 (Washington Street) Office Phone Number, if available:

Physical Site Location (address, including number and street):
3600 block of W. Washington Street (ISGS #3630V-4)

City: Gurnee State: IL Zip Code: 60031

County: Lake Township: Warren

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

Latitude: 42.35965 (Decimal Degrees) Longitude: -87.89213 (-Decimal Degrees)

Identify how the lat/long data were determined:

○ GPS ☑ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: 0978995044 BOW: BOA:

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

Estimated Volume of debris (cu. Yd.): 394

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: 60196-1096 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: 60196-1096 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.

Project Name: FAU 1223 (Washington Street) Latitude: 42.35965 Longitude: - 87.89213

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 3630V-04-B01 through 3630V-04-B04 were sampled within the construction zone at ISGS #3630V-4 (Bridge). Refer to PSI Report including Table 4-3, and Figure 4-2.

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]:

See attached data summary table and associated laboratory data package J213883-1.

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

I, Tom Campbell (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: WSP USA

Street Address: 115 W Washington St., Suite 1270S

City: Indianapolis State: IN Zip Code: 46204

Phone: (317) 972-1706

Tom Campbell
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

05/23/2022
Date:

Expires 11/30/2023

P.E or L.P.G. Seal:

Analytical Data Summary
PTB #196-002; Work Order 09A - IDOT Job # D-91-441-20

Key to Data Tables

MAC = Maximum Allowable Concentration of Chemical Constituent in Uncontaminated Soil Used as Fill Material At Regulated Fill Operations

mg/kg = Milligrams per kilogram.

mg/L = Milligrams per liter.

MSA = Metropolitan Statistical Area

TACO = Tiered Approach to Corrective Action Objectives

TCLP = Toxicity Characteristic Leaching Procedure.

SCGIER = Soil Component of the Groundwater Ingestion Exposure Route

SPLP = Synthetic Precipitation Leaching Procedure.

ND = Not detected.

NA = Not analyzed.

J = Estimated value.

U = Analyte was analyzed for but not detected.

Criteria Qualifiers and Shading

\# = pH is less than 6.25 or greater than 9.0 standard units.

† = Concentration exceeds the most stringent MAC.

m = Concentration exceeds the MAC for an MSA.

* = Concentration exceeds the MAC for Chicago corporate limits.

L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the SCGIER.

= Concentration exceeds the most stringent MAC, but is below the MAC for an MSA.

= Concentration exceeds applicable comparison criteria.

PTB #196-002; Work Order 09A - IDOT Job # D-91-441-20

CONTAMINANTS OF CONCERN

SITE	ISGS #3630V-4 (Bridge)			Comparison Criteria					
BORING	3630V-04-B01		3630V-04-B02	MACs			TACO		
SAMPLE	3630V-04-B01 (0-4)	3630V-04-B01 (4-8)	3630V-04-B02 (0-1)						
MATRIX	Soil	Soil	Soil						
DEPTH (feet)	0-4	4-8	0-1						
pH	8.6	8.9	7.7						
PID (meter units)	--	--	--	Most Stringent	Within an MSA	Within Chicago	Residential	Construction Worker	SCGIER
VOCs (None Detected)									
SVOCs (mg/kg)									
Acenaphthene	ND U	ND U	**0.014 J**	570	--	--	4,700	120,000	--
Anthracene	ND U	ND U	**0.046**	12,000	--	--	23,000	610,000	--
Benzo(a)anthracene	**0.014 J**	**0.013 J**	**0.20**	0.9	1.8	1.1	1.8	170	--
Benzo(a)pyrene	**0.018 J**	**0.015 J**	**0.26 †**	0.09	2.1	1.3	2.1	17	--
Benzo(b)fluoranthene	**0.023 J**	**0.021 J**	**0.33**	0.9	2.1	1.5	2.1	170	--
Benzo(g,h,i)perylene	**0.016 J**	**0.012 J**	**0.15 J**	--	--	--	--	--	--
Benzo(k)fluoranthene	**0.011 J**	ND U	**0.13**	9	--	--	9	1,700	--
Butyl benzyl phthalate	ND U	ND U	**0.56**	930	--	--	930	930	--
Chrysene	**0.020 J**	**0.015 J**	**0.24**	88	--	--	88	17,000	--
Dibenz(a,h)anthracene	ND UJ	ND UJ	**0.034 J**	0.09	0.42	0.2	0.42	17	--
Fluoranthene	**0.039**	**0.032 J**	**0.54**	3100	--	--	3,100	82,000	--
Fluorene	ND U	ND U	**0.011 J**	560	--	--	3,100	82,000	--
Indeno(1,2,3-cd)pyrene	**0.016 J**	**0.011 J**	**0.12 J**	0.9	1.6	0.9	1.6	170	--
Phenanthrene	**0.018 J**	**0.011 J**	**0.18**	--	--	--	--	--	--
Pyrene	**0.029 J**	**0.025 J**	**0.37**	2,300	--	--	2,300	61,000	--
Inorganics (mg/kg)									
Antimony	**0.43 J**	**0.50 J**	**0.58 J**	5	--	--	31	82	--
Arsenic	**7.3**	**7.0**	**7.1**	11.3	13	--	13	61	--
Barium	**36**	**37**	**33**	1,500	--	--	5,500	14,000	--
Beryllium	**0.68**	**0.65**	**0.70**	22	--	--	160	410	--
Boron	**7.7**	**6.9**	**6.3**	40	--	--	16,000	41,000	--
Calcium	**66,000**	**62,000**	**77,000**	--	--	--	--	--	--
Chromium	**14**	**13**	**15**	21	--	--	230	690	--
Cobalt	**11**	**11**	**11**	20	--	--	4,700	12,000	--
Copper	**24**	**21**	**29**	2,900	--	--	2,900	8,200	--
Iron	**19,000 †m**	**17,000 †m**	**20,000 †m**	15,000	15,900	--	--	--	--
Lead	**17**	**15**	**40**	107	--	--	400	700	--
Magnesium	**30,000**	**27,000**	**31,000**	325,000	--	--	--	730,000	--
Manganese	**530**	**570**	**560**	630	636	--	1,600	4,100	--
Mercury	**0.024**	**0.022**	**0.028**	0.89	--	--	10	0.1	--
Nickel	**27**	**26**	**25**	100	--	--	1,600	4,100	--
Potassium	**1,700**	**1,300**	**1,500**	--	--	--	--	--	--
Selenium	ND U	ND U	ND U	1.3	--	--	390	1,000	--
Silver	**0.21 J**	**0.28**	**0.24 J**	4.4	--	--	390	1,000	--
Sodium	**1,100**	**1,400**	**760**	--	--	--	--	--	--
Vanadium	**17**	**18**	**18**	550	--	--	550	1,400	--
Zinc	**64**	**60**	**90**	5,100	--	--	23,000	61,000	--
TCLP Metals (mg/L)									
Barium	**0.34 J**	**0.33 J**	**0.25 J**	--	--	--	--	--	2
Boron	**0.071 J**	**0.075 J**	**0.069 J**	--	--	--	--	--	2
Iron	ND U	ND U	ND U	--	--	--	--	--	5
Manganese	**0.30 L**	**0.77 L**	**0.11**	--	--	--	--	--	0.15
Zinc	**0.20 J**	**0.31 J**	**0.42 J**	--	--	--	--	--	5
SPLP Metals (mg/L)									
Manganese	**0.79 L**	**1.4 L**	NA	--	--	--	--	--	0.15

PTB #196-002; Work Order 09A - IDOT Job # D-91-441-20

CONTAMINANTS OF CONCERN

SITE	ISGS #3630V-4 (Bridge)				Comparison Criteria					
BORING	3630V-04-B03			3630V-04-B04	MACs			TACO		
SAMPLE	3630V-04-B03 (0-4)	3630V-04-B03 (0-4)D	3630V-04-B03 (4-8)	3630V-04-B04 (0-1)						
MATRIX	Soil	Soil	Soil	Soil						
DEPTH (feet)	0-4	0-4	4-8	0-1						
pH	8.5	8.6	7.5	8.6						
PID (meter units)	--		--	--	Most Stringent	Within an MSA	Within Chicago	Residential	Construction Worker	SCGIER
VOCs (None Detected)										
SVOCs (mg/kg)										
Acenaphthene	ND U	ND U	ND U	ND U	570	--	--	4,700	120,000	--
Anthracene	ND U	ND U	ND U	ND U	12,000	--	--	23,000	610,000	--
Benzo(a)anthracene	ND U	**0.020 J**	**0.0099 J**	**0.0099 J**	0.9	1.8	1.1	1.8	170	--
Benzo(a)pyrene	ND U	**0.026 J**	**0.016 J**	**0.013 J**	0.09	2.1	1.3	2.1	17	--
Benzo(b)fluoranthene	ND U	**0.037 J**	**0.022 J**	**0.018 J**	0.9	2.1	1.5	2.1	170	--
Benzo(g,h,i)perylene	ND UJ	**0.018 J**	ND UJ	ND UJ	--	--	--	--	--	--
Benzo(k)fluoranthene	ND U	**0.013 J**	ND U	ND U	9	--	--	9	1,700	--
Butyl benzyl phthalate	ND U	ND U	ND U	ND U	930	--	--	930	930	--
Chrysene	ND U	**0.030 J**	**0.014 J**	**0.011 J**	88	--	--	88	17,000	--
Dibenz(a,h)anthracene	ND UJ	ND UJ	ND UJ	ND UJ	0.09	0.42	0.2	0.42	17	--
Fluoranthene	ND U	**0.054**	**0.025 J**	**0.024 J**	3100	--	--	3,100	82,000	--
Fluorene	ND U	ND U	ND U	ND U	560	--	--	3,100	82,000	--
Indeno(1,2,3-cd)pyrene	ND UJ	**0.015 J**	ND UJ	ND UJ	0.9	1.6	0.9	1.6	170	--
Phenanthrene	ND U	**0.024 J**	**0.011 J**	**0.011 J**	--	--	--	--	--	--
Pyrene	ND U	**0.043**	**0.019 J**	**0.018 J**	2,300	--	--	2,300	61,000	--
Inorganics (mg/kg)										
Antimony	**0.63 J**	**0.50 J**	**0.47 J**	**0.52 J**	5	--	--	31	82	--
Arsenic	**7.6**	**6.2**	**6.8**	**6.5**	11.3	13	--	13	61	--
Barium	**60**	**46**	**69**	**77**	1,500	--	--	5,500	14,000	--
Beryllium	**0.95**	**0.80**	**0.83**	**0.78**	22	--	--	160	410	--
Boron	**5.4**	**8.7**	**5.1**	**4.4**	40	--	--	16,000	41,000	--
Calcium	**21,000 J**	**64,000 J**	**30,000**	**9,100**	--	--	--	--	--	--
Chromium	**19**	**18**	**18**	**15**	21	--	--	230	690	--
Cobalt	**13**	**11**	**13**	**9.8**	20	--	--	4,700	12,000	--
Copper	**23**	**20**	**20**	**15**	2,900	--	--	2,900	8,200	--
Iron	**22,000 †m**	**18,000 †m**	**19,000 †m**	**18,000 †m**	15,000	15,900	--	--	--	--
Lead	**17**	**14**	**19**	**26**	107	--	--	400	700	--
Magnesium	**12,000 J**	**25,000 J**	**19,000**	**5,600**	325,000	--	--	--	730,000	--
Manganese	**530**	**470**	**480**	**590**	630	636	--	1,600	4,100	--
Mercury	**0.041**	**0.032**	**0.033**	**0.055**	0.89	--	--	10	0.1	--
Nickel	**32**	**28**	**26**	**20**	100	--	--	1,600	4,100	--
Potassium	**1,800**	**2,100**	**1,600**	**1,200**	--	--	--	--	--	--
Selenium	**0.47 J**	ND U	ND U	**0.51 J**	1.3	--	--	390	1,000	--
Silver	**0.38**	**0.27 J**	**0.32**	**0.34**	4.4	--	--	390	1,000	--
Sodium	**2,000**	**1,400**	**2,100**	**510**	--	--	--	--	--	--
Vanadium	**24**	**21**	**23**	**24**	550	--	--	550	1,400	--
Zinc	**67**	**63**	**66**	**63**	5,100	--	--	23,000	61,000	--
TCLP Metals (mg/L)										
Barium	**0.29 J**	**0.34 J**	**0.32 J**	**0.41 J**	--	--	--	--	--	2
Boron	**0.21 J**	**0.064 J**	**0.082 J**	**0.073 J**	--	--	--	--	--	2
Iron	ND U	ND U	**0.27 J**	ND U	--	--	--	--	--	5
Manganese	**0.58 L**	**0.083**	**0.82 L**	**0.67 L**	--	--	--	--	--	0.15
Zinc	ND U	**0.056 J**	**0.050 J**	**0.027 J**	--	--	--	--	--	5
SPLP Metals (mg/L)										
Manganese	**1.7 L**	NA	**2.6 L**	**0.92 L**	--	--	--	--	--	0.15

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ANALYTICAL REPORT

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

Laboratory Job ID: 500-213883-1
Client Project/Site: IDOT - 196-002 - WO 009

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

Attn: Michael Fischer

Authorized for release by:
4/1/2022 4:50:13 PM

Richard Wright, Senior Project Manager
(708)746-0045
Richard.Wright@Eurofinset.com

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Job ID: 500-213883-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative
500-213883-1

Receipt
The samples were received on 3/18/2022 2:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.7º C.

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) analyzed in batch 500-649596 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol, Hexachlorocyclopentadiene and Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 500-649653 was outside the method criteria for the following analyte(s): Benzo[g,h,i]perylene, Dibenz(a,h)anthracene, Hexachlorocyclopentadiene and Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

Metals
Method 1311: Insufficient sample was provided to perform the leaching procedure with the required 100g for the following sample: 3630V-04-B02 (0-1) (500-213883-3). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

Method 6010B: The initial calibration blank (ICB) for 500-649180 contained Zinc above the reporting limit (RL). Associated sample 3630V-04-B01 (0-4) (500-213883-1), 3630V-04-B01 (4-8) (500-213883-2), 3630V-04-B02 (0-1) (500-213883-3), 3630V-04-B03 (0-4) (500-213883-4), 3630V-04-B03 (0-4)D (500-213883-5), 3630V-04-B03 (4-8) (500-213883-6) and 3630V-04-B04 (0-1) (500-213883-7) was not re-analyzed because results were greater than 10X the value found in the ICB.

3630V-04-B01 (0-4) (500-213883-1), 3630V-04-B01 (4-8) (500-213883-2), 3630V-04-B02 (0-1) (500-213883-3), 3630V-04-B03 (0-4) (500-213883-4), 3630V-04-B03 (0-4)D (500-213883-5), 3630V-04-B03 (4-8) (500-213883-6) and 3630V-04-B04 (0-1) (500-213883-7)

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

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

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

Detection Summary

Client: Environmental Design International, Inc. Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Client Sample ID: 3630V-04-B01 (0-4) Lab Sample ID: 500-213883-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.018	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.039		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.029	J	0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.014	J	0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.020	J	0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.023	J	0.037	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.011	J	0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.018	J	0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.016	J	0.037	0.0097	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.016	J	0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.43	J	1.1	0.21	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.3		0.54	0.19	mg/Kg	1	☼	6010B	Total/NA
Barium	36		0.54	0.062	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.68		0.22	0.051	mg/Kg	1	☼	6010B	Total/NA
Boron	7.7	B	2.7	0.25	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.031	J B	0.11	0.020	mg/Kg	1	☼	6010B	Total/NA
Calcium	66000	B	54	9.2	mg/Kg	5	☼	6010B	Total/NA
Chromium	14	B	0.54	0.27	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.27	0.071	mg/Kg	1	☼	6010B	Total/NA
Copper	24	B	0.54	0.15	mg/Kg	1	☼	6010B	Total/NA
Iron	19000	B	11	5.7	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	30000	B	5.4	2.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	530	B	0.54	0.079	mg/Kg	1	☼	6010B	Total/NA
Nickel	27		0.54	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	1700		27	9.6	mg/Kg	1	☼	6010B	Total/NA
Silver	0.21	J	0.27	0.070	mg/Kg	1	☼	6010B	Total/NA
Sodium	1100		54	8.0	mg/Kg	1	☼	6010B	Total/NA
Vanadium	17	B	0.27	0.064	mg/Kg	1	☼	6010B	Total/NA
Zinc	64	^2	1.1	0.48	mg/Kg	1	☼	6010B	Total/NA
Barium	0.34	J	0.50	0.050	mg/L	1		6010B	TCLP
Boron	0.071	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.30		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.20	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.79		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.024		0.017	0.0057	mg/Kg	1	☼	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 3630V-04-B01 (4-8) Lab Sample ID: 500-213883-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.011	J	0.036	0.0050	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.032	J	0.036	0.0066	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.025	J	0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.013	J	0.036	0.0048	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.015	J	0.036	0.0097	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.021	J	0.036	0.0077	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.015	J	0.036	0.0069	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.011	J	0.036	0.0093	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.012	J	0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.50	J	1.1	0.21	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 3630V-04-B01 (4-8) (Continued) Lab Sample ID: 500-213883-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.0		0.55	0.19	mg/Kg	1	☼	6010B	Total/NA
Barium	37		0.55	0.062	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.65		0.22	0.051	mg/Kg	1	☼	6010B	Total/NA
Boron	6.9	B	2.7	0.25	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.025	J B	0.11	0.020	mg/Kg	1	☼	6010B	Total/NA
Calcium	62000	B	55	9.3	mg/Kg	5	☼	6010B	Total/NA
Chromium	13	B	0.55	0.27	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.27	0.072	mg/Kg	1	☼	6010B	Total/NA
Copper	21	B	0.55	0.15	mg/Kg	1	☼	6010B	Total/NA
Iron	17000	B	11	5.7	mg/Kg	1	☼	6010B	Total/NA
Lead	15		0.27	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	27000	B	5.5	2.7	mg/Kg	1	☼	6010B	Total/NA
Manganese	570	B	0.55	0.079	mg/Kg	1	☼	6010B	Total/NA
Nickel	26		0.55	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	1300		27	9.7	mg/Kg	1	☼	6010B	Total/NA
Silver	0.28		0.27	0.071	mg/Kg	1	☼	6010B	Total/NA
Sodium	1400		55	8.1	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18	B	0.27	0.065	mg/Kg	1	☼	6010B	Total/NA
Zinc	60	^2	1.1	0.48	mg/Kg	1	☼	6010B	Total/NA
Barium	0.33	J	0.50	0.050	mg/L	1		6010B	TCLP
Boron	0.075	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.77		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.31	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	1.4		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.022		0.018	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	8.9		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 3630V-04-B02 (0-1) Lab Sample ID: 500-213883-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.014	J	0.037	0.0067	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.011	J	0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.18		0.037	0.0052	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.046		0.037	0.0062	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.54		0.037	0.0069	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.37		0.037	0.0074	mg/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	0.56		0.19	0.071	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.20		0.037	0.0050	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.24		0.037	0.010	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.33		0.037	0.0080	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.13		0.037	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.26		0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.12		0.037	0.0097	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.034	J	0.037	0.0072	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.15		0.037	0.012	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.58	J	1.2	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.1		0.58	0.20	mg/Kg	1	☼	6010B	Total/NA
Barium	33		0.58	0.066	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.70		0.23	0.054	mg/Kg	1	☼	6010B	Total/NA
Boron	6.3	B	2.9	0.27	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.073	J B	0.12	0.021	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 3630V-04-B02 (0-1) (Continued) Lab Sample ID: 500-213883-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	77000	B	58	9.8	mg/Kg	5	☼	6010B	Total/NA
Chromium	15	B	0.58	0.29	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.29	0.076	mg/Kg	1	☼	6010B	Total/NA
Copper	29	B	0.58	0.16	mg/Kg	1	☼	6010B	Total/NA
Iron	20000	B	12	6.0	mg/Kg	1	☼	6010B	Total/NA
Lead	40		0.29	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	31000	B	5.8	2.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	560	B	0.58	0.084	mg/Kg	1	☼	6010B	Total/NA
Nickel	25		0.58	0.17	mg/Kg	1	☼	6010B	Total/NA
Potassium	1500		29	10	mg/Kg	1	☼	6010B	Total/NA
Silver	0.24	J	0.29	0.075	mg/Kg	1	☼	6010B	Total/NA
Sodium	760		58	8.6	mg/Kg	1	☼	6010B	Total/NA
Vanadium	18	B	0.29	0.068	mg/Kg	1	☼	6010B	Total/NA
Zinc	90	^2	1.2	0.51	mg/Kg	1	☼	6010B	Total/NA
Barium	0.25	J	0.50	0.050	mg/L	1		6010B	TCLP
Boron	0.069	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.11		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.42	J	0.50	0.020	mg/L	1		6010B	TCLP
Mercury	0.028		0.018	0.0060	mg/Kg	1	☼	7471B	Total/NA
pH	7.7		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 3630V-04-B03 (0-4) Lab Sample ID: 500-213883-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.63	J	1.2	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	7.6		0.60	0.21	mg/Kg	1	☼	6010B	Total/NA
Barium	60		0.60	0.069	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.95		0.24	0.056	mg/Kg	1	☼	6010B	Total/NA
Boron	5.4	B	3.0	0.28	mg/Kg	1	☼	6010B	Total/NA
Calcium	21000	B	12	2.0	mg/Kg	1	☼	6010B	Total/NA
Chromium	19	B	0.60	0.30	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.30	0.079	mg/Kg	1	☼	6010B	Total/NA
Copper	23	B	0.60	0.17	mg/Kg	1	☼	6010B	Total/NA
Iron	22000	B	12	6.3	mg/Kg	1	☼	6010B	Total/NA
Lead	17		0.30	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	12000	B	6.0	3.0	mg/Kg	1	☼	6010B	Total/NA
Manganese	530	B	0.60	0.087	mg/Kg	1	☼	6010B	Total/NA
Nickel	32		0.60	0.18	mg/Kg	1	☼	6010B	Total/NA
Potassium	1800		30	11	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.47	J	0.60	0.35	mg/Kg	1	☼	6010B	Total/NA
Silver	0.38		0.30	0.078	mg/Kg	1	☼	6010B	Total/NA
Sodium	2000		60	8.9	mg/Kg	1	☼	6010B	Total/NA
Vanadium	24	B	0.30	0.071	mg/Kg	1	☼	6010B	Total/NA
Zinc	67	^2	1.2	0.53	mg/Kg	1	☼	6010B	Total/NA
Barium	0.29	J	0.50	0.050	mg/L	1		6010B	TCLP
Boron	0.21	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.58		0.025	0.010	mg/L	1		6010B	TCLP
Manganese	1.7		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.041		0.019	0.0062	mg/Kg	1	☼	7471B	Total/NA
pH	8.5		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Environmental Design International, Inc. Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Client Sample ID: 3630V-04-B03 (0-4)D — Lab Sample ID: 500-213883-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.024	J	0.038	0.0053	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.054		0.038	0.0070	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.043		0.038	0.0075	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.020	J	0.038	0.0051	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.030	J	0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.037	J	0.038	0.0082	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.013	J	0.038	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.026	J	0.038	0.0073	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.015	J	0.038	0.0098	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.018	J	0.038	0.012	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.50	J	1.1	0.22	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.2		0.56	0.19	mg/Kg	1	☼	6010B	Total/NA
Barium	46		0.56	0.064	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.80		0.23	0.053	mg/Kg	1	☼	6010B	Total/NA
Boron	8.7	B	2.8	0.26	mg/Kg	1	☼	6010B	Total/NA
Calcium	64000	B	56	9.6	mg/Kg	5	☼	6010B	Total/NA
Chromium	18	B	0.56	0.28	mg/Kg	1	☼	6010B	Total/NA
Cobalt	11		0.28	0.074	mg/Kg	1	☼	6010B	Total/NA
Copper	20	B	0.56	0.16	mg/Kg	1	☼	6010B	Total/NA
Iron	18000	B	11	5.9	mg/Kg	1	☼	6010B	Total/NA
Lead	14		0.28	0.13	mg/Kg	1	☼	6010B	Total/NA
Magnesium	25000	B	5.6	2.8	mg/Kg	1	☼	6010B	Total/NA
Manganese	470	B	0.56	0.082	mg/Kg	1	☼	6010B	Total/NA
Nickel	28		0.56	0.16	mg/Kg	1	☼	6010B	Total/NA
Potassium	2100		28	10	mg/Kg	1	☼	6010B	Total/NA
Silver	0.27	J	0.28	0.073	mg/Kg	1	☼	6010B	Total/NA
Sodium	1400		56	8.3	mg/Kg	1	☼	6010B	Total/NA
Vanadium	21	B	0.28	0.067	mg/Kg	1	☼	6010B	Total/NA
Zinc	63	^2	1.1	0.50	mg/Kg	1	☼	6010B	Total/NA
Barium	0.34	J	0.50	0.050	mg/L	1		6010B	TCLP
Boron	0.064	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.083		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.056	J	0.50	0.020	mg/L	1		6010B	TCLP
Mercury	0.032		0.017	0.0058	mg/Kg	1	☼	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 3630V-04-B03 (4-8) — Lab Sample ID: 500-213883-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.011	J	0.040	0.0056	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.025	J	0.040	0.0074	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.019	J	0.040	0.0079	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.0099	J	0.040	0.0054	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.014	J	0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.022	J	0.040	0.0086	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.016	J	0.040	0.0077	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.47	J	1.2	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.8		0.59	0.20	mg/Kg	1	☼	6010B	Total/NA
Barium	69		0.59	0.067	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.83		0.23	0.055	mg/Kg	1	☼	6010B	Total/NA
Boron	5.1	B	2.9	0.27	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 3630V-04-B03 (4-8) (Continued) Lab Sample ID: 500-213883-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	30000	B	12	2.0	mg/Kg	1	☼	6010B	Total/NA
Chromium	18	B	0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
Cobalt	13		0.29	0.077	mg/Kg	1	☼	6010B	Total/NA
Copper	20	B	0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Iron	19000	B	12	6.1	mg/Kg	1	☼	6010B	Total/NA
Lead	19		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	19000	B	5.9	2.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	480	B	0.59	0.085	mg/Kg	1	☼	6010B	Total/NA
Nickel	26		0.59	0.17	mg/Kg	1	☼	6010B	Total/NA
Potassium	1600		29	10	mg/Kg	1	☼	6010B	Total/NA
Silver	0.32		0.29	0.076	mg/Kg	1	☼	6010B	Total/NA
Sodium	2100		59	8.7	mg/Kg	1	☼	6010B	Total/NA
Vanadium	23	B	0.29	0.069	mg/Kg	1	☼	6010B	Total/NA
Zinc	66	^2	1.2	0.51	mg/Kg	1	☼	6010B	Total/NA
Barium	0.32	J	0.50	0.050	mg/L	1		6010B	TCLP
Boron	0.082	J	0.50	0.050	mg/L	1		6010B	TCLP
Iron	0.27	J	0.40	0.20	mg/L	1		6010B	TCLP
Manganese	0.82		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.050	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	2.6		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.033		0.019	0.0064	mg/Kg	1	☼	7471B	Total/NA
pH	7.5		0.2	0.2	SU	1		9045D	Total/NA

Client Sample ID: 3630V-04-B04 (0-1) Lab Sample ID: 500-213883-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.011	J	0.040	0.0057	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.024	J	0.040	0.0075	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.018	J	0.040	0.0081	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.0099	J	0.040	0.0055	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.011	J	0.040	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.018	J	0.040	0.0088	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.013	J	0.040	0.0078	mg/Kg	1	☼	8270D	Total/NA
Antimony	0.52	J	1.2	0.23	mg/Kg	1	☼	6010B	Total/NA
Arsenic	6.5		0.59	0.20	mg/Kg	1	☼	6010B	Total/NA
Barium	77		0.59	0.067	mg/Kg	1	☼	6010B	Total/NA
Beryllium	0.78		0.24	0.055	mg/Kg	1	☼	6010B	Total/NA
Boron	4.4	B	2.9	0.27	mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.044	J B	0.12	0.021	mg/Kg	1	☼	6010B	Total/NA
Calcium	9100	B	12	2.0	mg/Kg	1	☼	6010B	Total/NA
Chromium	15	B	0.59	0.29	mg/Kg	1	☼	6010B	Total/NA
Cobalt	9.8		0.29	0.077	mg/Kg	1	☼	6010B	Total/NA
Copper	15	B	0.59	0.16	mg/Kg	1	☼	6010B	Total/NA
Iron	18000	B	12	6.1	mg/Kg	1	☼	6010B	Total/NA
Lead	26		0.29	0.14	mg/Kg	1	☼	6010B	Total/NA
Magnesium	5600	B	5.9	2.9	mg/Kg	1	☼	6010B	Total/NA
Manganese	590	B	0.59	0.085	mg/Kg	1	☼	6010B	Total/NA
Nickel	20		0.59	0.17	mg/Kg	1	☼	6010B	Total/NA
Potassium	1200		29	10	mg/Kg	1	☼	6010B	Total/NA
Selenium	0.51	J	0.59	0.35	mg/Kg	1	☼	6010B	Total/NA
Silver	0.34		0.29	0.076	mg/Kg	1	☼	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 3630V-04-B04 (0-1) (Continued) Lab Sample ID: 500-213883-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	510		59	8.7	mg/Kg	1	☼	6010B	Total/NA
Vanadium	24	B	0.29	0.069	mg/Kg	1	☼	6010B	Total/NA
Zinc	63	^2	1.2	0.52	mg/Kg	1	☼	6010B	Total/NA
Barium	0.41	J	0.50	0.050	mg/L	1		6010B	TCLP
Boron	0.073	J	0.50	0.050	mg/L	1		6010B	TCLP
Manganese	0.67		0.025	0.010	mg/L	1		6010B	TCLP
Zinc	0.027	J	0.50	0.020	mg/L	1		6010B	TCLP
Manganese	0.92		0.025	0.010	mg/L	1		6010B	SPLP East
Mercury	0.055		0.019	0.0062	mg/Kg	1	☼	7471B	Total/NA
pH	8.6		0.2	0.2	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

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	TCLP Mercury	SW846	TAL CHI
7471B	Mercury (CVAA)	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

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 Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-213883-1	3630V-04-B01 (0-4)	Solid	03/18/22 09:20	03/18/22 14:15
500-213883-2	3630V-04-B01 (4-8)	Solid	03/18/22 09:45	03/18/22 14:15
500-213883-3	3630V-04-B02 (0-1)	Solid	03/18/22 08:40	03/18/22 14:15
500-213883-4	3630V-04-B03 (0-4)	Solid	03/18/22 09:00	03/18/22 14:15
500-213883-5	3630V-04-B03 (0-4)D	Solid	03/18/22 09:00	03/18/22 14:15
500-213883-6	3630V-04-B03 (4-8)	Solid	03/18/22 09:15	03/18/22 14:15
500-213883-7	3630V-04-B04 (0-1)	Solid	03/18/22 10:00	03/18/22 14:15

Client Sample ID: 3630V-04-B01 (0-4)
Date Collected: 03/18/22 09:20
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-1
Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.017		0.017	0.0076	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Benzene	<0.0017		0.0017	0.00044	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Bromodichloromethane	<0.0017		0.0017	0.00035	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Bromoform	<0.0017		0.0017	0.00051	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Bromomethane	<0.0043		0.0043	0.0016	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
2-Butanone (MEK)	<0.0043		0.0043	0.0019	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Carbon disulfide	<0.0043		0.0043	0.00090	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Carbon tetrachloride	<0.0017		0.0017	0.00050	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Chlorobenzene	<0.0017		0.0017	0.00064	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Chloroethane	<0.0043		0.0043	0.0013	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Chloroform	<0.0017		0.0017	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Chloromethane	<0.0043		0.0043	0.0017	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
cis-1,2-Dichloroethene	<0.0017		0.0017	0.00049	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
cis-1,3-Dichloropropene	<0.0017		0.0017	0.00052	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Dibromochloromethane	<0.0017		0.0017	0.00057	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
1,1-Dichloroethane	<0.0017		0.0017	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
1,2-Dichloroethane	<0.0043		0.0043	0.0014	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
1,1-Dichloroethene	<0.0017		0.0017	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
1,2-Dichloropropane	<0.0017		0.0017	0.00045	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
1,3-Dichloropropene, Total	<0.0017		0.0017	0.00061	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Ethylbenzene	<0.0017		0.0017	0.00083	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
2-Hexanone	<0.0043		0.0043	0.0014	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Methylene Chloride	<0.0043		0.0043	0.0017	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
4-Methyl-2-pentanone (MIBK)	<0.0043		0.0043	0.0013	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Methyl tert-butyl ether	<0.0017		0.0017	0.00051	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Styrene	<0.0017		0.0017	0.00053	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
1,1,2,2-Tetrachloroethane	<0.0017		0.0017	0.00056	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Tetrachloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Toluene	<0.0017		0.0017	0.00044	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
trans-1,2-Dichloroethene	<0.0017		0.0017	0.00077	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
trans-1,3-Dichloropropene	<0.0017		0.0017	0.00061	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
1,1,1-Trichloroethane	<0.0017		0.0017	0.00058	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
1,1,2-Trichloroethane	<0.0017		0.0017	0.00075	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Trichloroethene	<0.0017		0.0017	0.00059	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Vinyl acetate	<0.0043		0.0043	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Vinyl chloride	<0.0017		0.0017	0.00077	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1
Xylenes, Total	<0.0035		0.0035	0.00056	mg/Kg	☼	03/18/22 18:14	03/27/22 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*75 - 131*	*03/18/22 18:14*	*03/27/22 17:02*	*1*
Dibromofluoromethane	*106*		*75 - 126*	*03/18/22 18:14*	*03/27/22 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*03/18/22 18:14*	*03/27/22 17:02*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*03/18/22 18:14*	*03/27/22 17:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.19		0.19	0.083	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1

Client: Environmental Design International, Inc. Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Client Sample ID: 3630V-04-B01 (0-4) **Lab Sample ID: 500-213883-1**
Date Collected: 03/18/22 09:20 **Matrix: Solid**
Date Received: 03/18/22 14:15 **Percent Solids: 87.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2,4-Dichlorophenol	<0.37		0.37	0.089	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
4-Chloroaniline	<0.75		0.75	0.18	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Acenaphthene	<0.037		0.037	0.0067	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
4-Nitrophenol	<0.75		0.75	0.36	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Fluorene	<0.037		0.037	0.0053	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Hexachlorobenzene	<0.075		0.075	0.0087	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Phenanthrene	**0.018**	**J**	0.037	0.0052	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Anthracene	<0.037		0.037	0.0062	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Fluoranthene	**0.039**		0.037	0.0069	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Pyrene	**0.029**	**J**	0.037	0.0074	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Butyl benzyl phthalate	<0.19		0.19	0.071	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Benzo[a]anthracene	**0.014**	**J**	0.037	0.0050	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1

Client Sample ID: 3630V-04-B01 (0-4)
Date Collected: 03/18/22 09:20
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-1
Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**0.020**	**J**	0.037	0.010	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Benzo[b]fluoranthene	**0.023**	**J**	0.037	0.0081	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Benzo[k]fluoranthene	**0.011**	**J**	0.037	0.011	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Benzo[a]pyrene	**0.018**	**J**	0.037	0.0072	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Indeno[1,2,3-cd]pyrene	**0.016**	**J**	0.037	0.0097	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Dibenz(a,h)anthracene	<0.037		0.037	0.0072	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
Benzo[g,h,i]perylene	**0.016**	**J**	0.037	0.012	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	03/30/22 06:56	03/31/22 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*92*		*31 - 166*	*03/30/22 06:56*	*03/31/22 17:43*	*1*
Phenol-d5	*84*		*30 - 153*	*03/30/22 06:56*	*03/31/22 17:43*	*1*
Nitrobenzene-d5 (Surr)	*60*		*37 - 147*	*03/30/22 06:56*	*03/31/22 17:43*	*1*
2-Fluorobiphenyl (Surr)	*70*		*43 - 145*	*03/30/22 06:56*	*03/31/22 17:43*	*1*
2,4,6-Tribromophenol	*70*		*31 - 143*	*03/30/22 06:56*	*03/31/22 17:43*	*1*
Terphenyl-d14 (Surr)	*84*		*42 - 157*	*03/30/22 06:56*	*03/31/22 17:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.43**	**J**	1.1	0.21	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Arsenic	**7.3**		0.54	0.19	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Barium	**36**		0.54	0.062	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Beryllium	**0.68**		0.22	0.051	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Boron	**7.7**	**B**	2.7	0.25	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Cadmium	**0.031**	**J B**	0.11	0.020	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Calcium	**66000**	**B**	54	9.2	mg/Kg	☼	03/27/22 21:49	03/29/22 11:41	5
Chromium	**14**	**B**	0.54	0.27	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Cobalt	**11**		0.27	0.071	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Copper	**24**	**B**	0.54	0.15	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Iron	**19000**	**B**	11	5.7	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Lead	**17**		0.27	0.13	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Magnesium	**30000**	**B**	5.4	2.7	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Manganese	**530**	**B**	0.54	0.079	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Nickel	**27**		0.54	0.16	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Potassium	**1700**		27	9.6	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Silver	**0.21**	**J**	0.27	0.070	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Sodium	**1100**		54	8.0	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Vanadium	**17**	**B**	0.27	0.064	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1
Zinc	**64**	**^2**	1.1	0.48	mg/Kg	☼	03/27/22 21:49	03/28/22 19:02	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.34**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/22 08:53	03/29/22 18:19	1
Boron	**0.071**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:19	1

Client Sample ID: 3630V-04-B01 (0-4)
Date Collected: 03/18/22 09:20
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-1
Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/22 08:53	03/29/22 18:19	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:19	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:19	1
Iron	<0.40		0.40	0.20	mg/L		03/29/22 08:53	03/29/22 18:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/22 08:53	03/29/22 18:19	1
Manganese	**0.30**		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:19	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:19	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/22 08:53	03/29/22 18:19	1
Silver	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:19	1
Zinc	**0.20**	**J**	0.50	0.020	mg/L		03/29/22 08:53	03/29/22 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.79**		0.025	0.010	mg/L		03/29/22 08:57	03/30/22 18:31	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		03/29/22 08:53	03/29/22 17:45	1
Thallium	<0.0020		0.0020	0.0020	mg/L		03/29/22 08:53	03/29/22 17:45	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		03/28/22 15:25	03/29/22 10:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**		0.017	0.0057	mg/Kg	☼	03/29/22 14:25	03/30/22 08:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.6**		0.2	0.2	SU			03/25/22 18:13	1

Client: Environmental Design International, Inc.
Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Client Sample ID: 3630V-04-B01 (4-8)
Lab Sample ID: 500-213883-2
Date Collected: 03/18/22 09:45
Matrix: Solid
Date Received: 03/18/22 14:15
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.018		0.018	0.0077	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Benzene	<0.0018		0.0018	0.00045	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Bromodichloromethane	<0.0018		0.0018	0.00036	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Bromoform	<0.0018		0.0018	0.00052	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Bromomethane	<0.0044		0.0044	0.0017	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
2-Butanone (MEK)	<0.0044		0.0044	0.0020	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Carbon disulfide	<0.0044		0.0044	0.00092	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Carbon tetrachloride	<0.0018		0.0018	0.00052	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Chlorobenzene	<0.0018		0.0018	0.00066	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Chloroethane	<0.0044		0.0044	0.0013	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Chloroform	<0.0018		0.0018	0.00062	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Chloromethane	<0.0044		0.0044	0.0018	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
cis-1,2-Dichloroethene	<0.0018		0.0018	0.00050	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
cis-1,3-Dichloropropene	<0.0018		0.0018	0.00054	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Dibromochloromethane	<0.0018		0.0018	0.00058	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
1,1-Dichloroethane	<0.0018		0.0018	0.00061	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
1,2-Dichloroethane	<0.0044		0.0044	0.0014	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
1,1-Dichloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
1,2-Dichloropropane	<0.0018		0.0018	0.00046	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
1,3-Dichloropropene, Total	<0.0018		0.0018	0.00062	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Ethylbenzene	<0.0018		0.0018	0.00085	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
2-Hexanone	<0.0044		0.0044	0.0014	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Methylene Chloride	<0.0044		0.0044	0.0018	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
4-Methyl-2-pentanone (MIBK)	<0.0044		0.0044	0.0013	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Methyl tert-butyl ether	<0.0018		0.0018	0.00052	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Styrene	<0.0018		0.0018	0.00054	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
1,1,2,2-Tetrachloroethane	<0.0018		0.0018	0.00057	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Tetrachloroethene	<0.0018		0.0018	0.00061	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Toluene	<0.0018		0.0018	0.00045	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
trans-1,2-Dichloroethene	<0.0018		0.0018	0.00079	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
trans-1,3-Dichloropropene	<0.0018		0.0018	0.00062	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
1,1,1-Trichloroethane	<0.0018		0.0018	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
1,1,2-Trichloroethane	<0.0018		0.0018	0.00076	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Trichloroethene	<0.0018		0.0018	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Vinyl acetate	<0.0044		0.0044	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Vinyl chloride	<0.0018		0.0018	0.00079	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1
Xylenes, Total	<0.0036		0.0036	0.00057	mg/Kg	☼	03/18/22 18:14	03/27/22 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*03/18/22 18:14*	*03/27/22 17:28*	*1*
Dibromofluoromethane	*106*		*75 - 126*	*03/18/22 18:14*	*03/27/22 17:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*	*03/18/22 18:14*	*03/27/22 17:28*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*03/18/22 18:14*	*03/27/22 17:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.18		0.18	0.079	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Bis(2-chloroethyl)ether	<0.18		0.18	0.054	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
1,3-Dichlorobenzene	<0.18		0.18	0.040	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
1,4-Dichlorobenzene	<0.18		0.18	0.046	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1

Client: Environmental Design International, Inc.
Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Client Sample ID: 3630V-04-B01 (4-8)
Lab Sample ID: 500-213883-2
Date Collected: 03/18/22 09:45
Matrix: Solid
Date Received: 03/18/22 14:15
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.18		0.18	0.043	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2-Methylphenol	<0.18		0.18	0.057	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2,2'-oxybis[1-chloropropane]	<0.18		0.18	0.041	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
N-Nitrosodi-n-propylamine	<0.072		0.072	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Hexachloroethane	<0.18		0.18	0.054	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2-Chlorophenol	<0.18		0.18	0.061	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Nitrobenzene	<0.036		0.036	0.0089	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Bis(2-chloroethoxy)methane	<0.18		0.18	0.036	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
1,2,4-Trichlorobenzene	<0.18		0.18	0.039	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Isophorone	<0.18		0.18	0.040	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2,4-Dimethylphenol	<0.36		0.36	0.14	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Hexachlorobutadiene	<0.18		0.18	0.056	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Naphthalene	<0.036		0.036	0.0055	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2,4-Dichlorophenol	<0.36		0.36	0.085	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
4-Chloroaniline	<0.72		0.72	0.17	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2,4,6-Trichlorophenol	<0.36		0.36	0.12	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2,4,5-Trichlorophenol	<0.36		0.36	0.082	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Hexachlorocyclopentadiene	<0.72		0.72	0.21	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2-Methylnaphthalene	<0.072		0.072	0.0066	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2-Nitroaniline	<0.18		0.18	0.048	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2-Chloronaphthalene	<0.18		0.18	0.039	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
4-Chloro-3-methylphenol	<0.36		0.36	0.12	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2,6-Dinitrotoluene	<0.18		0.18	0.070	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2-Nitrophenol	<0.36		0.36	0.084	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
3-Nitroaniline	<0.36		0.36	0.11	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Dimethyl phthalate	<0.18		0.18	0.047	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2,4-Dinitrophenol	<0.72		0.72	0.63	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Acenaphthylene	<0.036		0.036	0.0047	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
2,4-Dinitrotoluene	<0.18		0.18	0.057	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Acenaphthene	<0.036		0.036	0.0064	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Dibenzofuran	<0.18		0.18	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
4-Nitrophenol	<0.72		0.72	0.34	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Fluorene	<0.036		0.036	0.0050	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
4-Nitroaniline	<0.36		0.36	0.15	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
4-Bromophenyl phenyl ether	<0.18		0.18	0.047	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Hexachlorobenzene	<0.072		0.072	0.0083	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Diethyl phthalate	<0.18		0.18	0.061	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
4-Chlorophenyl phenyl ether	<0.18		0.18	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Pentachlorophenol	<0.72		0.72	0.57	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
N-Nitrosodiphenylamine	<0.18		0.18	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
4,6-Dinitro-2-methylphenol	<0.72		0.72	0.29	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Phenanthrene	**0.011**	**J**	0.036	0.0050	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Anthracene	<0.036		0.036	0.0060	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Carbazole	<0.18		0.18	0.089	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Di-n-butyl phthalate	<0.18		0.18	0.054	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Fluoranthene	**0.032**	**J**	0.036	0.0066	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Pyrene	**0.025**	**J**	0.036	0.0071	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Butyl benzyl phthalate	<0.18		0.18	0.068	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Benzo[a]anthracene	**0.013**	**J**	0.036	0.0048	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1

Client Sample ID: 3630V-04-B01 (4-8)
Date Collected: 03/18/22 09:45
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-2
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**0.015**	**J**	0.036	0.0097	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
3,3'-Dichlorobenzidine	<0.18		0.18	0.050	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Bis(2-ethylhexyl) phthalate	<0.18		0.18	0.065	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Di-n-octyl phthalate	<0.18		0.18	0.058	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Benzo[b]fluoranthene	**0.021**	**J**	0.036	0.0077	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Benzo[k]fluoranthene	<0.036		0.036	0.011	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Benzo[a]pyrene	**0.015**	**J**	0.036	0.0069	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Indeno[1,2,3-cd]pyrene	**0.011**	**J**	0.036	0.0093	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Dibenz(a,h)anthracene	<0.036		0.036	0.0069	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
Benzo[g,h,i]perylene	**0.012**	**J**	0.036	0.012	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1
3 & 4 Methylphenol	<0.18		0.18	0.060	mg/Kg	☼	03/30/22 06:56	03/31/22 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*90*		*31 - 166*	*03/30/22 06:56*	*03/31/22 18:06*	*1*
Phenol-d5	*84*		*30 - 153*	*03/30/22 06:56*	*03/31/22 18:06*	*1*
Nitrobenzene-d5 (Surr)	*56*		*37 - 147*	*03/30/22 06:56*	*03/31/22 18:06*	*1*
2-Fluorobiphenyl (Surr)	*67*		*43 - 145*	*03/30/22 06:56*	*03/31/22 18:06*	*1*
2,4,6-Tribromophenol	*81*		*31 - 143*	*03/30/22 06:56*	*03/31/22 18:06*	*1*
Terphenyl-d14 (Surr)	*95*		*42 - 157*	*03/30/22 06:56*	*03/31/22 18:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J**	1.1	0.21	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Arsenic	**7.0**		0.55	0.19	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Barium	**37**		0.55	0.062	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Beryllium	**0.65**		0.22	0.051	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Boron	**6.9**	**B**	2.7	0.25	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Cadmium	**0.025**	**J B**	0.11	0.020	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Calcium	**62000**	**B**	55	9.3	mg/Kg	☼	03/27/22 21:49	03/29/22 11:44	5
Chromium	**13**	**B**	0.55	0.27	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Cobalt	**11**		0.27	0.072	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Copper	**21**	**B**	0.55	0.15	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Iron	**17000**	**B**	11	5.7	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Lead	**15**		0.27	0.13	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Magnesium	**27000**	**B**	5.5	2.7	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Manganese	**570**	**B**	0.55	0.079	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Nickel	**26**		0.55	0.16	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Potassium	**1300**		27	9.7	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Selenium	<0.55		0.55	0.32	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Silver	**0.28**		0.27	0.071	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Sodium	**1400**		55	8.1	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Thallium	<0.55		0.55	0.27	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Vanadium	**18**	**B**	0.27	0.065	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1
Zinc	**60**	**^2**	1.1	0.48	mg/Kg	☼	03/27/22 21:49	03/28/22 19:05	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.33**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/22 08:53	03/29/22 18:22	1
Boron	**0.075**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:22	1

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B01 (4-8)
Date Collected: 03/18/22 09:45
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-2
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/22 08:53	03/29/22 18:22	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:22	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:22	1
Iron	<0.40		0.40	0.20	mg/L		03/29/22 08:53	03/29/22 18:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/22 08:53	03/29/22 18:22	1
Manganese	**0.77**		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:22	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:22	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/22 08:53	03/29/22 18:22	1
Silver	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:22	1
Zinc	**0.31**	**J**	0.50	0.020	mg/L		03/29/22 08:53	03/29/22 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.4**		0.025	0.010	mg/L		03/29/22 08:57	03/30/22 18:34	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		03/29/22 08:53	03/29/22 17:47	1
Thallium	<0.0020		0.0020	0.0020	mg/L		03/29/22 08:53	03/29/22 17:47	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		03/28/22 15:25	03/29/22 10:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**		0.018	0.0060	mg/Kg	☼	03/29/22 14:25	03/30/22 09:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.9**		0.2	0.2	SU			03/25/22 18:18	1

Client Sample ID: 3630V-04-B02 (0-1)
Date Collected: 03/18/22 08:40
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-3
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0087	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
2-Butanone (MEK)	<0.0050		0.0050	0.0022	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
1,1-Dichloroethane	<0.0020		0.0020	0.00068	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Ethylbenzene	<0.0020		0.0020	0.00095	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00088	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Vinyl acetate	<0.0050		0.0050	0.0017	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Vinyl chloride	<0.0020		0.0020	0.00088	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg	☼	03/18/22 18:14	03/27/22 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*	*03/18/22 18:14*	*03/27/22 17:54*	*1*
Dibromofluoromethane	*106*		*75 - 126*	*03/18/22 18:14*	*03/27/22 17:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*	*03/18/22 18:14*	*03/27/22 17:54*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*03/18/22 18:14*	*03/27/22 17:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.19		0.19	0.083	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.056	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
1,3-Dichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B02 (0-1)
Date Collected: 03/18/22 08:40
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-3
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2-Methylphenol	<0.19		0.19	0.060	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.043	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
N-Nitrosodi-n-propylamine	<0.075		0.075	0.046	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Nitrobenzene	<0.037		0.037	0.0093	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.038	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.040	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2,4-Dimethylphenol	<0.37		0.37	0.14	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Naphthalene	<0.037		0.037	0.0057	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2,4-Dichlorophenol	<0.37		0.37	0.088	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
4-Chloroaniline	<0.75		0.75	0.17	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2,4,6-Trichlorophenol	<0.37		0.37	0.13	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2,4,5-Trichlorophenol	<0.37		0.37	0.085	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Hexachlorocyclopentadiene	<0.75		0.75	0.21	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2-Methylnaphthalene	<0.075		0.075	0.0069	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2-Nitroaniline	<0.19		0.19	0.050	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2-Chloronaphthalene	<0.19		0.19	0.041	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
4-Chloro-3-methylphenol	<0.37		0.37	0.13	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2,6-Dinitrotoluene	<0.19		0.19	0.073	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2-Nitrophenol	<0.37		0.37	0.088	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
3-Nitroaniline	<0.37		0.37	0.12	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2,4-Dinitrophenol	<0.75		0.75	0.66	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Acenaphthylene	<0.037		0.037	0.0049	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
2,4-Dinitrotoluene	<0.19		0.19	0.059	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Acenaphthene	**0.014**	**J**	0.037	0.0067	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
4-Nitrophenol	<0.75		0.75	0.35	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Fluorene	**0.011**	**J**	0.037	0.0052	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
4-Nitroaniline	<0.37		0.37	0.16	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.049	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Hexachlorobenzene	<0.075		0.075	0.0086	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Diethyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Pentachlorophenol	<0.75		0.75	0.60	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
N-Nitrosodiphenylamine	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
4,6-Dinitro-2-methylphenol	<0.75		0.75	0.30	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Phenanthrene	**0.18**		0.037	0.0052	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Anthracene	**0.046**		0.037	0.0062	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Carbazole	<0.19		0.19	0.093	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Di-n-butyl phthalate	<0.19		0.19	0.057	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Fluoranthene	**0.54**		0.037	0.0069	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Pyrene	**0.37**		0.037	0.0074	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Butyl benzyl phthalate	**0.56**		0.19	0.071	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Benzo[a]anthracene	**0.20**		0.037	0.0050	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1

Client Sample ID: 3630V-04-B02 (0-1)
Date Collected: 03/18/22 08:40
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-3
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**0.24**		0.037	0.010	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.052	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.068	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Di-n-octyl phthalate	<0.19		0.19	0.061	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Benzo[b]fluoranthene	**0.33**		0.037	0.0080	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Benzo[k]fluoranthene	**0.13**		0.037	0.011	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Benzo[a]pyrene	**0.26**		0.037	0.0072	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Indeno[1,2,3-cd]pyrene	**0.12**		0.037	0.0097	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Dibenz(a,h)anthracene	**0.034**	**J**	0.037	0.0072	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
Benzo[g,h,i]perylene	**0.15**		0.037	0.012	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1
3 & 4 Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	03/30/22 06:56	03/31/22 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*92*		*31 - 166*	*03/30/22 06:56*	*03/31/22 18:31*	*1*
Phenol-d5	*88*		*30 - 153*	*03/30/22 06:56*	*03/31/22 18:31*	*1*
Nitrobenzene-d5 (Surr)	*57*		*37 - 147*	*03/30/22 06:56*	*03/31/22 18:31*	*1*
2-Fluorobiphenyl (Surr)	*64*		*43 - 145*	*03/30/22 06:56*	*03/31/22 18:31*	*1*
2,4,6-Tribromophenol	*74*		*31 - 143*	*03/30/22 06:56*	*03/31/22 18:31*	*1*
Terphenyl-d14 (Surr)	*85*		*42 - 157*	*03/30/22 06:56*	*03/31/22 18:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.58**	**J**	1.2	0.23	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Arsenic	**7.1**		0.58	0.20	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Barium	**33**		0.58	0.066	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Beryllium	**0.70**		0.23	0.054	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Boron	**6.3**	**B**	2.9	0.27	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Cadmium	**0.073**	**J B**	0.12	0.021	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Calcium	**77000**	**B**	58	9.8	mg/Kg	☼	03/27/22 21:49	03/29/22 11:47	5
Chromium	**15**	**B**	0.58	0.29	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Cobalt	**11**		0.29	0.076	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Copper	**29**	**B**	0.58	0.16	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Iron	**20000**	**B**	12	6.0	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Lead	**40**		0.29	0.13	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Magnesium	**31000**	**B**	5.8	2.9	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Manganese	**560**	**B**	0.58	0.084	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Nickel	**25**		0.58	0.17	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Potassium	**1500**		29	10	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Silver	**0.24**	**J**	0.29	0.075	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Sodium	**760**		58	8.6	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Vanadium	**18**	**B**	0.29	0.068	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1
Zinc	**90**	**^2**	1.2	0.51	mg/Kg	☼	03/27/22 21:49	03/28/22 19:09	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.25**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/22 08:53	03/29/22 18:25	1
Boron	**0.069**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:25	1

Client Sample ID: 3630V-04-B02 (0-1)
Date Collected: 03/18/22 08:40
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-3
Matrix: Solid
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/22 08:53	03/29/22 18:25	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:25	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:25	1
Iron	<0.40		0.40	0.20	mg/L		03/29/22 08:53	03/29/22 18:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/22 08:53	03/29/22 18:25	1
Manganese	**0.11**		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:25	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:25	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/22 08:53	03/29/22 18:25	1
Silver	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:25	1
Zinc	**0.42**	**J**	0.50	0.020	mg/L		03/29/22 08:53	03/29/22 18:25	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		03/29/22 08:53	03/29/22 17:49	1
Thallium	<0.0020		0.0020	0.0020	mg/L		03/29/22 08:53	03/29/22 17:49	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		03/28/22 15:25	03/29/22 10:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**		0.018	0.0060	mg/Kg	☼	03/29/22 14:25	03/30/22 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**		0.2	0.2	SU			03/25/22 18:20	1

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B03 (0-4)
Date Collected: 03/18/22 09:00
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-4
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.019		0.019	0.0081	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Benzene	<0.0019		0.0019	0.00047	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Bromodichloromethane	<0.0019		0.0019	0.00038	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Bromoform	<0.0019		0.0019	0.00054	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Bromomethane	<0.0047		0.0047	0.0018	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
2-Butanone (MEK)	<0.0047		0.0047	0.0021	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Carbon disulfide	<0.0047		0.0047	0.00097	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Carbon tetrachloride	<0.0019		0.0019	0.00054	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Chlorobenzene	<0.0019		0.0019	0.00069	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Chloroethane	<0.0047		0.0047	0.0014	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Chloroform	<0.0019		0.0019	0.00065	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Chloromethane	<0.0047		0.0047	0.0019	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
cis-1,2-Dichloroethene	<0.0019		0.0019	0.00052	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
cis-1,3-Dichloropropene	<0.0019		0.0019	0.00056	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Dibromochloromethane	<0.0019		0.0019	0.00061	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
1,1-Dichloroethane	<0.0019		0.0019	0.00064	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
1,2-Dichloroethane	<0.0047		0.0047	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
1,1-Dichloroethene	<0.0019		0.0019	0.00064	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
1,2-Dichloropropane	<0.0019		0.0019	0.00048	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
1,3-Dichloropropene, Total	<0.0019		0.0019	0.00065	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Ethylbenzene	<0.0019		0.0019	0.00089	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
2-Hexanone	<0.0047		0.0047	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Methylene Chloride	<0.0047		0.0047	0.0018	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
4-Methyl-2-pentanone (MIBK)	<0.0047		0.0047	0.0014	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Methyl tert-butyl ether	<0.0019		0.0019	0.00055	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Styrene	<0.0019		0.0019	0.00056	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
1,1,2,2-Tetrachloroethane	<0.0019		0.0019	0.00059	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Tetrachloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Toluene	<0.0019		0.0019	0.00047	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
trans-1,2-Dichloroethene	<0.0019		0.0019	0.00082	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
trans-1,3-Dichloropropene	<0.0019		0.0019	0.00065	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
1,1,1-Trichloroethane	<0.0019		0.0019	0.00062	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
1,1,2-Trichloroethane	<0.0019		0.0019	0.00080	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Trichloroethene	<0.0019		0.0019	0.00063	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Vinyl acetate	<0.0047		0.0047	0.0016	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Vinyl chloride	<0.0019		0.0019	0.00082	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1
Xylenes, Total	<0.0037		0.0037	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*75 - 131*	*03/18/22 18:14*	*03/27/22 18:20*	*1*
Dibromofluoromethane	*104*		*75 - 126*	*03/18/22 18:14*	*03/27/22 18:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*03/18/22 18:14*	*03/27/22 18:20*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*03/18/22 18:14*	*03/27/22 18:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.19		0.19	0.086	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.058	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
1,3-Dichlorobenzene	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
1,4-Dichlorobenzene	<0.19		0.19	0.050	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B03 (0-4)
Date Collected: 03/18/22 09:00
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-4
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.19		0.19	0.046	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2-Methylphenol	<0.19		0.19	0.062	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
N-Nitrosodi-n-propylamine	<0.078		0.078	0.047	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Hexachloroethane	<0.19		0.19	0.059	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2-Chlorophenol	<0.19		0.19	0.066	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Nitrobenzene	<0.039		0.039	0.0097	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.040	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Isophorone	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2,4-Dimethylphenol	<0.39		0.39	0.15	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Hexachlorobutadiene	<0.19		0.19	0.061	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Naphthalene	<0.039		0.039	0.0060	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2,4-Dichlorophenol	<0.39		0.39	0.092	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
4-Chloroaniline	<0.78		0.78	0.18	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2,4,6-Trichlorophenol	<0.39		0.39	0.13	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2,4,5-Trichlorophenol	<0.39		0.39	0.088	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Hexachlorocyclopentadiene	<0.78		0.78	0.22	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2-Methylnaphthalene	<0.078		0.078	0.0071	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2-Nitroaniline	<0.19		0.19	0.052	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2-Chloronaphthalene	<0.19		0.19	0.043	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
4-Chloro-3-methylphenol	<0.39		0.39	0.13	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2,6-Dinitrotoluene	<0.19		0.19	0.076	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2-Nitrophenol	<0.39		0.39	0.092	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
3-Nitroaniline	<0.39		0.39	0.12	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Dimethyl phthalate	<0.19		0.19	0.051	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2,4-Dinitrophenol	<0.78		0.78	0.68	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Acenaphthylene	<0.039		0.039	0.0051	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
2,4-Dinitrotoluene	<0.19		0.19	0.062	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Acenaphthene	<0.039		0.039	0.0070	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Dibenzofuran	<0.19		0.19	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
4-Nitrophenol	<0.78		0.78	0.37	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Fluorene	<0.039		0.039	0.0055	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
4-Nitroaniline	<0.39		0.39	0.16	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.051	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Hexachlorobenzene	<0.078		0.078	0.0090	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Diethyl phthalate	<0.19		0.19	0.066	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Pentachlorophenol	<0.78		0.78	0.62	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
N-Nitrosodiphenylamine	<0.19		0.19	0.046	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
4,6-Dinitro-2-methylphenol	<0.78		0.78	0.31	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Phenanthrene	<0.039		0.039	0.0054	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Anthracene	<0.039		0.039	0.0065	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Carbazole	<0.19		0.19	0.097	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Di-n-butyl phthalate	<0.19		0.19	0.059	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Fluoranthene	<0.039		0.039	0.0072	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Pyrene	<0.039		0.039	0.0077	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Butyl benzyl phthalate	<0.19		0.19	0.074	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Benzo[a]anthracene	<0.039		0.039	0.0052	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1

Client Sample ID: 3630V-04-B03 (0-4)
Date Collected: 03/18/22 09:00
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-4
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	<0.039		0.039	0.011	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.054	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.071	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Di-n-octyl phthalate	<0.19		0.19	0.063	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Benzo[b]fluoranthene	<0.039		0.039	0.0084	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Benzo[k]fluoranthene	<0.039		0.039	0.011	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Benzo[a]pyrene	<0.039		0.039	0.0075	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Indeno[1,2,3-cd]pyrene	<0.039		0.039	0.010	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Dibenz(a,h)anthracene	<0.039		0.039	0.0075	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
Benzo[g,h,i]perylene	<0.039		0.039	0.012	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1
3 & 4 Methylphenol	<0.19		0.19	0.065	mg/Kg	☼	03/30/22 06:56	03/31/22 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*90*		*31 - 166*	*03/30/22 06:56*	*03/31/22 18:54*	*1*
Phenol-d5	*76*		*30 - 153*	*03/30/22 06:56*	*03/31/22 18:54*	*1*
Nitrobenzene-d5 (Surr)	*61*		*37 - 147*	*03/30/22 06:56*	*03/31/22 18:54*	*1*
2-Fluorobiphenyl (Surr)	*66*		*43 - 145*	*03/30/22 06:56*	*03/31/22 18:54*	*1*
2,4,6-Tribromophenol	*67*		*31 - 143*	*03/30/22 06:56*	*03/31/22 18:54*	*1*
Terphenyl-d14 (Surr)	*77*		*42 - 157*	*03/30/22 06:56*	*03/31/22 18:54*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.63**	**J**	1.2	0.23	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Arsenic	**7.6**		0.60	0.21	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Barium	**60**		0.60	0.069	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Beryllium	**0.95**		0.24	0.056	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Boron	**5.4**	**B**	3.0	0.28	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Cadmium	<0.12		0.12	0.022	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Calcium	**21000**	**B**	12	2.0	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Chromium	**19**	**B**	0.60	0.30	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Cobalt	**13**		0.30	0.079	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Copper	**23**	**B**	0.60	0.17	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Iron	**22000**	**B**	12	6.3	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Lead	**17**		0.30	0.14	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Magnesium	**12000**	**B**	6.0	3.0	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Manganese	**530**	**B**	0.60	0.087	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Nickel	**32**		0.60	0.18	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Potassium	**1800**		30	11	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Selenium	**0.47**	**J**	0.60	0.35	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Silver	**0.38**		0.30	0.078	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Sodium	**2000**		60	8.9	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Thallium	<0.60		0.60	0.30	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Vanadium	**24**	**B**	0.30	0.071	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1
Zinc	**67**	**^2**	1.2	0.53	mg/Kg	☼	03/27/22 21:49	03/28/22 19:13	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.29**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/22 08:53	03/29/22 18:29	1
Boron	**0.21**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:29	1

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B03 (0-4)
Date Collected: 03/18/22 09:00
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-4
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/22 08:53	03/29/22 18:29	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:29	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:29	1
Iron	<0.40		0.40	0.20	mg/L		03/29/22 08:53	03/29/22 18:29	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/22 08:53	03/29/22 18:29	1
Manganese	**0.58**		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:29	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:29	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/22 08:53	03/29/22 18:29	1
Silver	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:29	1
Zinc	<0.50		0.50	0.020	mg/L		03/29/22 08:53	03/29/22 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**1.7**		0.025	0.010	mg/L		03/29/22 08:57	03/30/22 18:37	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		03/29/22 08:53	03/29/22 17:51	1
Thallium	<0.0020		0.0020	0.0020	mg/L		03/29/22 08:53	03/29/22 17:51	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		03/28/22 15:25	03/29/22 10:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**		0.019	0.0062	mg/Kg	☼	03/29/22 14:25	03/30/22 09:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**		0.2	0.2	SU			03/25/22 18:23	1

Client Sample ID: 3630V-04-B03 (0-4)D
Date Collected: 03/18/22 09:00
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-5
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.016		0.016	0.0069	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Benzene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Bromodichloromethane	<0.0016		0.0016	0.00032	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Bromoform	<0.0016		0.0016	0.00046	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Bromomethane	<0.0040		0.0040	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
2-Butanone (MEK)	<0.0040		0.0040	0.0018	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Carbon disulfide	<0.0040		0.0040	0.00082	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Carbon tetrachloride	<0.0016		0.0016	0.00046	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Chlorobenzene	<0.0016		0.0016	0.00058	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Chloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Chloroform	<0.0016		0.0016	0.00055	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Chloromethane	<0.0040		0.0040	0.0016	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
cis-1,2-Dichloroethene	<0.0016		0.0016	0.00044	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
cis-1,3-Dichloropropene	<0.0016		0.0016	0.00048	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Dibromochloromethane	<0.0016		0.0016	0.00052	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
1,1-Dichloroethane	<0.0016		0.0016	0.00054	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
1,2-Dichloroethane	<0.0040		0.0040	0.0012	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
1,1-Dichloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
1,2-Dichloropropane	<0.0016		0.0016	0.00041	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
1,3-Dichloropropene, Total	<0.0016		0.0016	0.00056	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Ethylbenzene	<0.0016		0.0016	0.00076	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
2-Hexanone	<0.0040		0.0040	0.0012	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Methylene Chloride	<0.0040		0.0040	0.0016	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
4-Methyl-2-pentanone (MIBK)	<0.0040		0.0040	0.0012	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Methyl tert-butyl ether	<0.0016		0.0016	0.00046	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Styrene	<0.0016		0.0016	0.00048	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
1,1,2,2-Tetrachloroethane	<0.0016		0.0016	0.00051	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Tetrachloroethene	<0.0016		0.0016	0.00054	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Toluene	<0.0016		0.0016	0.00040	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
trans-1,2-Dichloroethene	<0.0016		0.0016	0.00070	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
trans-1,3-Dichloropropene	<0.0016		0.0016	0.00056	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
1,1,1-Trichloroethane	<0.0016		0.0016	0.00053	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
1,1,2-Trichloroethane	<0.0016		0.0016	0.00068	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Trichloroethene	<0.0016		0.0016	0.00053	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Vinyl acetate	<0.0040		0.0040	0.0014	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Vinyl chloride	<0.0016		0.0016	0.00070	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1
Xylenes, Total	<0.0032		0.0032	0.00051	mg/Kg	☼	03/18/22 18:14	03/27/22 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*75 - 131*	*03/18/22 18:14*	*03/27/22 18:46*	*1*
Dibromofluoromethane	*103*		*75 - 126*	*03/18/22 18:14*	*03/27/22 18:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*	*03/18/22 18:14*	*03/27/22 18:46*	*1*
Toluene-d8 (Surr)	*97*		*75 - 124*	*03/18/22 18:14*	*03/27/22 18:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.19		0.19	0.084	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Bis(2-chloroethyl)ether	<0.19		0.19	0.057	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
1,3-Dichlorobenzene	<0.19		0.19	0.043	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
1,4-Dichlorobenzene	<0.19		0.19	0.048	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B03 (0-4)D
Date Collected: 03/18/22 09:00
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-5
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.19		0.19	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2-Methylphenol	<0.19		0.19	0.061	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2,2'-oxybis[1-chloropropane]	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
N-Nitrosodi-n-propylamine	<0.076		0.076	0.046	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Hexachloroethane	<0.19		0.19	0.057	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2-Chlorophenol	<0.19		0.19	0.064	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Nitrobenzene	<0.038		0.038	0.0094	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Bis(2-chloroethoxy)methane	<0.19		0.19	0.039	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
1,2,4-Trichlorobenzene	<0.19		0.19	0.041	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Isophorone	<0.19		0.19	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2,4-Dimethylphenol	<0.38		0.38	0.14	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Hexachlorobutadiene	<0.19		0.19	0.059	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Naphthalene	<0.038		0.038	0.0058	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2,4-Dichlorophenol	<0.38		0.38	0.090	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
4-Chloroaniline	<0.76		0.76	0.18	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2,4,6-Trichlorophenol	<0.38		0.38	0.13	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2,4,5-Trichlorophenol	<0.38		0.38	0.086	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Hexachlorocyclopentadiene	<0.76		0.76	0.22	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2-Methylnaphthalene	<0.076		0.076	0.0069	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2-Nitroaniline	<0.19		0.19	0.051	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2-Chloronaphthalene	<0.19		0.19	0.042	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
4-Chloro-3-methylphenol	<0.38		0.38	0.13	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2,6-Dinitrotoluene	<0.19		0.19	0.074	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2-Nitrophenol	<0.38		0.38	0.089	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
3-Nitroaniline	<0.38		0.38	0.12	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Dimethyl phthalate	<0.19		0.19	0.049	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2,4-Dinitrophenol	<0.76		0.76	0.67	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Acenaphthylene	<0.038		0.038	0.0050	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
2,4-Dinitrotoluene	<0.19		0.19	0.060	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Acenaphthene	<0.038		0.038	0.0068	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Dibenzofuran	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
4-Nitrophenol	<0.76		0.76	0.36	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Fluorene	<0.038		0.038	0.0053	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
4-Nitroaniline	<0.38		0.38	0.16	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
4-Bromophenyl phenyl ether	<0.19		0.19	0.050	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Hexachlorobenzene	<0.076		0.076	0.0088	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Diethyl phthalate	<0.19		0.19	0.064	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
4-Chlorophenyl phenyl ether	<0.19		0.19	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Pentachlorophenol	<0.76		0.76	0.61	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
N-Nitrosodiphenylamine	<0.19		0.19	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
4,6-Dinitro-2-methylphenol	<0.76		0.76	0.30	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Phenanthrene	**0.024**	**J**	0.038	0.0053	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Anthracene	<0.038		0.038	0.0063	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Carbazole	<0.19		0.19	0.094	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Di-n-butyl phthalate	<0.19		0.19	0.058	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Fluoranthene	**0.054**		0.038	0.0070	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Pyrene	**0.043**		0.038	0.0075	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Butyl benzyl phthalate	<0.19		0.19	0.072	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Benzo[a]anthracene	**0.020**	**J**	0.038	0.0051	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1

Client Sample ID: 3630V-04-B03 (0-4)D
Lab Sample ID: 500-213883-5
Date Collected: 03/18/22 09:00 **Matrix: Solid**
Date Received: 03/18/22 14:15 **Percent Solids: 85.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**0.030**	**J**	0.038	0.010	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
3,3'-Dichlorobenzidine	<0.19		0.19	0.053	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Bis(2-ethylhexyl) phthalate	<0.19		0.19	0.069	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Di-n-octyl phthalate	<0.19		0.19	0.062	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Benzo[b]fluoranthene	**0.037**	**J**	0.038	0.0082	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Benzo[k]fluoranthene	**0.013**	**J**	0.038	0.011	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Benzo[a]pyrene	**0.026**	**J**	0.038	0.0073	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Indeno[1,2,3-cd]pyrene	**0.015**	**J**	0.038	0.0098	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Dibenz(a,h)anthracene	<0.038		0.038	0.0073	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
Benzo[g,h,i]perylene	**0.018**	**J**	0.038	0.012	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1
3 & 4 Methylphenol	<0.19		0.19	0.063	mg/Kg	☼	03/30/22 06:56	03/31/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*83*		*31 - 166*	*03/30/22 06:56*	*03/31/22 19:18*	*1*
Phenol-d5	*79*		*30 - 153*	*03/30/22 06:56*	*03/31/22 19:18*	*1*
Nitrobenzene-d5 (Surr)	*52*		*37 - 147*	*03/30/22 06:56*	*03/31/22 19:18*	*1*
2-Fluorobiphenyl (Surr)	*64*		*43 - 145*	*03/30/22 06:56*	*03/31/22 19:18*	*1*
2,4,6-Tribromophenol	*67*		*31 - 143*	*03/30/22 06:56*	*03/31/22 19:18*	*1*
Terphenyl-d14 (Surr)	*91*		*42 - 157*	*03/30/22 06:56*	*03/31/22 19:18*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.50**	**J**	1.1	0.22	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Arsenic	**6.2**		0.56	0.19	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Barium	**46**		0.56	0.064	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Beryllium	**0.80**		0.23	0.053	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Boron	**8.7**	**B**	2.8	0.26	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Cadmium	<0.11		0.11	0.020	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Calcium	**64000**	**B**	56	9.6	mg/Kg	☼	03/27/22 21:49	03/29/22 11:51	5
Chromium	**18**	**B**	0.56	0.28	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Cobalt	**11**		0.28	0.074	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Copper	**20**	**B**	0.56	0.16	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Iron	**18000**	**B**	11	5.9	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Lead	**14**		0.28	0.13	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Magnesium	**25000**	**B**	5.6	2.8	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Manganese	**470**	**B**	0.56	0.082	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Nickel	**28**		0.56	0.16	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Potassium	**2100**		28	10	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Silver	**0.27**	**J**	0.28	0.073	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Sodium	**1400**		56	8.3	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Vanadium	**21**	**B**	0.28	0.067	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1
Zinc	**63**	**^2**	1.1	0.50	mg/Kg	☼	03/27/22 21:49	03/28/22 19:16	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.34**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/22 08:53	03/29/22 18:39	1
Boron	**0.064**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:39	1

Client Sample ID: 3630V-04-B03 (0-4)D
Lab Sample ID: 500-213883-5

Date Collected: 03/18/22 09:00 **Matrix: Solid**
Date Received: 03/18/22 14:15 **Percent Solids: 85.3**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/22 08:53	03/29/22 18:39	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:39	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:39	1
Iron	<0.40		0.40	0.20	mg/L		03/29/22 08:53	03/29/22 18:39	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/22 08:53	03/29/22 18:39	1
Manganese	**0.083**		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:39	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:39	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/22 08:53	03/29/22 18:39	1
Silver	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:39	1
Zinc	**0.056**	**J**	0.50	0.020	mg/L		03/29/22 08:53	03/29/22 18:39	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		03/29/22 08:53	03/29/22 17:53	1
Thallium	<0.0020		0.0020	0.0020	mg/L		03/29/22 08:53	03/29/22 17:53	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		03/28/22 15:25	03/29/22 10:18	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**		0.017	0.0058	mg/Kg	☼	03/29/22 14:25	03/30/22 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.6**		0.2	0.2	SU			03/25/22 18:25	1

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B03 (4-8)

Date Collected: 03/18/22 09:15
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-6

Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0086	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Benzene	<0.0020		0.0020	0.00050	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Bromodichloromethane	<0.0020		0.0020	0.00040	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Bromoform	<0.0020		0.0020	0.00057	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Bromomethane	<0.0049		0.0049	0.0019	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
2-Butanone (MEK)	<0.0049		0.0049	0.0022	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Carbon disulfide	<0.0049		0.0049	0.0010	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Carbon tetrachloride	<0.0020		0.0020	0.00057	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Chlorobenzene	<0.0020		0.0020	0.00073	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Chloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Chloroform	<0.0020		0.0020	0.00068	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Chloromethane	<0.0049		0.0049	0.0020	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00055	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00059	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Dibromochloromethane	<0.0020		0.0020	0.00064	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
1,1-Dichloroethane	<0.0020		0.0020	0.00067	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
1,2-Dichloroethane	<0.0049		0.0049	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
1,1-Dichloroethene	<0.0020		0.0020	0.00068	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
1,2-Dichloropropane	<0.0020		0.0020	0.00051	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00069	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Ethylbenzene	<0.0020		0.0020	0.00094	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
2-Hexanone	<0.0049		0.0049	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Methylene Chloride	<0.0049		0.0049	0.0019	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
4-Methyl-2-pentanone (MIBK)	<0.0049		0.0049	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00058	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Styrene	<0.0020		0.0020	0.00059	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00063	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Tetrachloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Toluene	<0.0020		0.0020	0.00050	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00087	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00069	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00066	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00084	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Trichloroethene	<0.0020		0.0020	0.00067	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Vinyl acetate	<0.0049		0.0049	0.0017	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Vinyl chloride	<0.0020		0.0020	0.00087	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1
Xylenes, Total	<0.0039		0.0039	0.00063	mg/Kg	☼	03/18/22 18:14	03/27/22 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*75 - 131*	*03/18/22 18:14*	*03/27/22 19:12*	*1*
Dibromofluoromethane	*107*		*75 - 126*	*03/18/22 18:14*	*03/27/22 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*	*03/18/22 18:14*	*03/27/22 19:12*	*1*
Toluene-d8 (Surr)	*95*		*75 - 124*	*03/18/22 18:14*	*03/27/22 19:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.20		0.20	0.089	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.060	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
1,3-Dichlorobenzene	<0.20		0.20	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
1,4-Dichlorobenzene	<0.20		0.20	0.051	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1

Client: Environmental Design International, Inc.
Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Client Sample ID: 3630V-04-B03 (4-8)
Lab Sample ID: 500-213883-6
Date Collected: 03/18/22 09:15
Matrix: Solid
Date Received: 03/18/22 14:15
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2-Methylphenol	<0.20		0.20	0.064	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.046	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
N-Nitrosodi-n-propylamine	<0.081		0.081	0.049	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Hexachloroethane	<0.20		0.20	0.061	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2-Chlorophenol	<0.20		0.20	0.068	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.043	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Isophorone	<0.20		0.20	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Hexachlorobutadiene	<0.20		0.20	0.063	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Naphthalene	<0.040		0.040	0.0061	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2,4-Dichlorophenol	<0.40		0.40	0.095	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
4-Chloroaniline	<0.81		0.81	0.19	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2,4,5-Trichlorophenol	<0.40		0.40	0.091	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Hexachlorocyclopentadiene	<0.81		0.81	0.23	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2-Methylnaphthalene	<0.081		0.081	0.0073	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2-Nitroaniline	<0.20		0.20	0.054	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2-Chloronaphthalene	<0.20		0.20	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2,6-Dinitrotoluene	<0.20		0.20	0.079	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2-Nitrophenol	<0.40		0.40	0.094	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
3-Nitroaniline	<0.40		0.40	0.12	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Dimethyl phthalate	<0.20		0.20	0.052	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2,4-Dinitrophenol	<0.81		0.81	0.70	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
2,4-Dinitrotoluene	<0.20		0.20	0.063	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Acenaphthene	<0.040		0.040	0.0072	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
4-Nitrophenol	<0.81		0.81	0.38	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Fluorene	<0.040		0.040	0.0056	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Hexachlorobenzene	<0.081		0.081	0.0093	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Diethyl phthalate	<0.20		0.20	0.068	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Pentachlorophenol	<0.81		0.81	0.64	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
N-Nitrosodiphenylamine	<0.20		0.20	0.047	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
4,6-Dinitro-2-methylphenol	<0.81		0.81	0.32	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Phenanthrene	**0.011**	**J**	0.040	0.0056	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Anthracene	<0.040		0.040	0.0067	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Di-n-butyl phthalate	<0.20		0.20	0.061	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Fluoranthene	**0.025**	**J**	0.040	0.0074	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Pyrene	**0.019**	**J**	0.040	0.0079	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Butyl benzyl phthalate	<0.20		0.20	0.076	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Benzo[a]anthracene	**0.0099**	**J**	0.040	0.0054	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1

Client Sample ID: 3630V-04-B03 (4-8)
Date Collected: 03/18/22 09:15
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-6
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**0.014**	**J**	0.040	0.011	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.056	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.073	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Di-n-octyl phthalate	<0.20		0.20	0.065	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Benzo[b]fluoranthene	**0.022**	**J**	0.040	0.0086	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Benzo[a]pyrene	**0.016**	**J**	0.040	0.0077	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.010	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0077	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1
3 & 4 Methylphenol	<0.20		0.20	0.067	mg/Kg	☼	03/30/22 06:56	03/31/22 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*79*		*31 - 166*	*03/30/22 06:56*	*03/31/22 19:42*	*1*
Phenol-d5	*76*		*30 - 153*	*03/30/22 06:56*	*03/31/22 19:42*	*1*
Nitrobenzene-d5 (Surr)	*52*		*37 - 147*	*03/30/22 06:56*	*03/31/22 19:42*	*1*
2-Fluorobiphenyl (Surr)	*57*		*43 - 145*	*03/30/22 06:56*	*03/31/22 19:42*	*1*
2,4,6-Tribromophenol	*69*		*31 - 143*	*03/30/22 06:56*	*03/31/22 19:42*	*1*
Terphenyl-d14 (Surr)	*86*		*42 - 157*	*03/30/22 06:56*	*03/31/22 19:42*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.47**	**J**	1.2	0.23	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Arsenic	**6.8**		0.59	0.20	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Barium	**69**		0.59	0.067	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Beryllium	**0.83**		0.23	0.055	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Boron	**5.1**	**B**	2.9	0.27	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Cadmium	<0.12		0.12	0.021	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Calcium	**30000**	**B**	12	2.0	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Chromium	**18**	**B**	0.59	0.29	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Cobalt	**13**		0.29	0.077	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Copper	**20**	**B**	0.59	0.16	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Iron	**19000**	**B**	12	6.1	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Lead	**19**		0.29	0.14	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Magnesium	**19000**	**B**	5.9	2.9	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Manganese	**480**	**B**	0.59	0.085	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Nickel	**26**		0.59	0.17	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Potassium	**1600**		29	10	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Selenium	<0.59		0.59	0.34	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Silver	**0.32**		0.29	0.076	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Sodium	**2100**		59	8.7	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Vanadium	**23**	**B**	0.29	0.069	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1
Zinc	**66**	**^2**	1.2	0.51	mg/Kg	☼	03/27/22 21:49	03/28/22 19:20	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.32**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/22 08:53	03/29/22 18:42	1
Boron	**0.082**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:42	1

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B03 (4-8)
Date Collected: 03/18/22 09:15
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-6
Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/22 08:53	03/29/22 18:42	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:42	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:42	1
Iron	**0.27**	**J**	0.40	0.20	mg/L		03/29/22 08:53	03/29/22 18:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/22 08:53	03/29/22 18:42	1
Manganese	**0.82**		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:42	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:42	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/22 08:53	03/29/22 18:42	1
Silver	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:42	1
Zinc	**0.050**	**J**	0.50	0.020	mg/L		03/29/22 08:53	03/29/22 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**2.6**		0.025	0.010	mg/L		03/29/22 08:57	03/30/22 18:40	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		03/29/22 08:53	03/29/22 17:55	1
Thallium	<0.0020		0.0020	0.0020	mg/L		03/29/22 08:53	03/29/22 17:55	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		03/28/22 15:25	03/29/22 10:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**		0.019	0.0064	mg/Kg	☼	03/29/22 14:25	03/30/22 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.5**		0.2	0.2	SU			03/25/22 18:28	1

Client Sample ID: 3630V-04-B04 (0-1)
Date Collected: 03/18/22 10:00
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-7
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.021		0.021	0.0089	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Benzene	<0.0021		0.0021	0.00052	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Bromodichloromethane	<0.0021		0.0021	0.00042	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Bromoform	<0.0021		0.0021	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Bromomethane	<0.0051		0.0051	0.0019	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
2-Butanone (MEK)	<0.0051		0.0051	0.0023	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Carbon disulfide	<0.0051		0.0051	0.0011	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Carbon tetrachloride	<0.0021		0.0021	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Chlorobenzene	<0.0021		0.0021	0.00076	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Chloroethane	<0.0051		0.0051	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Chloroform	<0.0021		0.0021	0.00071	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Chloromethane	<0.0051		0.0051	0.0021	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
cis-1,2-Dichloroethene	<0.0021		0.0021	0.00057	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
cis-1,3-Dichloropropene	<0.0021		0.0021	0.00062	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Dibromochloromethane	<0.0021		0.0021	0.00067	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
1,1-Dichloroethane	<0.0021		0.0021	0.00070	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
1,2-Dichloroethane	<0.0051		0.0051	0.0016	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
1,1-Dichloroethene	<0.0021		0.0021	0.00071	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
1,2-Dichloropropane	<0.0021		0.0021	0.00053	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
1,3-Dichloropropene, Total	<0.0021		0.0021	0.00072	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Ethylbenzene	<0.0021		0.0021	0.00098	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
2-Hexanone	<0.0051		0.0051	0.0016	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Methylene Chloride	<0.0051		0.0051	0.0020	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
4-Methyl-2-pentanone (MIBK)	<0.0051		0.0051	0.0015	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Methyl tert-butyl ether	<0.0021		0.0021	0.00060	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Styrene	<0.0021		0.0021	0.00062	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
1,1,2,2-Tetrachloroethane	<0.0021		0.0021	0.00066	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Tetrachloroethene	<0.0021		0.0021	0.00070	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Toluene	<0.0021		0.0021	0.00052	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
trans-1,2-Dichloroethene	<0.0021		0.0021	0.00091	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
trans-1,3-Dichloropropene	<0.0021		0.0021	0.00072	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
1,1,1-Trichloroethane	<0.0021		0.0021	0.00069	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
1,1,2-Trichloroethane	<0.0021		0.0021	0.00088	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Trichloroethene	<0.0021		0.0021	0.00069	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Vinyl acetate	<0.0051		0.0051	0.0018	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Vinyl chloride	<0.0021		0.0021	0.00091	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1
Xylenes, Total	<0.0041		0.0041	0.00066	mg/Kg	☼	03/18/22 18:14	03/27/22 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*75 - 131*	*03/18/22 18:14*	*03/27/22 19:39*	*1*
Dibromofluoromethane	*104*		*75 - 126*	*03/18/22 18:14*	*03/27/22 19:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*	*03/18/22 18:14*	*03/27/22 19:39*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*	*03/18/22 18:14*	*03/27/22 19:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.20		0.20	0.090	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Bis(2-chloroethyl)ether	<0.20		0.20	0.061	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
1,3-Dichlorobenzene	<0.20		0.20	0.046	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
1,4-Dichlorobenzene	<0.20		0.20	0.052	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1

Client: Environmental Design International, Inc.
Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Client Sample ID: 3630V-04-B04 (0-1)
Lab Sample ID: 500-213883-7
Date Collected: 03/18/22 10:00
Matrix: Solid
Date Received: 03/18/22 14:15
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	<0.20		0.20	0.048	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2-Methylphenol	<0.20		0.20	0.065	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2,2'-oxybis[1-chloropropane]	<0.20		0.20	0.047	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
N-Nitrosodi-n-propylamine	<0.082		0.082	0.050	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Hexachloroethane	<0.20		0.20	0.062	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2-Chlorophenol	<0.20		0.20	0.069	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Nitrobenzene	<0.040		0.040	0.010	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Bis(2-chloroethoxy)methane	<0.20		0.20	0.041	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
1,2,4-Trichlorobenzene	<0.20		0.20	0.044	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Isophorone	<0.20		0.20	0.046	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2,4-Dimethylphenol	<0.40		0.40	0.15	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Hexachlorobutadiene	<0.20		0.20	0.064	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Naphthalene	<0.040		0.040	0.0062	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2,4-Dichlorophenol	<0.40		0.40	0.096	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
4-Chloroaniline	<0.82		0.82	0.19	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2,4,6-Trichlorophenol	<0.40		0.40	0.14	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2,4,5-Trichlorophenol	<0.40		0.40	0.093	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Hexachlorocyclopentadiene	<0.82		0.82	0.23	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2-Methylnaphthalene	<0.082		0.082	0.0075	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2-Nitroaniline	<0.20		0.20	0.055	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2-Chloronaphthalene	<0.20		0.20	0.045	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
4-Chloro-3-methylphenol	<0.40		0.40	0.14	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2,6-Dinitrotoluene	<0.20		0.20	0.080	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2-Nitrophenol	<0.40		0.40	0.096	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
3-Nitroaniline	<0.40		0.40	0.13	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Dimethyl phthalate	<0.20		0.20	0.053	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2,4-Dinitrophenol	<0.82		0.82	0.71	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Acenaphthylene	<0.040		0.040	0.0053	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
2,4-Dinitrotoluene	<0.20		0.20	0.064	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Acenaphthene	<0.040		0.040	0.0073	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Dibenzofuran	<0.20		0.20	0.047	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
4-Nitrophenol	<0.82		0.82	0.39	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Fluorene	<0.040		0.040	0.0057	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
4-Nitroaniline	<0.40		0.40	0.17	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
4-Bromophenyl phenyl ether	<0.20		0.20	0.053	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Hexachlorobenzene	<0.082		0.082	0.0094	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Diethyl phthalate	<0.20		0.20	0.069	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
4-Chlorophenyl phenyl ether	<0.20		0.20	0.047	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Pentachlorophenol	<0.82		0.82	0.65	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
N-Nitrosodiphenylamine	<0.20		0.20	0.048	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
4,6-Dinitro-2-methylphenol	<0.82		0.82	0.33	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Phenanthrene	**0.011**	**J**	0.040	0.0057	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Anthracene	<0.040		0.040	0.0068	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Carbazole	<0.20		0.20	0.10	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Di-n-butyl phthalate	<0.20		0.20	0.062	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Fluoranthene	**0.024**	**J**	0.040	0.0075	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Pyrene	**0.018**	**J**	0.040	0.0081	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Butyl benzyl phthalate	<0.20		0.20	0.077	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Benzo[a]anthracene	**0.0099**	**J**	0.040	0.0055	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1

Client Sample ID: 3630V-04-B04 (0-1)
Date Collected: 03/18/22 10:00
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-7
Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**0.011**	**J**	0.040	0.011	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
3,3'-Dichlorobenzidine	<0.20		0.20	0.057	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Bis(2-ethylhexyl) phthalate	<0.20		0.20	0.074	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Di-n-octyl phthalate	<0.20		0.20	0.066	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Benzo[b]fluoranthene	**0.018**	**J**	0.040	0.0088	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Benzo[k]fluoranthene	<0.040		0.040	0.012	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Benzo[a]pyrene	**0.013**	**J**	0.040	0.0078	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Indeno[1,2,3-cd]pyrene	<0.040		0.040	0.011	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Dibenz(a,h)anthracene	<0.040		0.040	0.0078	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
Benzo[g,h,i]perylene	<0.040		0.040	0.013	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1
3 & 4 Methylphenol	<0.20		0.20	0.068	mg/Kg	☼	03/30/22 06:56	03/31/22 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*84*		*31 - 166*	*03/30/22 06:56*	*03/31/22 20:06*	*1*
Phenol-d5	*84*		*30 - 153*	*03/30/22 06:56*	*03/31/22 20:06*	*1*
Nitrobenzene-d5 (Surr)	*53*		*37 - 147*	*03/30/22 06:56*	*03/31/22 20:06*	*1*
2-Fluorobiphenyl (Surr)	*62*		*43 - 145*	*03/30/22 06:56*	*03/31/22 20:06*	*1*
2,4,6-Tribromophenol	*75*		*31 - 143*	*03/30/22 06:56*	*03/31/22 20:06*	*1*
Terphenyl-d14 (Surr)	*98*		*42 - 157*	*03/30/22 06:56*	*03/31/22 20:06*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.52**	**J**	1.2	0.23	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Arsenic	**6.5**		0.59	0.20	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Barium	**77**		0.59	0.067	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Beryllium	**0.78**		0.24	0.055	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Boron	**4.4**	**B**	2.9	0.27	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Cadmium	**0.044**	**J B**	0.12	0.021	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Calcium	**9100**	**B**	12	2.0	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Chromium	**15**	**B**	0.59	0.29	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Cobalt	**9.8**		0.29	0.077	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Copper	**15**	**B**	0.59	0.16	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Iron	**18000**	**B**	12	6.1	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Lead	**26**		0.29	0.14	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Magnesium	**5600**	**B**	5.9	2.9	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Manganese	**590**	**B**	0.59	0.085	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Nickel	**20**		0.59	0.17	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Potassium	**1200**		29	10	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Selenium	**0.51**	**J**	0.59	0.35	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Silver	**0.34**		0.29	0.076	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Sodium	**510**		59	8.7	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Vanadium	**24**	**B**	0.29	0.069	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1
Zinc	**63**	**^2**	1.2	0.52	mg/Kg	☼	03/27/22 21:49	03/28/22 19:23	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.41**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/22 08:53	03/29/22 18:46	1
Boron	**0.073**	**J**	0.50	0.050	mg/L		03/29/22 08:53	03/29/22 18:46	1

Client: Environmental Design International, Inc.
Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Client Sample ID: 3630V-04-B04 (0-1)
Lab Sample ID: 500-213883-7
Date Collected: 03/18/22 10:00
Matrix: Solid
Date Received: 03/18/22 14:15
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/22 08:53	03/29/22 18:46	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:46	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:46	1
Iron	<0.40		0.40	0.20	mg/L		03/29/22 08:53	03/29/22 18:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/22 08:53	03/29/22 18:46	1
Manganese	**0.67**		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:46	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:46	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/22 08:53	03/29/22 18:46	1
Silver	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 18:46	1
Zinc	**0.027**	**J**	0.50	0.020	mg/L		03/29/22 08:53	03/29/22 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.92**		0.025	0.010	mg/L		03/29/22 08:57	03/30/22 18:44	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		03/29/22 08:53	03/29/22 17:57	1
Thallium	<0.0020		0.0020	0.0020	mg/L		03/29/22 08:53	03/29/22 17:57	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		03/28/22 15:25	03/29/22 10:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.055**		0.019	0.0062	mg/Kg	☼	03/29/22 14:25	03/30/22 09:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.6**		0.2	0.2	SU			03/25/22 18:30	1

Definitions/Glossary

Client: Environmental Design International, Inc. Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

GC/MS VOA

Prep Batch: 647841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	5035	
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	5035	
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	5035	
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	5035	
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	5035	
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	5035	
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	5035	

Analysis Batch: 648887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	8260B	647841
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	8260B	647841
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	8260B	647841
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	8260B	647841
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	8260B	647841
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	8260B	647841
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	8260B	647841
MB 500-648887/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-648887/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 500-648887/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 649351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	3541	
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	3541	
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	3541	
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	3541	
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	3541	
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	3541	
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	3541	
MB 500-649351/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-649351/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 649596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-649351/1-A	Method Blank	Total/NA	Solid	8270D	649351
LCS 500-649351/2-A	Lab Control Sample	Total/NA	Solid	8270D	649351

Analysis Batch: 649653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	8270D	649351
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	8270D	649351
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	8270D	649351
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	8270D	649351
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	8270D	649351
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	8270D	649351
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	8270D	649351

Metals

Prep Batch: 648906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	3050B	
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	3050B	
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	3050B	
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	3050B	
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	3050B	
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	3050B	
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	3050B	
MB 500-648906/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-648906/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Leach Batch: 648921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	TCLP	Solid	1311	
500-213883-2	3630V-04-B01 (4-8)	TCLP	Solid	1311	
500-213883-3	3630V-04-B02 (0-1)	TCLP	Solid	1311	
500-213883-4	3630V-04-B03 (0-4)	TCLP	Solid	1311	
500-213883-5	3630V-04-B03 (0-4)D	TCLP	Solid	1311	
500-213883-6	3630V-04-B03 (4-8)	TCLP	Solid	1311	
500-213883-7	3630V-04-B04 (0-1)	TCLP	Solid	1311	
LB 500-648921/1-B	Method Blank	TCLP	Solid	1311	
LB 500-648921/2-B	Method Blank	TCLP	Solid	1311	

Leach Batch: 648925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	SPLP East	Solid	1312	
500-213883-2	3630V-04-B01 (4-8)	SPLP East	Solid	1312	
500-213883-4	3630V-04-B03 (0-4)	SPLP East	Solid	1312	
500-213883-6	3630V-04-B03 (4-8)	SPLP East	Solid	1312	
500-213883-7	3630V-04-B04 (0-1)	SPLP East	Solid	1312	
LB 500-648925/1-B	Method Blank	SPLP East	Solid	1312	

Prep Batch: 649089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	TCLP	Solid	7470A	648921
500-213883-2	3630V-04-B01 (4-8)	TCLP	Solid	7470A	648921
500-213883-3	3630V-04-B02 (0-1)	TCLP	Solid	7470A	648921
500-213883-4	3630V-04-B03 (0-4)	TCLP	Solid	7470A	648921
500-213883-5	3630V-04-B03 (0-4)D	TCLP	Solid	7470A	648921
500-213883-6	3630V-04-B03 (4-8)	TCLP	Solid	7470A	648921
500-213883-7	3630V-04-B04 (0-1)	TCLP	Solid	7470A	648921
LB 500-648921/2-B	Method Blank	TCLP	Solid	7470A	648921
MB 500-649089/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-649089/14-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 649180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	6010B	648906
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	6010B	648906
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	6010B	648906
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	6010B	648906
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	6010B	648906

Metals (Continued)

Analysis Batch: 649180 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	6010B	648906
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	6010B	648906
MB 500-648906/1-A	Method Blank	Total/NA	Solid	6010B	648906
LCS 500-648906/2-A	Lab Control Sample	Total/NA	Solid	6010B	648906

Prep Batch: 649189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	TCLP	Solid	3010A	648921
500-213883-2	3630V-04-B01 (4-8)	TCLP	Solid	3010A	648921
500-213883-3	3630V-04-B02 (0-1)	TCLP	Solid	3010A	648921
500-213883-4	3630V-04-B03 (0-4)	TCLP	Solid	3010A	648921
500-213883-5	3630V-04-B03 (0-4)D	TCLP	Solid	3010A	648921
500-213883-6	3630V-04-B03 (4-8)	TCLP	Solid	3010A	648921
500-213883-7	3630V-04-B04 (0-1)	TCLP	Solid	3010A	648921
LB 500-648921/1-B	Method Blank	TCLP	Solid	3010A	648921
LCS 500-649189/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 649195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	SPLP East	Solid	3010A	648925
500-213883-2	3630V-04-B01 (4-8)	SPLP East	Solid	3010A	648925
500-213883-4	3630V-04-B03 (0-4)	SPLP East	Solid	3010A	648925
500-213883-6	3630V-04-B03 (4-8)	SPLP East	Solid	3010A	648925
500-213883-7	3630V-04-B04 (0-1)	SPLP East	Solid	3010A	648925
LB 500-648925/1-B	Method Blank	SPLP East	Solid	3010A	648925
LCS 500-649195/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 649258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	7471B	
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	7471B	
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	7471B	
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	7471B	
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	7471B	
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	7471B	
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	7471B	
MB 500-649258/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-649258/13-A	Lab Control Sample	Total/NA	Solid	7471B	
500-213883-1 MS	3630V-04-B01 (0-4)	Total/NA	Solid	7471B	
500-213883-1 MSD	3630V-04-B01 (0-4)	Total/NA	Solid	7471B	
500-213883-1 DU	3630V-04-B01 (0-4)	Total/NA	Solid	7471B	

Analysis Batch: 649260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	TCLP	Solid	7470A	649089
500-213883-2	3630V-04-B01 (4-8)	TCLP	Solid	7470A	649089
500-213883-3	3630V-04-B02 (0-1)	TCLP	Solid	7470A	649089
500-213883-4	3630V-04-B03 (0-4)	TCLP	Solid	7470A	649089
500-213883-5	3630V-04-B03 (0-4)D	TCLP	Solid	7470A	649089
500-213883-6	3630V-04-B03 (4-8)	TCLP	Solid	7470A	649089
500-213883-7	3630V-04-B04 (0-1)	TCLP	Solid	7470A	649089

Metals (Continued)

Analysis Batch: 649260 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-648921/2-B	Method Blank	TCLP	Solid	7470A	649089
MB 500-649089/12-A	Method Blank	Total/NA	Solid	7470A	649089
LCS 500-649089/14-A	Lab Control Sample	Total/NA	Solid	7470A	649089

Analysis Batch: 649285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	6010B	648906
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	6010B	648906
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	6010B	648906
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	6010B	648906
LCS 500-648906/2-A	Lab Control Sample	Total/NA	Solid	6010B	648906

Analysis Batch: 649443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	TCLP	Solid	6010B	649189
500-213883-2	3630V-04-B01 (4-8)	TCLP	Solid	6010B	649189
500-213883-3	3630V-04-B02 (0-1)	TCLP	Solid	6010B	649189
500-213883-4	3630V-04-B03 (0-4)	TCLP	Solid	6010B	649189
500-213883-5	3630V-04-B03 (0-4)D	TCLP	Solid	6010B	649189
500-213883-6	3630V-04-B03 (4-8)	TCLP	Solid	6010B	649189
500-213883-7	3630V-04-B04 (0-1)	TCLP	Solid	6010B	649189
LB 500-648921/1-B	Method Blank	TCLP	Solid	6010B	649189
LCS 500-649189/2-A	Lab Control Sample	Total/NA	Solid	6010B	649189

Analysis Batch: 649462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	TCLP	Solid	6020A	649189
500-213883-2	3630V-04-B01 (4-8)	TCLP	Solid	6020A	649189
500-213883-3	3630V-04-B02 (0-1)	TCLP	Solid	6020A	649189
500-213883-4	3630V-04-B03 (0-4)	TCLP	Solid	6020A	649189
500-213883-5	3630V-04-B03 (0-4)D	TCLP	Solid	6020A	649189
500-213883-6	3630V-04-B03 (4-8)	TCLP	Solid	6020A	649189
500-213883-7	3630V-04-B04 (0-1)	TCLP	Solid	6020A	649189
LB 500-648921/1-B	Method Blank	TCLP	Solid	6020A	649189
LCS 500-649189/2-A	Lab Control Sample	Total/NA	Solid	6020A	649189

Analysis Batch: 649475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	7471B	649258
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	7471B	649258
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	7471B	649258
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	7471B	649258
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	7471B	649258
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	7471B	649258
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	7471B	649258
MB 500-649258/12-A	Method Blank	Total/NA	Solid	7471B	649258
LCS 500-649258/13-A	Lab Control Sample	Total/NA	Solid	7471B	649258
500-213883-1 MS	3630V-04-B01 (0-4)	Total/NA	Solid	7471B	649258
500-213883-1 MSD	3630V-04-B01 (0-4)	Total/NA	Solid	7471B	649258
500-213883-1 DU	3630V-04-B01 (0-4)	Total/NA	Solid	7471B	649258

Metals

Analysis Batch: 649649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	SPLP East	Solid	6010B	649195
500-213883-2	3630V-04-B01 (4-8)	SPLP East	Solid	6010B	649195
500-213883-4	3630V-04-B03 (0-4)	SPLP East	Solid	6010B	649195
500-213883-6	3630V-04-B03 (4-8)	SPLP East	Solid	6010B	649195
500-213883-7	3630V-04-B04 (0-1)	SPLP East	Solid	6010B	649195
LB 500-648925/1-B	Method Blank	SPLP East	Solid	6010B	649195
LCS 500-649195/2-A	Lab Control Sample	Total/NA	Solid	6010B	649195

General Chemistry

Analysis Batch: 648629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	Moisture	
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	Moisture	
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	Moisture	
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	Moisture	
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	Moisture	
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	Moisture	
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	Moisture	
500-213883-1 DU	3630V-04-B01 (0-4)	Total/NA	Solid	Moisture	

Analysis Batch: 648907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-213883-1	3630V-04-B01 (0-4)	Total/NA	Solid	9045D	
500-213883-2	3630V-04-B01 (4-8)	Total/NA	Solid	9045D	
500-213883-3	3630V-04-B02 (0-1)	Total/NA	Solid	9045D	
500-213883-4	3630V-04-B03 (0-4)	Total/NA	Solid	9045D	
500-213883-5	3630V-04-B03 (0-4)D	Total/NA	Solid	9045D	
500-213883-6	3630V-04-B03 (4-8)	Total/NA	Solid	9045D	
500-213883-7	3630V-04-B04 (0-1)	Total/NA	Solid	9045D	
LCS 500-648907/2	Lab Control Sample	Total/NA	Solid	9045D	
LCSD 500-648907/3	Lab Control Sample Dup	Total/NA	Solid	9045D	
500-213883-1 DU	3630V-04-B01 (0-4)	Total/NA	Solid	9045D	

Surrogate Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(75-131)	(75-126)	(70-134)	(75-124)
500-213883-1	3630V-04-B01 (0-4)	97	106	95	98
500-213883-2	3630V-04-B01 (4-8)	93	106	99	97
500-213883-3	3630V-04-B02 (0-1)	95	106	92	97
500-213883-4	3630V-04-B03 (0-4)	95	104	95	97
500-213883-5	3630V-04-B03 (0-4)D	94	103	96	97
500-213883-6	3630V-04-B03 (4-8)	92	107	98	95
500-213883-7	3630V-04-B04 (0-1)	93	104	95	98
LCS 500-648887/4	Lab Control Sample	81	98	85	97
LCSD 500-648887/5	Lab Control Sample Dup	82	102	88	98
MB 500-648887/7	Method Blank	92	102	80	98

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		2FP	PHL	NBZ	FBP	TBP	TPHL
Lab Sample ID	Client Sample ID	(31-166)	(30-153)	(37-147)	(43-145)	(31-143)	(42-157)
500-213883-1	3630V-04-B01 (0-4)	92	84	60	70	70	84
500-213883-2	3630V-04-B01 (4-8)	90	84	56	67	81	95
500-213883-3	3630V-04-B02 (0-1)	92	88	57	64	74	85
500-213883-4	3630V-04-B03 (0-4)	90	76	61	66	67	77
500-213883-5	3630V-04-B03 (0-4)D	83	79	52	64	67	91
500-213883-6	3630V-04-B03 (4-8)	79	76	52	57	69	86
500-213883-7	3630V-04-B04 (0-1)	84	84	53	62	75	98
LCS 500-649351/2-A	Lab Control Sample	109	103	78	90	102	93
MB 500-649351/1-A	Method Blank	130	122	62	78	78	91

Surrogate Legend

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

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

Lab Sample ID: MB 500-648887/7
Matrix: Solid
Analysis Batch: 648887

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.020		0.020	0.0087	mg/Kg			03/27/22 13:07	1
Benzene	<0.0020		0.0020	0.00051	mg/Kg			03/27/22 13:07	1
Bromodichloromethane	<0.0020		0.0020	0.00041	mg/Kg			03/27/22 13:07	1
Bromoform	<0.0020		0.0020	0.00058	mg/Kg			03/27/22 13:07	1
Bromomethane	<0.0050		0.0050	0.0019	mg/Kg			03/27/22 13:07	1
2-Butanone (MEK)	<0.0050		0.0050	0.0022	mg/Kg			03/27/22 13:07	1
Carbon disulfide	<0.0050		0.0050	0.0010	mg/Kg			03/27/22 13:07	1
Carbon tetrachloride	<0.0020		0.0020	0.00058	mg/Kg			03/27/22 13:07	1
Chlorobenzene	<0.0020		0.0020	0.00074	mg/Kg			03/27/22 13:07	1
Chloroethane	<0.0050		0.0050	0.0015	mg/Kg			03/27/22 13:07	1
Chloroform	<0.0020		0.0020	0.00069	mg/Kg			03/27/22 13:07	1
Chloromethane	<0.0050		0.0050	0.0020	mg/Kg			03/27/22 13:07	1
cis-1,2-Dichloroethene	<0.0020		0.0020	0.00056	mg/Kg			03/27/22 13:07	1
cis-1,3-Dichloropropene	<0.0020		0.0020	0.00060	mg/Kg			03/27/22 13:07	1
Dibromochloromethane	<0.0020		0.0020	0.00065	mg/Kg			03/27/22 13:07	1
1,1-Dichloroethane	<0.0020		0.0020	0.00069	mg/Kg			03/27/22 13:07	1
1,2-Dichloroethane	<0.0050		0.0050	0.0016	mg/Kg			03/27/22 13:07	1
1,1-Dichloroethene	<0.0020		0.0020	0.00069	mg/Kg			03/27/22 13:07	1
1,2-Dichloropropane	<0.0020		0.0020	0.00052	mg/Kg			03/27/22 13:07	1
1,3-Dichloropropene, Total	<0.0020		0.0020	0.00070	mg/Kg			03/27/22 13:07	1
Ethylbenzene	<0.0020		0.0020	0.00096	mg/Kg			03/27/22 13:07	1
2-Hexanone	<0.0050		0.0050	0.0016	mg/Kg			03/27/22 13:07	1
Methylene Chloride	<0.0050		0.0050	0.0020	mg/Kg			03/27/22 13:07	1
4-Methyl-2-pentanone (MIBK)	<0.0050		0.0050	0.0015	mg/Kg			03/27/22 13:07	1
Methyl tert-butyl ether	<0.0020		0.0020	0.00059	mg/Kg			03/27/22 13:07	1
Styrene	<0.0020		0.0020	0.00060	mg/Kg			03/27/22 13:07	1
1,1,2,2-Tetrachloroethane	<0.0020		0.0020	0.00064	mg/Kg			03/27/22 13:07	1
Tetrachloroethene	<0.0020		0.0020	0.00068	mg/Kg			03/27/22 13:07	1
Toluene	<0.0020		0.0020	0.00051	mg/Kg			03/27/22 13:07	1
trans-1,2-Dichloroethene	<0.0020		0.0020	0.00089	mg/Kg			03/27/22 13:07	1
trans-1,3-Dichloropropene	<0.0020		0.0020	0.00070	mg/Kg			03/27/22 13:07	1
1,1,1-Trichloroethane	<0.0020		0.0020	0.00067	mg/Kg			03/27/22 13:07	1
1,1,2-Trichloroethane	<0.0020		0.0020	0.00086	mg/Kg			03/27/22 13:07	1
Trichloroethene	<0.0020		0.0020	0.00068	mg/Kg			03/27/22 13:07	1
Vinyl acetate	<0.0050		0.0050	0.0017	mg/Kg			03/27/22 13:07	1
Vinyl chloride	<0.0020		0.0020	0.00089	mg/Kg			03/27/22 13:07	1
Xylenes, Total	<0.0040		0.0040	0.00064	mg/Kg			03/27/22 13:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*75 - 131*		*03/27/22 13:07*	*1*
Dibromofluoromethane	*102*		*75 - 126*		*03/27/22 13:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*70 - 134*		*03/27/22 13:07*	*1*
Toluene-d8 (Surr)	*98*		*75 - 124*		*03/27/22 13:07*	*1*

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

Lab Sample ID: LCS 500-648887/4
Matrix: Solid
Analysis Batch: 648887

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.0500	0.0439		mg/Kg		88	40 - 150
Benzene	0.0500	0.0492		mg/Kg		98	70 - 125
Bromodichloromethane	0.0500	0.0510		mg/Kg		102	67 - 129
Bromoform	0.0500	0.0513		mg/Kg		103	68 - 136
Bromomethane	0.0500	0.0566		mg/Kg		113	70 - 130
2-Butanone (MEK)	0.0500	0.0439		mg/Kg		88	47 - 138
Carbon disulfide	0.0500	0.0455		mg/Kg		91	70 - 129
Carbon tetrachloride	0.0500	0.0568		mg/Kg		114	75 - 125
Chlorobenzene	0.0500	0.0564		mg/Kg		113	50 - 150
Chloroethane	0.0500	0.0429		mg/Kg		86	75 - 125
Chloroform	0.0500	0.0512		mg/Kg		102	57 - 135
Chloromethane	0.0500	0.0378		mg/Kg		76	70 - 125
cis-1,2-Dichloroethene	0.0500	0.0503		mg/Kg		101	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0466		mg/Kg		93	70 - 125
Dibromochloromethane	0.0500	0.0548		mg/Kg		110	69 - 125
1,1-Dichloroethane	0.0500	0.0482		mg/Kg		96	70 - 125
1,2-Dichloroethane	0.0500	0.0507		mg/Kg		101	70 - 130
1,1-Dichloroethene	0.0500	0.0494		mg/Kg		99	70 - 120
1,2-Dichloropropane	0.0500	0.0469		mg/Kg		94	70 - 125
Ethylbenzene	0.0500	0.0573		mg/Kg		115	61 - 136
2-Hexanone	0.0500	0.0380		mg/Kg		76	48 - 146
Methylene Chloride	0.0500	0.0466		mg/Kg		93	70 - 126
4-Methyl-2-pentanone (MIBK)	0.0500	0.0379		mg/Kg		76	50 - 148
Methyl tert-butyl ether	0.0500	0.0452		mg/Kg		90	50 - 140
Styrene	0.0500	0.0558		mg/Kg		112	70 - 125
1,1,2,2-Tetrachloroethane	0.0500	0.0429		mg/Kg		86	70 - 122
Tetrachloroethene	0.0500	0.0569		mg/Kg		114	70 - 124
Toluene	0.0500	0.0508		mg/Kg		102	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0512		mg/Kg		102	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0460		mg/Kg		92	70 - 125
1,1,1-Trichloroethane	0.0500	0.0537		mg/Kg		107	70 - 128
1,1,2-Trichloroethane	0.0500	0.0479		mg/Kg		96	70 - 125
Trichloroethene	0.0500	0.0587		mg/Kg		117	70 - 125
Vinyl acetate	0.0500	0.0390		mg/Kg		78	40 - 153
Vinyl chloride	0.0500	0.0470		mg/Kg		94	70 - 125
Xylenes, Total	0.100	0.105		mg/Kg		105	53 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*75 - 131*
Dibromofluoromethane	*98*		*75 - 126*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 134*
Toluene-d8 (Surr)	*97*		*75 - 124*

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

Lab Sample ID: LCSD 500-648887/5
Matrix: Solid
Analysis Batch: 648887

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			0.0500	0.0480		mg/Kg		96	40 - 150	9	30
Benzene			0.0500	0.0486		mg/Kg		97	70 - 125	1	30
Bromodichloromethane			0.0500	0.0500		mg/Kg		100	67 - 129	2	30
Bromoform			0.0500	0.0524		mg/Kg		105	68 - 136	2	30
Bromomethane			0.0500	0.0551		mg/Kg		110	70 - 130	3	30
2-Butanone (MEK)			0.0500	0.0444		mg/Kg		89	47 - 138	1	30
Carbon disulfide			0.0500	0.0452		mg/Kg		90	70 - 129	1	30
Carbon tetrachloride			0.0500	0.0561		mg/Kg		112	75 - 125	1	30
Chlorobenzene			0.0500	0.0560		mg/Kg		112	50 - 150	1	30
Chloroethane			0.0500	0.0408		mg/Kg		82	75 - 125	5	30
Chloroform			0.0500	0.0507		mg/Kg		101	57 - 135	1	30
Chloromethane			0.0500	0.0380		mg/Kg		76	70 - 125	1	30
cis-1,2-Dichloroethene			0.0500	0.0499		mg/Kg		100	70 - 125	1	30
cis-1,3-Dichloropropene			0.0500	0.0461		mg/Kg		92	70 - 125	1	30
Dibromochloromethane			0.0500	0.0552		mg/Kg		110	69 - 125	1	30
1,1-Dichloroethane			0.0500	0.0479		mg/Kg		96	70 - 125	1	30
1,2-Dichloroethane			0.0500	0.0515		mg/Kg		103	70 - 130	2	30
1,1-Dichloroethene			0.0500	0.0489		mg/Kg		98	70 - 120	1	30
1,2-Dichloropropane			0.0500	0.0472		mg/Kg		94	70 - 125	1	30
Ethylbenzene			0.0500	0.0555		mg/Kg		111	61 - 136	3	30
2-Hexanone			0.0500	0.0401		mg/Kg		80	48 - 146	5	30
Methylene Chloride			0.0500	0.0471		mg/Kg		94	70 - 126	1	30
4-Methyl-2-pentanone (MIBK)			0.0500	0.0395		mg/Kg		79	50 - 148	4	30
Methyl tert-butyl ether			0.0500	0.0471		mg/Kg		94	50 - 140	4	30
Styrene			0.0500	0.0553		mg/Kg		111	70 - 125	1	30
1,1,2,2-Tetrachloroethane			0.0500	0.0433		mg/Kg		87	70 - 122	1	30
Tetrachloroethene			0.0500	0.0549		mg/Kg		110	70 - 124	3	30
Toluene			0.0500	0.0511		mg/Kg		102	70 - 125	1	30
trans-1,2-Dichloroethene			0.0500	0.0515		mg/Kg		103	70 - 125	1	30
trans-1,3-Dichloropropene			0.0500	0.0453		mg/Kg		91	70 - 125	2	30
1,1,1-Trichloroethane			0.0500	0.0538		mg/Kg		108	70 - 128	0	30
1,1,2-Trichloroethane			0.0500	0.0480		mg/Kg		96	70 - 125	0	30
Trichloroethene			0.0500	0.0590		mg/Kg		118	70 - 125	0	30
Vinyl acetate			0.0500	0.0380		mg/Kg		76	40 - 153	3	30
Vinyl chloride			0.0500	0.0469		mg/Kg		94	70 - 125	0	30
Xylenes, Total			0.100	0.102		mg/Kg		102	53 - 147	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*75 - 131*
Dibromofluoromethane	*102*		*75 - 126*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 134*
Toluene-d8 (Surr)	*98*		*75 - 124*

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

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

Lab Sample ID: MB 500-649351/1-A
Matrix: Solid
Analysis Batch: 649596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.17		0.17	0.074	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Bis(2-chloroethyl)ether	<0.17		0.17	0.050	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
1,3-Dichlorobenzene	<0.17		0.17	0.037	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
1,4-Dichlorobenzene	<0.17		0.17	0.043	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
1,2-Dichlorobenzene	<0.17		0.17	0.040	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2-Methylphenol	<0.17		0.17	0.053	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2,2'-oxybis[1-chloropropane]	<0.17		0.17	0.039	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
N-Nitrosodi-n-propylamine	<0.067		0.067	0.041	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Hexachloroethane	<0.17		0.17	0.051	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2-Chlorophenol	<0.17		0.17	0.057	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Nitrobenzene	<0.033		0.033	0.0083	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Bis(2-chloroethoxy)methane	<0.17		0.17	0.034	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
1,2,4-Trichlorobenzene	<0.17		0.17	0.036	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Isophorone	<0.17		0.17	0.037	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2,4-Dimethylphenol	<0.33		0.33	0.13	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Hexachlorobutadiene	<0.17		0.17	0.052	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Naphthalene	<0.033		0.033	0.0051	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2,4-Dichlorophenol	<0.33		0.33	0.079	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
4-Chloroaniline	<0.67		0.67	0.16	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2,4,6-Trichlorophenol	<0.33		0.33	0.11	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2,4,5-Trichlorophenol	<0.33		0.33	0.076	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Hexachlorocyclopentadiene	<0.67		0.67	0.19	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2-Methylnaphthalene	<0.067		0.067	0.0061	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2-Nitroaniline	<0.17		0.17	0.045	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2-Chloronaphthalene	<0.17		0.17	0.037	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
4-Chloro-3-methylphenol	<0.33		0.33	0.11	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2,6-Dinitrotoluene	<0.17		0.17	0.065	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2-Nitrophenol	<0.33		0.33	0.079	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
3-Nitroaniline	<0.33		0.33	0.10	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Dimethyl phthalate	<0.17		0.17	0.043	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2,4-Dinitrophenol	<0.67		0.67	0.59	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Acenaphthylene	<0.033		0.033	0.0044	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
2,4-Dinitrotoluene	<0.17		0.17	0.053	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Acenaphthene	<0.033		0.033	0.0060	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Dibenzofuran	<0.17		0.17	0.039	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
4-Nitrophenol	<0.67		0.67	0.32	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Fluorene	<0.033		0.033	0.0047	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
4-Nitroaniline	<0.33		0.33	0.14	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
4-Bromophenyl phenyl ether	<0.17		0.17	0.044	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Hexachlorobenzene	<0.067		0.067	0.0077	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Diethyl phthalate	<0.17		0.17	0.056	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
4-Chlorophenyl phenyl ether	<0.17		0.17	0.039	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Pentachlorophenol	<0.67		0.67	0.53	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
N-Nitrosodiphenylamine	<0.17		0.17	0.039	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
4,6-Dinitro-2-methylphenol	<0.67		0.67	0.27	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Phenanthrene	<0.033		0.033	0.0046	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Anthracene	<0.033		0.033	0.0056	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Carbazole	<0.17		0.17	0.083	mg/Kg		03/30/22 06:56	03/31/22 09:13	1

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

Lab Sample ID: MB 500-649351/1-A
Matrix: Solid
Analysis Batch: 649596

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	<0.17		0.17	0.051	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Fluoranthene	<0.033		0.033	0.0062	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Pyrene	<0.033		0.033	0.0066	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Butyl benzyl phthalate	<0.17		0.17	0.063	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Benzo[a]anthracene	<0.033		0.033	0.0045	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Chrysene	<0.033		0.033	0.0091	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
3,3'-Dichlorobenzidine	<0.17		0.17	0.047	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Bis(2-ethylhexyl) phthalate	<0.17		0.17	0.061	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Di-n-octyl phthalate	<0.17		0.17	0.054	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Benzo[b]fluoranthene	<0.033		0.033	0.0072	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Benzo[k]fluoranthene	<0.033		0.033	0.0098	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Benzo[a]pyrene	<0.033		0.033	0.0064	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Indeno[1,2,3-cd]pyrene	<0.033		0.033	0.0086	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Dibenz(a,h)anthracene	<0.033		0.033	0.0064	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
Benzo[g,h,i]perylene	<0.033		0.033	0.011	mg/Kg		03/30/22 06:56	03/31/22 09:13	1
3 & 4 Methylphenol	<0.17		0.17	0.055	mg/Kg		03/30/22 06:56	03/31/22 09:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*130*		*31 - 166*	*03/30/22 06:56*	*03/31/22 09:13*	*1*
Phenol-d5	*122*		*30 - 153*	*03/30/22 06:56*	*03/31/22 09:13*	*1*
Nitrobenzene-d5 (Surr)	*62*		*37 - 147*	*03/30/22 06:56*	*03/31/22 09:13*	*1*
2-Fluorobiphenyl (Surr)	*78*		*43 - 145*	*03/30/22 06:56*	*03/31/22 09:13*	*1*
2,4,6-Tribromophenol	*78*		*31 - 143*	*03/30/22 06:56*	*03/31/22 09:13*	*1*
Terphenyl-d14 (Surr)	*91*		*42 - 157*	*03/30/22 06:56*	*03/31/22 09:13*	*1*

Lab Sample ID: LCS 500-649351/2-A
Matrix: Solid
Analysis Batch: 649596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenol	1.33	1.35		mg/Kg		101	56 - 122
Bis(2-chloroethyl)ether	1.33	1.27		mg/Kg		95	55 - 111
1,3-Dichlorobenzene	1.33	1.12		mg/Kg		84	65 - 124
1,4-Dichlorobenzene	1.33	1.12		mg/Kg		84	61 - 110
1,2-Dichlorobenzene	1.33	1.19		mg/Kg		89	62 - 110
2-Methylphenol	1.33	1.41		mg/Kg		106	60 - 120
2,2'-oxybis[1-chloropropane]	1.33	1.15		mg/Kg		86	40 - 124
N-Nitrosodi-n-propylamine	1.33	1.06		mg/Kg		80	56 - 118
Hexachloroethane	1.33	1.17		mg/Kg		88	60 - 114
2-Chlorophenol	1.33	1.37		mg/Kg		103	64 - 110
Nitrobenzene	1.33	1.12		mg/Kg		84	60 - 116
Bis(2-chloroethoxy)methane	1.33	1.12		mg/Kg		84	60 - 112
1,2,4-Trichlorobenzene	1.33	1.22		mg/Kg		92	66 - 117
Isophorone	1.33	1.12		mg/Kg		84	55 - 110
2,4-Dimethylphenol	1.33	1.11		mg/Kg		83	60 - 110
Hexachlorobutadiene	1.33	1.20		mg/Kg		90	56 - 120
Naphthalene	1.33	1.12		mg/Kg		84	63 - 110
2,4-Dichlorophenol	1.33	1.35		mg/Kg		101	58 - 120

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

Lab Sample ID: LCS 500-649351/2-A
Matrix: Solid
Analysis Batch: 649596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloroaniline	1.33	0.956		mg/Kg		72	30 - 150
2,4,6-Trichlorophenol	1.33	1.23		mg/Kg		92	57 - 120
2,4,5-Trichlorophenol	1.33	1.22		mg/Kg		91	50 - 120
Hexachlorocyclopentadiene	1.33	1.01		mg/Kg		76	10 - 133
2-Methylnaphthalene	1.33	1.15		mg/Kg		87	69 - 112
2-Nitroaniline	1.33	1.18		mg/Kg		89	57 - 124
2-Chloronaphthalene	1.33	1.16		mg/Kg		87	69 - 114
4-Chloro-3-methylphenol	1.33	1.25		mg/Kg		93	65 - 122
2,6-Dinitrotoluene	1.33	1.28		mg/Kg		96	70 - 123
2-Nitrophenol	1.33	1.32		mg/Kg		99	60 - 120
3-Nitroaniline	1.33	0.803		mg/Kg		60	40 - 122
Dimethyl phthalate	1.33	1.18		mg/Kg		88	69 - 116
2,4-Dinitrophenol	2.67	1.04		mg/Kg		39	10 - 100
Acenaphthylene	1.33	1.15		mg/Kg		86	68 - 120
2,4-Dinitrotoluene	1.33	1.28		mg/Kg		96	69 - 124
Acenaphthene	1.33	1.17		mg/Kg		88	65 - 124
Dibenzofuran	1.33	1.16		mg/Kg		87	66 - 115
4-Nitrophenol	2.67	1.93		mg/Kg		72	30 - 122
Fluorene	1.33	1.19		mg/Kg		89	62 - 120
4-Nitroaniline	1.33	1.02		mg/Kg		77	60 - 160
4-Bromophenyl phenyl ether	1.33	1.25		mg/Kg		94	68 - 118
Hexachlorobenzene	1.33	1.29		mg/Kg		97	63 - 124
Diethyl phthalate	1.33	1.18		mg/Kg		89	58 - 120
4-Chlorophenyl phenyl ether	1.33	1.22		mg/Kg		91	62 - 119
Pentachlorophenol	2.67	1.98		mg/Kg		74	13 - 112
N-Nitrosodiphenylamine	1.33	1.15		mg/Kg		86	65 - 112
4,6-Dinitro-2-methylphenol	2.67	1.53		mg/Kg		57	10 - 110
Phenanthrene	1.33	1.17		mg/Kg		88	62 - 120
Anthracene	1.33	1.21		mg/Kg		90	70 - 114
Carbazole	1.33	1.16		mg/Kg		87	65 - 142
Di-n-butyl phthalate	1.33	1.21		mg/Kg		91	65 - 120
Fluoranthene	1.33	1.22		mg/Kg		91	62 - 120
Pyrene	1.33	1.22		mg/Kg		91	61 - 128
Butyl benzyl phthalate	1.33	1.16		mg/Kg		87	71 - 129
Benzo[a]anthracene	1.33	1.12		mg/Kg		84	67 - 122
Chrysene	1.33	1.18		mg/Kg		88	63 - 120
3,3'-Dichlorobenzidine	1.33	0.816		mg/Kg		61	35 - 128
Bis(2-ethylhexyl) phthalate	1.33	1.25		mg/Kg		93	72 - 131
Di-n-octyl phthalate	1.33	1.27		mg/Kg		95	68 - 134
Benzo[b]fluoranthene	1.33	1.19		mg/Kg		89	69 - 129
Benzo[k]fluoranthene	1.33	1.23		mg/Kg		92	68 - 127
Benzo[a]pyrene	1.33	1.22		mg/Kg		92	65 - 133
Indeno[1,2,3-cd]pyrene	1.33	1.23		mg/Kg		92	68 - 130
Dibenz(a,h)anthracene	1.33	1.25		mg/Kg		93	64 - 131
Benzo[g,h,i]perylene	1.33	1.22		mg/Kg		92	72 - 131
3 & 4 Methylphenol	1.33	1.31		mg/Kg		98	57 - 120

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

Lab Sample ID: LCS 500-649351/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 649596 **Prep Batch: 649351**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorophenol	*109*		*31 - 166*
Phenol-d5	*103*		*30 - 153*
Nitrobenzene-d5 (Surr)	*78*		*37 - 147*
2-Fluorobiphenyl (Surr)	*90*		*43 - 145*
2,4,6-Tribromophenol	*102*		*31 - 143*
Terphenyl-d14 (Surr)	*93*		*42 - 157*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 500-648906/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 649180 **Prep Batch: 648906**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<2.0		2.0	0.39	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Arsenic	<1.0		1.0	0.34	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Barium	<1.0		1.0	0.11	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Beryllium	<0.40		0.40	0.093	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Boron	0.581	J	5.0	0.47	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Cadmium	0.0637	J	0.20	0.036	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Calcium	9.06	J	20	3.4	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Chromium	0.798	J	1.0	0.50	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Cobalt	<0.50		0.50	0.13	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Copper	0.435	J	1.0	0.28	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Iron	11.6	J	20	10	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Lead	<0.50		0.50	0.23	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Magnesium	5.45	J	10	5.0	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Manganese	0.214	J	1.0	0.15	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Nickel	<1.0		1.0	0.29	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Potassium	<50		50	18	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Selenium	<1.0		1.0	0.59	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Silver	<0.50		0.50	0.13	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Sodium	<100		100	15	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Thallium	<1.0		1.0	0.50	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Vanadium	0.121	J	0.50	0.12	mg/Kg		03/27/22 21:49	03/28/22 18:13	1
Zinc	<2.0		2.0	0.88	mg/Kg		03/27/22 21:49	03/28/22 18:13	1

Lab Sample ID: LCS 500-648906/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 649180 **Prep Batch: 648906**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	46.5		mg/Kg		93	80 - 120
Arsenic	10.0	8.63		mg/Kg		86	80 - 120
Barium	200	194		mg/Kg		97	80 - 120
Beryllium	5.00	4.53		mg/Kg		91	80 - 120
Boron	100	82.1		mg/Kg		82	80 - 120
Cadmium	5.00	4.44		mg/Kg		89	80 - 120
Calcium	1000	938		mg/Kg		94	80 - 120

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

Lab Sample ID: LCS 500-648906/2-A
Matrix: Solid
Analysis Batch: 649180

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 648906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	20.0	18.5		mg/Kg		93	80 - 120
Cobalt	50.0	46.6		mg/Kg		93	80 - 120
Copper	25.0	23.8		mg/Kg		95	80 - 120
Iron	100	106		mg/Kg		106	80 - 120
Lead	10.0	8.80		mg/Kg		88	80 - 120
Magnesium	1000	919		mg/Kg		92	80 - 120
Manganese	50.0	45.7		mg/Kg		91	80 - 120
Nickel	50.0	45.8		mg/Kg		92	80 - 120
Potassium	1000	954		mg/Kg		95	80 - 120
Selenium	10.0	8.17		mg/Kg		82	80 - 120
Sodium	1000	982		mg/Kg		98	80 - 120
Thallium	10.0	8.62		mg/Kg		86	80 - 120
Vanadium	50.0	46.4		mg/Kg		93	80 - 120
Zinc	50.0	46.1		mg/Kg		92	80 - 120

Lab Sample ID: LCS 500-648906/2-A
Matrix: Solid
Analysis Batch: 649285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 648906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	5.00	4.34		mg/Kg		87	80 - 120

Lab Sample ID: LCS 500-649189/2-A
Matrix: Solid
Analysis Batch: 649443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649189

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.524		mg/L		105	80 - 120
Beryllium	0.0500	0.0497		mg/L		99	80 - 120
Boron	1.00	0.915		mg/L		92	80 - 120
Cadmium	0.0500	0.0524		mg/L		105	80 - 120
Chromium	0.200	0.195		mg/L		98	80 - 120
Cobalt	0.500	0.517		mg/L		103	80 - 120
Iron	1.00	0.999		mg/L		100	80 - 120
Lead	0.100	0.0951		mg/L		95	80 - 120
Manganese	0.500	0.498		mg/L		100	80 - 120
Nickel	0.500	0.510		mg/L		102	80 - 120
Selenium	0.100	0.109		mg/L		109	80 - 120
Silver	0.0500	0.0522		mg/L		104	80 - 120
Zinc	0.500	0.559		mg/L		112	80 - 120

Lab Sample ID: LCS 500-649195/2-A
Matrix: Solid
Analysis Batch: 649649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649195

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.473		mg/L		95	80 - 120

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

Lab Sample ID: LB 500-648921/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 649443 — **Prep Batch: 649189**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.50		0.50	0.050	mg/L		03/29/22 08:53	03/29/22 17:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		03/29/22 08:53	03/29/22 17:20	1
Boron	<0.50		0.50	0.050	mg/L		03/29/22 08:53	03/29/22 17:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		03/29/22 08:53	03/29/22 17:20	1
Chromium	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 17:20	1
Cobalt	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 17:20	1
Iron	<0.40		0.40	0.20	mg/L		03/29/22 08:53	03/29/22 17:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		03/29/22 08:53	03/29/22 17:20	1
Manganese	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 17:20	1
Nickel	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 17:20	1
Selenium	<0.050		0.050	0.020	mg/L		03/29/22 08:53	03/29/22 17:20	1
Silver	<0.025		0.025	0.010	mg/L		03/29/22 08:53	03/29/22 17:20	1
Zinc	<0.50		0.50	0.020	mg/L		03/29/22 08:53	03/29/22 17:20	1

Lab Sample ID: LB 500-648925/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: SPLP East**
Analysis Batch: 649649 — **Prep Batch: 649195**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.025		0.025	0.010	mg/L		03/29/22 08:57	03/30/22 18:12	1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: LCS 500-649189/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 649462 — **Prep Batch: 649189**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.499		mg/L		100	80 - 120
Thallium	0.100	0.0978		mg/L		98	80 - 120

Lab Sample ID: LB 500-648921/1-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 649462 — **Prep Batch: 649189**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0060	mg/L		03/29/22 08:53	03/29/22 17:05	1
Thallium	<0.0020		0.0020	0.0020	mg/L		03/29/22 08:53	03/29/22 17:05	1

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 500-649089/12-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 649260 — **Prep Batch: 649089**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/28/22 15:25	03/29/22 09:27	1

Method: 7470A - TCLP Mercury (Continued)

Lab Sample ID: LCS 500-649089/14-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 649260 — **Prep Batch: 649089**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00200		mg/L		100	80 - 120

Lab Sample ID: LB 500-648921/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 649260 — **Prep Batch: 649089**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		03/28/22 15:25	03/29/22 09:29	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-649258/12-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 649475 — **Prep Batch: 649258**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.017		0.017	0.0056	mg/Kg		03/29/22 14:25	03/30/22 08:27	1

Lab Sample ID: LCS 500-649258/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 649475 — **Prep Batch: 649258**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.186		mg/Kg		112	80 - 120

Lab Sample ID: 500-213883-1 MS — **Client Sample ID: 3630V-04-B01 (0-4)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 649475 — **Prep Batch: 649258**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.024		0.0853	0.120		mg/Kg	☼	113	75 - 125

Lab Sample ID: 500-213883-1 MSD — **Client Sample ID: 3630V-04-B01 (0-4)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 649475 — **Prep Batch: 649258**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.024		0.0854	0.121		mg/Kg	☼	114	75 - 125	1	20

Lab Sample ID: 500-213883-1 DU — **Client Sample ID: 3630V-04-B01 (0-4)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 649475 — **Prep Batch: 649258**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.024		0.0254		mg/Kg	☼	6	20

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Method: 9045D - pH

Lab Sample ID: 500-213883-1 DU
Matrix: Solid
Analysis Batch: 648907

Client Sample ID: 3630V-04-B01 (0-4)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.6			8.6		SU				0.3	

Lab Chronicle

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B01 (0-4)

Date Collected: 03/18/22 09:20
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			648925	03/25/22 17:08	EA	TAL CHI
SPLP East	Prep	3010A			649195	03/29/22 08:57	BDE	TAL CHI
SPLP East	Analysis	6010B		1	649649	03/30/22 18:31	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6010B		1	649443	03/29/22 18:19	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6020A		1	649462	03/29/22 17:45	FXG	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	7470A			649089	03/28/22 15:25	MJG	TAL CHI
TCLP	Analysis	7470A		1	649260	03/29/22 10:05	MJG	TAL CHI
Total/NA	Analysis	9045D		1	648907	03/25/22 18:13	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	648629	03/24/22 12:21	LWN	TAL CHI

Client Sample ID: 3630V-04-B01 (0-4)

Date Collected: 03/18/22 09:20
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-1

Matrix: Solid
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			647841	03/18/22 18:14	WRE	TAL CHI
Total/NA	Analysis	8260B		1	648887	03/27/22 17:02	PMF	TAL CHI
Total/NA	Prep	3541			649351	03/30/22 06:56	FRG	TAL CHI
Total/NA	Analysis	8270D		1	649653	03/31/22 17:43	SS	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		1	649180	03/28/22 19:02	JJB	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		5	649285	03/29/22 11:41	JJB	TAL CHI
Total/NA	Prep	7471B			649258	03/29/22 14:25	MJG	TAL CHI
Total/NA	Analysis	7471B		1	649475	03/30/22 08:53	MJG	TAL CHI

Client Sample ID: 3630V-04-B01 (4-8)

Date Collected: 03/18/22 09:45
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			648925	03/25/22 17:08	EA	TAL CHI
SPLP East	Prep	3010A			649195	03/29/22 08:57	BDE	TAL CHI
SPLP East	Analysis	6010B		1	649649	03/30/22 18:34	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6010B		1	649443	03/29/22 18:22	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6020A		1	649462	03/29/22 17:47	FXG	TAL CHI

Lab Chronicle

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B01 (4-8)

Date Collected: 03/18/22 09:45
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	7470A			649089	03/28/22 15:25	MJG	TAL CHI
TCLP	Analysis	7470A		1	649260	03/29/22 10:12	MJG	TAL CHI
Total/NA	Analysis	9045D		1	648907	03/25/22 18:18	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	648629	03/24/22 12:21	LWN	TAL CHI

Client Sample ID: 3630V-04-B01 (4-8)

Date Collected: 03/18/22 09:45
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-2

Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			647841	03/18/22 18:14	WRE	TAL CHI
Total/NA	Analysis	8260B		1	648887	03/27/22 17:28	PMF	TAL CHI
Total/NA	Prep	3541			649351	03/30/22 06:56	FRG	TAL CHI
Total/NA	Analysis	8270D		1	649653	03/31/22 18:06	SS	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		1	649180	03/28/22 19:05	JJB	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		5	649285	03/29/22 11:44	JJB	TAL CHI
Total/NA	Prep	7471B			649258	03/29/22 14:25	MJG	TAL CHI
Total/NA	Analysis	7471B		1	649475	03/30/22 09:01	MJG	TAL CHI

Client Sample ID: 3630V-04-B02 (0-1)

Date Collected: 03/18/22 08:40
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6010B		1	649443	03/29/22 18:25	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6020A		1	649462	03/29/22 17:49	FXG	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	7470A			649089	03/28/22 15:25	MJG	TAL CHI
TCLP	Analysis	7470A		1	649260	03/29/22 10:14	MJG	TAL CHI
Total/NA	Analysis	9045D		1	648907	03/25/22 18:20	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	648629	03/24/22 12:21	LWN	TAL CHI

Client Sample ID: 3630V-04-B02 (0-1)

Lab Sample ID: 500-213883-3
Date Collected: 03/18/22 08:40
Matrix: Solid
Date Received: 03/18/22 14:15
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			647841	03/18/22 18:14	WRE	TAL CHI
Total/NA	Analysis	8260B		1	648887	03/27/22 17:54	PMF	TAL CHI
Total/NA	Prep	3541			649351	03/30/22 06:56	FRG	TAL CHI
Total/NA	Analysis	8270D		1	649653	03/31/22 18:31	SS	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		1	649180	03/28/22 19:09	JJB	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		5	649285	03/29/22 11:47	JJB	TAL CHI
Total/NA	Prep	7471B			649258	03/29/22 14:25	MJG	TAL CHI
Total/NA	Analysis	7471B		1	649475	03/30/22 09:07	MJG	TAL CHI

Client Sample ID: 3630V-04-B03 (0-4)

Lab Sample ID: 500-213883-4
Date Collected: 03/18/22 09:00
Matrix: Solid
Date Received: 03/18/22 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			648925	03/25/22 17:08	EA	TAL CHI
SPLP East	Prep	3010A			649195	03/29/22 08:57	BDE	TAL CHI
SPLP East	Analysis	6010B		1	649649	03/30/22 18:37	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6010B		1	649443	03/29/22 18:29	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6020A		1	649462	03/29/22 17:51	FXG	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	7470A			649089	03/28/22 15:25	MJG	TAL CHI
TCLP	Analysis	7470A		1	649260	03/29/22 10:16	MJG	TAL CHI
Total/NA	Analysis	9045D		1	648907	03/25/22 18:23	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	648629	03/24/22 12:21	LWN	TAL CHI

Client Sample ID: 3630V-04-B03 (0-4)

Lab Sample ID: 500-213883-4
Date Collected: 03/18/22 09:00
Matrix: Solid
Date Received: 03/18/22 14:15
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			647841	03/18/22 18:14	WRE	TAL CHI
Total/NA	Analysis	8260B		1	648887	03/27/22 18:20	PMF	TAL CHI
Total/NA	Prep	3541			649351	03/30/22 06:56	FRG	TAL CHI
Total/NA	Analysis	8270D		1	649653	03/31/22 18:54	SS	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		1	649180	03/28/22 19:13	JJB	TAL CHI
Total/NA	Prep	7471B			649258	03/29/22 14:25	MJG	TAL CHI
Total/NA	Analysis	7471B		1	649475	03/30/22 09:09	MJG	TAL CHI

Client Sample ID: 3630V-04-B03 (0-4)D

Lab Sample ID: 500-213883-5

Date Collected: 03/18/22 09:00

Matrix: Solid

Date Received: 03/18/22 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6010B		1	649443	03/29/22 18:39	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6020A		1	649462	03/29/22 17:53	FXG	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	7470A			649089	03/28/22 15:25	MJG	TAL CHI
TCLP	Analysis	7470A		1	649260	03/29/22 10:18	MJG	TAL CHI
Total/NA	Analysis	9045D		1	648907	03/25/22 18:25	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	648629	03/24/22 12:21	LWN	TAL CHI

Client Sample ID: 3630V-04-B03 (0-4)D

Lab Sample ID: 500-213883-5

Date Collected: 03/18/22 09:00

Matrix: Solid

Date Received: 03/18/22 14:15

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			647841	03/18/22 18:14	WRE	TAL CHI
Total/NA	Analysis	8260B		1	648887	03/27/22 18:46	PMF	TAL CHI
Total/NA	Prep	3541			649351	03/30/22 06:56	FRG	TAL CHI
Total/NA	Analysis	8270D		1	649653	03/31/22 19:18	SS	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		1	649180	03/28/22 19:16	JJB	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		5	649285	03/29/22 11:51	JJB	TAL CHI
Total/NA	Prep	7471B			649258	03/29/22 14:25	MJG	TAL CHI
Total/NA	Analysis	7471B		1	649475	03/30/22 09:11	MJG	TAL CHI

Client Sample ID: 3630V-04-B03 (4-8)

Lab Sample ID: 500-213883-6

Date Collected: 03/18/22 09:15

Matrix: Solid

Date Received: 03/18/22 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			648925	03/25/22 17:08	EA	TAL CHI
SPLP East	Prep	3010A			649195	03/29/22 08:57	BDE	TAL CHI
SPLP East	Analysis	6010B		1	649649	03/30/22 18:40	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6010B		1	649443	03/29/22 18:42	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6020A		1	649462	03/29/22 17:55	FXG	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	7470A			649089	03/28/22 15:25	MJG	TAL CHI
TCLP	Analysis	7470A		1	649260	03/29/22 10:20	MJG	TAL CHI

Client Sample ID: 3630V-04-B03 (4-8)

Lab Sample ID: 500-213883-6

Date Collected: 03/18/22 09:15

Matrix: Solid

Date Received: 03/18/22 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	648907	03/25/22 18:28	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	648629	03/24/22 12:21	LWN	TAL CHI

Client Sample ID: 3630V-04-B03 (4-8)

Lab Sample ID: 500-213883-6

Date Collected: 03/18/22 09:15

Matrix: Solid

Date Received: 03/18/22 14:15

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			647841	03/18/22 18:14	WRE	TAL CHI
Total/NA	Analysis	8260B		1	648887	03/27/22 19:12	PMF	TAL CHI
Total/NA	Prep	3541			649351	03/30/22 06:56	FRG	TAL CHI
Total/NA	Analysis	8270D		1	649653	03/31/22 19:42	SS	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		1	649180	03/28/22 19:20	JJB	TAL CHI
Total/NA	Prep	7471B			649258	03/29/22 14:25	MJG	TAL CHI
Total/NA	Analysis	7471B		1	649475	03/30/22 09:13	MJG	TAL CHI

Client Sample ID: 3630V-04-B04 (0-1)

Lab Sample ID: 500-213883-7

Date Collected: 03/18/22 10:00

Matrix: Solid

Date Received: 03/18/22 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP East	Leach	1312			648925	03/25/22 17:08	EA	TAL CHI
SPLP East	Prep	3010A			649195	03/29/22 08:57	BDE	TAL CHI
SPLP East	Analysis	6010B		1	649649	03/30/22 18:44	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6010B		1	649443	03/29/22 18:46	JJB	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	3010A			649189	03/29/22 08:53	BDE	TAL CHI
TCLP	Analysis	6020A		1	649462	03/29/22 17:57	FXG	TAL CHI
TCLP	Leach	1311			648921	03/25/22 17:20	EA	TAL CHI
TCLP	Prep	7470A			649089	03/28/22 15:25	MJG	TAL CHI
TCLP	Analysis	7470A		1	649260	03/29/22 10:22	MJG	TAL CHI
Total/NA	Analysis	9045D		1	648907	03/25/22 18:30	LWN	TAL CHI
Total/NA	Analysis	Moisture		1	648629	03/24/22 12:21	LWN	TAL CHI

Client Sample ID: 3630V-04-B04 (0-1)

Lab Sample ID: 500-213883-7

Date Collected: 03/18/22 10:00

Matrix: Solid

Date Received: 03/18/22 14:15

Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			647841	03/18/22 18:14	WRE	TAL CHI
Total/NA	Analysis	8260B		1	648887	03/27/22 19:39	PMF	TAL CHI

Lab Chronicle

Client: Environmental Design International, Inc.
Project/Site: IDOT - 196-002 - WO 009

Job ID: 500-213883-1

Client Sample ID: 3630V-04-B04 (0-1)

Date Collected: 03/18/22 10:00
Date Received: 03/18/22 14:15

Lab Sample ID: 500-213883-7

Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			649351	03/30/22 06:56	FRG	TAL CHI
Total/NA	Analysis	8270D		1	649653	03/31/22 20:06	SS	TAL CHI
Total/NA	Prep	3050B			648906	03/27/22 21:49	WRE	TAL CHI
Total/NA	Analysis	6010B		1	649180	03/28/22 19:23	JJB	TAL CHI
Total/NA	Prep	7471B			649258	03/29/22 14:25	MJG	TAL CHI
Total/NA	Analysis	7471B		1	649475	03/30/22 09:15	MJG	TAL CHI

Laboratory References:

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

Accreditation/Certification Summary

Client: Environmental Design International, Inc. Job ID: 500-213883-1
Project/Site: IDOT - 196-002 - WO 009

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-29-22

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

213883 COC

Client Information	Sampler: Michael Fischer	Lab PM: Wright, Richard	Carrier Tracking No(s):	Page: 1 of 1
Client Contact: Michael Fischer	Phone: 847-312-7670	E-Mail: Richard.Wright@Eurofinset.com	State of Origin: Illinois	
Company: Environmental Design International Inc.	PWSID:	Analysis Requested		Job #: 500-213883
Address: 33 W Monroe St Suite 1825	Due Date Requested:			Preservation Codes: A HCl, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Z other (specify)
City: Chicago	TAT Requested (days): Standard			
State, Zip: IL 60603-5326	Compliance Project: Δ Yes Δ No			
Phone: 312-345-1400	PO #: 0945 035			
Email: mfischer@envdesignı com	WO #: 196-002 - WO 09A			
Project Name: IDOT - 196-002 - WO 09A	Lab Project #:			
Site: FAU 1223 (Washington Street) Park City Lake County IL				

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOC	SVOC	Metals	TCLP Metals	pH	Solids	Total Number of containers	Special Instructions/Note
	Preservation Code:														
1	3630√-04-B01(0-4)	3-18-22	0920	G	S			X	X	X	X	X	X		
2	B01(4-8)		0945												
3	B02(0-1)		0840												
4	B03(0-4)		0900												
5	B03(0-4)D		0900												
6	B03(4-8)		0915												
7	B04(0-1)		1000												

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	3-18-22 1100	EDI	[signature]	3/18/22 1100	EETA
2	[signature]	3/18/22 1415	EDI	[signature]	3/18/22 1415	EETA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 4.7

Ver 01 16/2019

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-213883-1

Login Number: 213883
List Number: 1
Creator: James, Jeff A

List Source: Eurofins Chicago

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	
Cooler Temperature is recorded.	True	4.7
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	