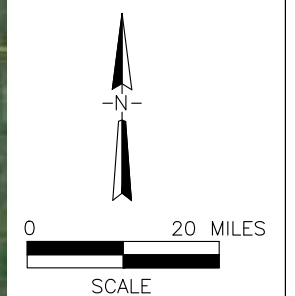
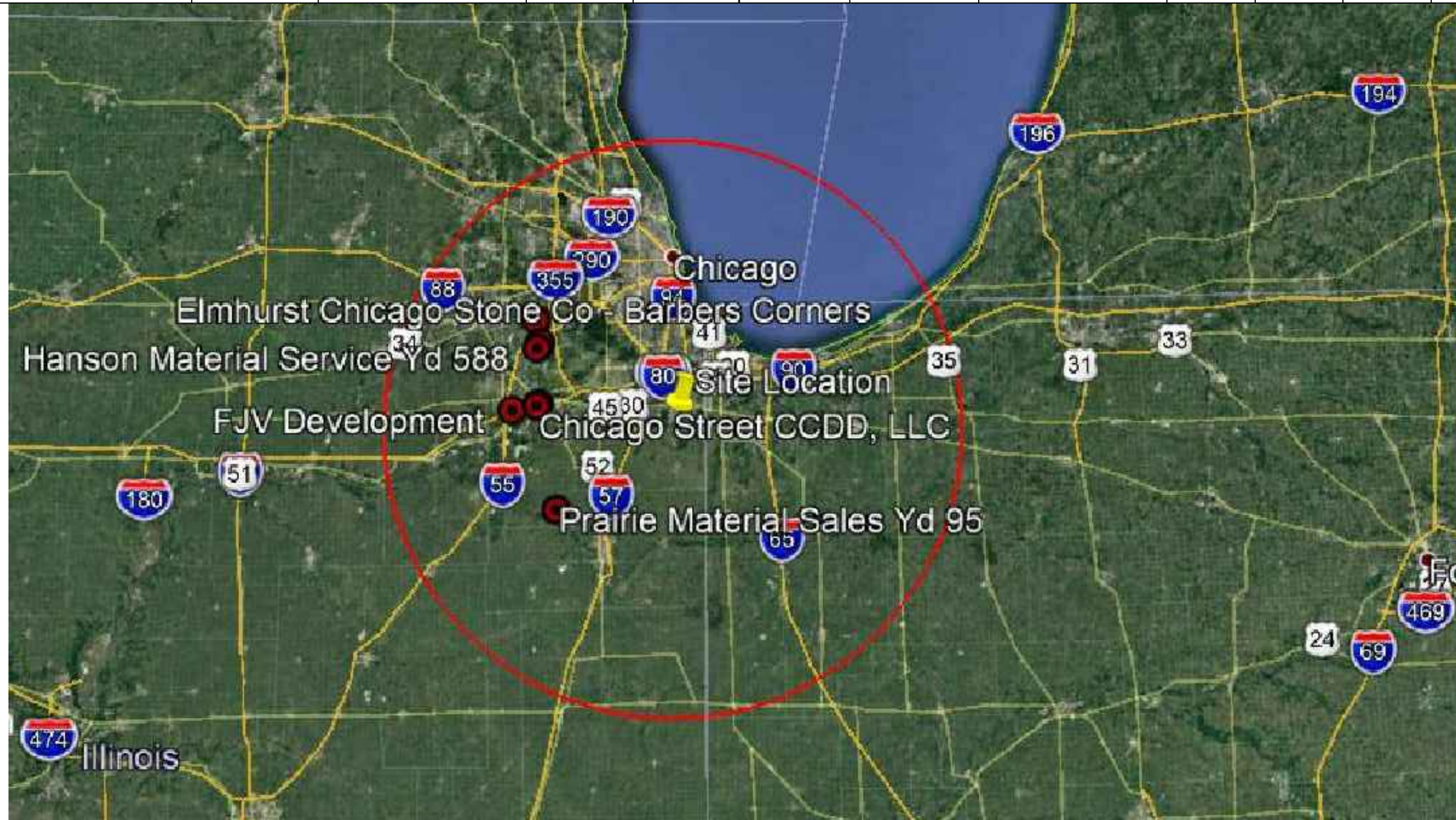


CCDD Facilities												
Name	Site Number	Site Address	City	County	Zip	Phone	Contact	Accepts Soil	Accepts Concrete	Accepts Asphalt	Date Confirmed	Confirmed By
Chicago Street CCDD, LLC	1970455178	1127 S Chicago St	Joliet	Will	60436	815-723-3000	Sandeno, Kenneth	Yes	Yes	Yes	2/10/2020	MD
Elmhurst Chicago Stone Co-Barbers Corners	1978030002	351 Royce Road	Bolingbrook	Will/DuPage	60490	630-832-4000	Peter, Stamatopoulos	Yes	Yes	No	5/17/2017	KF
FJV Development	1978175017	2951 Mound Rd	Joliet	Will	60436	708-774-9300	Koty, John	Yes	No	No	2/10/2020	MD
Hanson Material Service Yd 588	1970900001	Route 53	Romeoville	Will	60446	312-213-6083	Hall, Bret	Yes	Yes	Yes	2/10/2020	MD
Orange Crush LLC-Romeoville	1970905104	1001 Independence Ave	Romeoville	Will	60446	708-544-9440	Ron, Bobkowski	No	No	No	2/10/2020	MD
Prairie Material Sales Yd 95	918065001	8215-C N Route 45/52	Manteno	Kankakee	60950	815-468-8700	Plummer, David	Yes	Yes	Yes	2/10/2020	MD
Richards St CCDD	1974450034	800 S Richards St	Joliet	Will	60432	815-744-6633	Hess Jr, Phil	No	Yes	Yes	10/23/2018	AH



IDOT PROJECT NO. W11-11 FIGURE B-1
 CCDD AND USFO FACILITIES WITHIN 50 MILES
 FAP 876; IL ROUTE 1 (MAIN STREET)
 OVER DEER CREEK
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 Crete, Will County, Illinois

300 Plaza Circle
 Suite 202
 Mundelein, Illinois
 60060

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Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 876: IL Route 1 (Main Street) over Deer Creek Office Phone Number, if available: _____

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

900 block of Main Street (ISGS Site No. 3074V2-2)

City: Crete State: IL Zip Code: 60417

County: Will Township: Crete

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

Latitude: 41.45817 Longitude: - 87.63374
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

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

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

Estimated Volume of debris (cu. Yd.): 135

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

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

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

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATION OF RR-1 WAS SAMPLED AT SITE 3074V2-2. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-183012-1

ALSO, SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

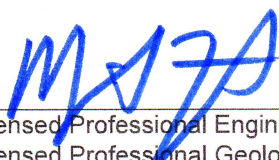
IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

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

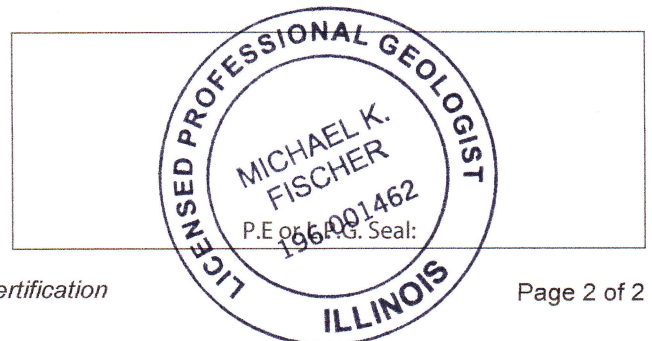
Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

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

Michael Fischer
Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

4/23/21
Date:



Summary Table of ISGS Site No. 3074V2-2
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
Illinois Department of Transportation
FAP 876: IL Route 1 (Main Street) Over Deer Creek
Crete, Will County, Illinois

Parameter	Soil Reference Concentrations ^A	Location	RR-1
		Sample Date	6/4/2020
		Field Sample ID	RR-1(0-2)
		Lab Sample ID	500-183012-13
		ISGS Site Number	3074V2-002
		Result Units	
General Chemistry			
Laboratory pH	---	s.u.	8.4
VOCs (mg/kg)			
Acetone	25	mg/kg	ND
Methyl ethyl ketone	---	mg/kg	ND
SVOCs (mg/kg)			
2-Methylnaphthalene	---	mg/kg	0.0098 J
Acenaphthene	570	mg/kg	0.018 J
Acenaphthylene	---	mg/kg	0.0097 J
Anthracene	12000	mg/kg	0.084
Benzo(a)anthracene	0.9 / 1.1 / 1.8	mg/kg	0.31
Benzo(a)pyrene	0.09 / 1.3 / 2.1	mg/kg	0.46
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	mg/kg	0.44
Benzo(g,h,i)perylene	---	mg/kg	0.25
Benzo(k)fluoranthene	9	mg/kg	0.19
bis(2-Ethylhexyl)phthalate	46	mg/kg	ND
Carbazole	0.6	mg/kg	ND
Chrysene	88.00001	mg/kg	0.35
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	mg/kg	0.07
Dibenzofuran	---	mg/kg	ND
Fluoranthene	3100	mg/kg	0.72
Fluorene	560	mg/kg	0.018 J
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	mg/kg	0.16
Naphthalene, SVOC	1.8	mg/kg	0.0066 J
Phenanthrene	---	mg/kg	0.42
Pyrene	2300	mg/kg	0.64

Continued on next page

Summary Table of ISGS Site No. 3074V2-2
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
Illinois Department of Transportation
FAP 876: IL Route 1 (Main Street) Over Deer Creek
Crete, Will County, Illinois

Parameter	Soil Reference Concentrations ^A	Location	RR-1
		Sample Date	6/4/2020
		Field Sample ID	RR-1(0-2)
		Lab Sample ID	500-183012-13
		ISGS Site Number	3074V2-002
Result Units			
Total Metals (mg/kg)			
Antimony, Total	5	mg/kg	0.96 J
Arsenic, Total	11.3 / 13.0	mg/kg	6.8
Barium, Total	1500	mg/kg	60
Beryllium, Total	22	mg/kg	0.85
Cadmium, Total	5.2	mg/kg	0.2
Calcium, Total	---	mg/kg	9200
Chromium, Total	21	mg/kg	18 B
Cobalt, Total	20	mg/kg	11
Copper, Total	2900	mg/kg	25
Iron, Total	15000 / 15900	mg/kg	13000
Lead, Total	107	mg/kg	57
Magnesium, Total	325000	mg/kg	6600
Manganese, Total	630 / 636	mg/kg	350
Mercury, Total	0.89	mg/kg	0.027
Nickel, Total	100	mg/kg	27
Potassium, Total	---	mg/kg	2000
Selenium, Total	1.3	mg/kg	ND
Sodium, Total	---	mg/kg	1800
Thallium, Total	2.6	mg/kg	ND
Vanadium, Total	550	mg/kg	23
Zinc, Total	5100	mg/kg	100
TCLP Metals (mg/L)			
Barium, TCLP	---	mg/l	0.36 J
Beryllium, TCLP	---	mg/l	ND
Cadmium, TCLP	---	mg/l	ND
Chromium, TCLP	---	mg/l	ND
Cobalt, TCLP	---	mg/l	ND
Iron, TCLP	---	mg/l	ND
Lead, TCLP	---	mg/l	0.014
Manganese, TCLP	---	mg/l	0.83
Nickel, TCLP	---	mg/l	ND
Selenium, TCLP	---	mg/l	ND
Zinc, TCLP	---	mg/l	0.032 J
SPLP Metals (mg/L)			
Arsenic, SPLP	---	mg/l	0.077
Barium, SPLP	---	mg/l	0.61
Beryllium, SPLP	---	mg/l	0.0099
Cadmium, SPLP	---	mg/l	ND
Chromium, SPLP	---	mg/l	0.21
Cobalt, SPLP	---	mg/l	0.055
Copper, SPLP	---	mg/l	0.19
Iron, SPLP	---	mg/l	200 J
Lead, SPLP	---	mg/l	0.47
Manganese, SPLP	---	mg/l	1.1 J
Mercury, SPLP	---	mg/l	0.00054
Nickel, SPLP	---	mg/l	0.2
Selenium, SPLP	---	mg/l	ND
Zinc, SPLP	---	mg/l	0.82

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^B - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Shaded values indicate concentration exceeds Reference Concentration.

ANALYTICAL REPORT

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

Laboratory Job ID: 500-183012-1
Client Project/Site: IDOT - Crete - WO 011
Revision: 1

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

Attn: Michael Fischer



Authorized for release by:
6/17/2020 11:16:44 AM

Richard Wright, Senior Project Manager
(708)746-0045
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

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
6010B	Total Metals	SW846	TAL CHI
7470A	Mercury (CVAA)	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 TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: RR-1(0-2)

Lab Sample ID: 500-183012-13

Date Collected: 06/04/20 12:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.7		1.7	0.56	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
1,1,2,2-Tetrachloroethane	<1.7		1.7	0.53	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
1,1,2-Trichloroethane	<1.7		1.7	0.72	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
1,1-Dichloroethane	<1.7		1.7	0.57	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
1,1-Dichloroethene	<1.7		1.7	0.57	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
1,2-Dichloroethane	<4.2		4.2	1.3	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
1,2-Dichloropropane	<1.7		1.7	0.43	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
1,3-Dichloropropene, Total	<1.7		1.7	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
2-Hexanone	<4.2		4.2	1.3	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Acetone	<17		17	7.3	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Benzene	<1.7		1.7	0.43	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Bromodichloromethane	<1.7		1.7	0.34	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Bromoform	<1.7		1.7	0.49	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Bromomethane	<4.2		4.2	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Carbon disulfide	<4.2		4.2	0.87	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Carbon tetrachloride	<1.7		1.7	0.48	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Chlorobenzene	<1.7		1.7	0.62	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Chloroethane	<4.2 *		4.2	1.2	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Chloroform	<1.7		1.7	0.58	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Chloromethane	<4.2		4.2	1.7	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
cis-1,2-Dichloroethene	<1.7		1.7	0.47	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
cis-1,3-Dichloropropene	<1.7		1.7	0.50	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Dibromochloromethane	<1.7		1.7	0.55	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Ethylbenzene	<1.7		1.7	0.80	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Methyl Ethyl Ketone	<4.2		4.2	1.9	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
methyl isobutyl ketone	<4.2		4.2	1.2	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Methyl tert-butyl ether	<1.7		1.7	0.49	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Methylene Chloride	<4.2		4.2	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Styrene	<1.7		1.7	0.50	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Tetrachloroethene	<1.7		1.7	0.57	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Toluene	<1.7		1.7	0.42	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
trans-1,2-Dichloroethene	<1.7		1.7	0.74	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
trans-1,3-Dichloropropene	<1.7		1.7	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Trichloroethene	<1.7		1.7	0.56	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Vinyl chloride	<1.7		1.7	0.74	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1
Xylenes, Total	<3.3		3.3	0.53	ug/Kg	☼	06/04/20 18:12	06/05/20 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	06/04/20 18:12	06/05/20 18:23	1
4-Bromofluorobenzene (Surr)	100		75 - 131	06/04/20 18:12	06/05/20 18:23	1
Dibromofluoromethane	101		75 - 126	06/04/20 18:12	06/05/20 18:23	1
Toluene-d8 (Surr)	95		75 - 124	06/04/20 18:12	06/05/20 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: RR-1(0-2)

Lab Sample ID: 500-183012-13

Date Collected: 06/04/20 12:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2-Methylnaphthalene	9.8	J	78	7.1	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2-Methylphenol	<190		190	62	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Acenaphthene	18	J	38	6.9	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Acenaphthylene	9.7	J	38	5.1	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Anthracene	84		38	6.5	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Benzo[a]anthracene	310		38	5.2	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Benzo[a]pyrene	460		38	7.5	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Benzo[b]fluoranthene	440		38	8.3	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Benzo[g,h,i]perylene	250		38	12	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Benzo[k]fluoranthene	190		38	11	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Carbazole	<190		190	96	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Chrysene	350		38	11	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Dibenz(a,h)anthracene	70		38	7.5	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Dibenzofuran	<190		190	45	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Fluoranthene	720		38	7.2	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Fluorene	18	J	38	5.4	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Hexachloroethane	<190		190	59	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: RR-1(0-2)

Lab Sample ID: 500-183012-13

Date Collected: 06/04/20 12:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	160		38	10	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Isophorone	<190		190	43	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Naphthalene	6.6	J	38	5.9	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Phenanthrene	420		38	5.4	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Phenol	<190		190	86	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Pyrene	640		38	7.7	ug/Kg	☼	06/11/20 16:39	06/12/20 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>2,4,6-Tribromophenol</i>	74		31 - 143				06/11/20 16:39	06/12/20 14:06	1
<i>2-Fluorobiphenyl</i>	87		43 - 145				06/11/20 16:39	06/12/20 14:06	1
<i>2-Fluorophenol</i>	86		31 - 166				06/11/20 16:39	06/12/20 14:06	1
<i>Nitrobenzene-d5</i>	76		37 - 147				06/11/20 16:39	06/12/20 14:06	1
<i>Phenol-d5</i>	97		30 - 153				06/11/20 16:39	06/12/20 14:06	1
<i>Terphenyl-d14</i>	99		42 - 157				06/11/20 16:39	06/12/20 14:06	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/10/20 05:40	06/10/20 21:11	1
Barium	0.36	J	0.50	0.050	mg/L		06/10/20 05:40	06/10/20 21:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/10/20 05:40	06/10/20 21:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/10/20 21:11	1
Chromium	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 21:11	1
Cobalt	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 21:11	1
Copper	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 21:11	1
Iron	<0.40		0.40	0.20	mg/L		06/10/20 05:40	06/10/20 21:11	1
Lead	0.014		0.0075	0.0075	mg/L		06/10/20 05:40	06/10/20 21:11	1
Manganese	0.83		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 21:11	1
Nickel	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 21:11	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/10/20 21:11	1
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 21:11	1
Zinc	0.032	J	0.50	0.020	mg/L		06/10/20 05:40	06/10/20 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		06/10/20 05:40	06/11/20 01:24	1
Barium	0.61		0.50	0.050	mg/L		06/10/20 05:40	06/11/20 01:24	1
Beryllium	0.0099		0.0040	0.0040	mg/L		06/10/20 05:40	06/11/20 01:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/11/20 01:24	1
Chromium	0.21		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:24	1
Cobalt	0.055		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:24	1
Copper	0.19		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:24	1
Iron	200	V	0.40	0.20	mg/L		06/10/20 05:40	06/11/20 01:24	1
Lead	0.47		0.0075	0.0075	mg/L		06/10/20 05:40	06/11/20 01:24	1
Manganese	1.1	V	0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:24	1
Nickel	0.20		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:24	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/11/20 01:24	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: RR-1(0-2)

Lab Sample ID: 500-183012-13

Date Collected: 06/04/20 12:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:24	1
Zinc	0.82		0.50	0.020	mg/L		06/10/20 05:40	06/11/20 01:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.96	J	1.1	0.21	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Arsenic	6.8		0.54	0.19	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Barium	60		0.54	0.062	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Beryllium	0.85		0.22	0.051	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Cadmium	0.20		0.11	0.020	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Calcium	9200		11	1.8	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Chromium	18	B	0.54	0.27	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Cobalt	11		0.27	0.071	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Copper	25		0.54	0.15	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Iron	13000		11	5.6	mg/Kg	☼	06/08/20 18:32	06/10/20 10:42	1
Lead	57		0.27	0.13	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Magnesium	6600		5.4	2.7	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Manganese	350		0.54	0.079	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Nickel	27		0.54	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Potassium	2000		27	9.6	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Selenium	<0.54		0.54	0.32	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Silver	<0.27		0.27	0.070	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Sodium	1800		54	8.0	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Thallium	<0.54		0.54	0.27	mg/Kg	☼	06/08/20 18:32	06/10/20 10:42	1
Vanadium	23		0.27	0.064	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1
Zinc	100		1.1	0.48	mg/Kg	☼	06/08/20 18:32	06/09/20 11:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 08:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.54		0.50	0.50	ug/L		06/10/20 09:50	06/11/20 09:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27		19	6.2	ug/Kg	☼	06/10/20 13:40	06/11/20 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.4		0.2	0.2	SU			06/09/20 10:52	1

Definitions/Glossary

Client: Environmental Design International, Inc.
 Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
V	Serial Dilution exceeds the control limits

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

Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20 *

1

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

Chain of Custody Record 457874



Environment Testing
TestAmerica

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: M. Fischer		Site Contact: _____		Date: 6-4-20		COC No: _____	
Company Name: EPI		Tel/Email: M.Fischer@envdot.org		Lab Contact: R. Weisheit		Carrier: _____		1 of 2 COCs	
Address: 33 W. Monroe, Ste. 1825		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TCLP / SPLP Metals PH		 500-183012 COC		Sampler: M-Fischer	
City/State/Zip: Chicago, IL 60603		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only:	
Phone: 312-345-1400		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client: _____	
Fax: _____								Lab Sampling: _____	
Project Name: PTB 190-006-WO 011A								Job / SDG No.: 500-183012	
Site: _____								Sample Specific Notes:	
P O # 0295.030									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.			
1	CB7-1 (0-2)	6/4/20	0900	G	S	5	X	X	X
2	CB7-2 (0-2)		0915						
3	CB7-2 (2-7)		0930						
4	CB7-2 (2-7) DUP		0930						
5	DC-1 (0-4)		0945						
6	DC-1 (4-9)		1000						
7	DC-1 (4-9) DUP		1000						
8	MH-1 (0-2)		1020						
9	RR-3 (0-4)		1040						
10	DC-12 (0-4) <i>SMH 6/17/20</i>		1055						
11	DC-12 (4-8) <i>SMH 6/17/20</i>		1105						
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____									
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months				
Special Instructions/QC Requirements & Comments: 6.0, 5.6									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____		Corr'd: 1		Therm ID No.:	
Relinquished by: <i>MFA</i>		Company: EPI		Date/Time: 6/4/20 1300		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <i>Shaw Scott</i>		Company: TA-CHE	
								Date/Time: 6/4/20 1300	

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: M. Fischer		Site Contact:		Date: 6-4-20		COC No:	
Company Name: EDI		Tel/Email: mfischer@envirogen.com		Lab Contact: R. Wright		Carrier: _____		2 of 2 COCs	
Address: 33 W. Monroe Ste. 1825		Analysis Turnaround Time							
City/State/Zip: Chicago, IL 60603		<input type="checkbox"/> CALENDAR DAYS		<input type="checkbox"/> WORKING DAYS					
Phone: 312-345-1400		TAT if different from Below _____							
Fax: _____		<input type="checkbox"/> 2 weeks		<input type="checkbox"/> 1 week					
Project Name: PTB 190-006-W0011A		<input type="checkbox"/> 2 days		<input type="checkbox"/> 1 day					
Site: _____									
P O # 0295.030									

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes:					
								VOCs	SVOCs	Total Metals	ICLP/SPLP Metals	PH	
RR-2 (0-4)	6/4/20	1330	G	S	5			X	X	X	X	X	
RR-1 (0-2)	1	1200	I	I	I			X	X	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard Flammable Skin Irritant Poison B Unknown

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____		Corr'd: _____		Therm ID No.: _____	
Relinquished by: <i>M.A.A.</i>		Company: EDI		Date/Time: 6/4/20 1300		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <i>Shirley Scott</i>		Company: TA-CRT	
								Date/Time: 6/4/20 1300	



Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-183012-1

Login Number: 183012

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.0,5.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 876: IL Route 1 (Main Street) over Deer Creek Office Phone Number, if available: _____

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

911-925 Main Street (ISGS Site No. 3074V2-5)

City: Crete State: IL Zip Code: 60417

County: Will Township: Crete

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

Latitude: 41.45898 Longitude: - 87.63369
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

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

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

Estimated Volume of debris (cu. Yd.): 237

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

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

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

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATION OF MH-1 WAS SAMPLED AT SITE 3074V2-5. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-183012-1
ALSO, SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

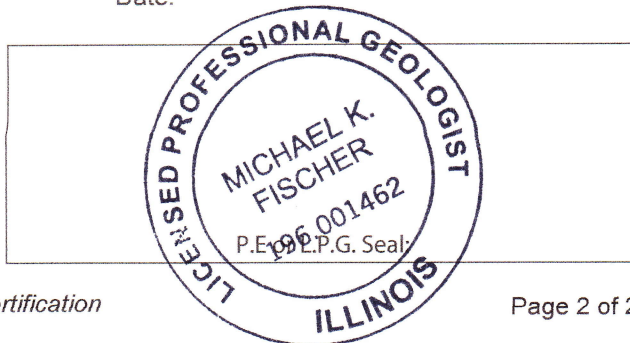
Company Name: Environmental Design International inc.
Street Address: 33 West Monroe Street, Suite 1825
City: Chicago State: IL Zip Code: 60603
Phone: 312-345-1400

Michael Fischer
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

4/23/21

Date:



Summary Table of ISGS Site No. 3074V2-5
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
Illinois Department of Transportation
FAP 876: IL Route 1 (Main Street) Over Deer Creek
Crete, Will County, Illinois

Parameter	Soil Reference Concentrations ^A	Location	MH-1
		Sample Date	6/4/2020
		Field Sample ID	MH-1(0-2)
		Lab Sample ID	500-183012-8
		ISGS Site Number	3074V2-005
		Result Units	
General Chemistry			
Laboratory pH	---	s.u.	7.8
VOCs (mg/kg)			
Acetone	25	mg/kg	ND
Methyl ethyl ketone	---	mg/kg	ND
SVOCs (mg/kg)			
2-Methylnaphthalene	---	mg/kg	0.084
Acenaphthene	570	mg/kg	0.034 J
Acenaphthylene	---	mg/kg	ND
Anthracene	12000	mg/kg	0.053
Benzo(a)anthracene	0.9 / 1.1 / 1.8	mg/kg	0.14
Benzo(a)pyrene	0.09 / 1.3 / 2.1	mg/kg	0.25 J
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	mg/kg	0.32 J
Benzo(g,h,i)perylene	---	mg/kg	0.14 J
Benzo(k)fluoranthene	9	mg/kg	0.12 J
bis(2-Ethylhexyl)phthalate	46	mg/kg	ND
Carbazole	0.6	mg/kg	ND
Chrysene	88.00001	mg/kg	0.2
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	mg/kg	0.027 J
Dibenzofuran	---	mg/kg	ND
Fluoranthene	3100	mg/kg	0.31
Fluorene	560	mg/kg	0.037
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	mg/kg	0.081 J
Naphthalene, SVOC	1.8	mg/kg	0.038
Phenanthrene	---	mg/kg	0.21
Pyrene	2300	mg/kg	0.38

Continued on next page

Summary Table of ISGS Site No. 3074V2-5
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
Illinois Department of Transportation
FAP 876: IL Route 1 (Main Street) Over Deer Creek
Crete, Will County, Illinois

Parameter	Soil Reference Concentrations ^A	Location	MH-1
		Sample Date	6/4/2020
		Field Sample ID	MH-1(0-2)
		Lab Sample ID	500-183012-8
		ISGS Site Number	3074V2-005
Result Units			
Total Metals (mg/kg)			
Antimony, Total	5	mg/kg	1.1
Arsenic, Total	11.3 / 13.0	mg/kg	6.9
Barium, Total	1500	mg/kg	68
Beryllium, Total	22	mg/kg	1.1
Cadmium, Total	5.2	mg/kg	0.27
Calcium, Total	---	mg/kg	31000
Chromium, Total	21	mg/kg	20 B
Cobalt, Total	20	mg/kg	5.6
Copper, Total	2900	mg/kg	27
Iron, Total	15000 / 15900	mg/kg	18000
Lead, Total	107	mg/kg	47
Magnesium, Total	325000	mg/kg	19000
Manganese, Total	630 / 636	mg/kg	350
Mercury, Total	0.89	mg/kg	0.028
Nickel, Total	100	mg/kg	30
Potassium, Total	---	mg/kg	1700
Selenium, Total	1.3	mg/kg	0.87
Sodium, Total	---	mg/kg	630
Thallium, Total	2.6	mg/kg	ND
Vanadium, Total	550	mg/kg	28
Zinc, Total	5100	mg/kg	120
TCLP Metals (mg/L)			
Barium, TCLP	---	mg/l	0.46 J
Beryllium, TCLP	---	mg/l	ND
Cadmium, TCLP	---	mg/l	ND
Chromium, TCLP	---	mg/l	ND
Cobalt, TCLP	---	mg/l	ND
Iron, TCLP	---	mg/l	ND
Lead, TCLP	---	mg/l	ND
Manganese, TCLP	---	mg/l	0.33
Nickel, TCLP	---	mg/l	0.012 J
Selenium, TCLP	---	mg/l	ND
Zinc, TCLP	---	mg/l	0.031 J
SPLP Metals (mg/L)			
Arsenic, SPLP	---	mg/l	0.036 J
Barium, SPLP	---	mg/l	0.28 J
Beryllium, SPLP	---	mg/l	0.0041
Cadmium, SPLP	---	mg/l	ND
Chromium, SPLP	---	mg/l	0.089
Cobalt, SPLP	---	mg/l	0.025
Copper, SPLP	---	mg/l	0.065
Iron, SPLP	---	mg/l	81
Lead, SPLP	---	mg/l	0.057
Manganese, SPLP	---	mg/l	0.39
Mercury, SPLP	---	mg/l	ND
Nickel, SPLP	---	mg/l	0.085
Selenium, SPLP	---	mg/l	ND
Zinc, SPLP	---	mg/l	0.29 J

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^B - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Shaded values indicate concentration exceeds Reference Concentration.

ANALYTICAL REPORT

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

Laboratory Job ID: 500-183012-1
Client Project/Site: IDOT - Crete - WO 011
Revision: 1

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

Attn: Michael Fischer



Authorized for release by:
6/17/2020 11:16:44 AM

Richard Wright, Senior Project Manager
(708)746-0045
richard.wright@testamericainc.com

LINKS

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results through
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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

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
6010B	Total Metals	SW846	TAL CHI
7470A	Mercury (CVAA)	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 TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: MH-1(0-2)

Lab Sample ID: 500-183012-8

Date Collected: 06/04/20 10:20

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.68	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
1,1,2-Trichloroethane	<2.0		2.0	0.87	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
1,1-Dichloroethane	<2.0		2.0	0.69	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
1,1-Dichloroethene	<2.0		2.0	0.70	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
1,2-Dichloroethane	<5.1		5.1	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
1,2-Dichloropropane	<2.0		2.0	0.52	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
1,3-Dichloropropene, Total	<2.0		2.0	0.71	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
2-Hexanone	<5.1		5.1	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Acetone	<20		20	8.8	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Benzene	<2.0		2.0	0.52	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Bromodichloromethane	<2.0		2.0	0.41	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Bromoform	<2.0		2.0	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Bromomethane	<5.1		5.1	1.9	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Carbon disulfide	<5.1		5.1	1.1	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Carbon tetrachloride	<2.0		2.0	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Chlorobenzene	<2.0		2.0	0.75	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Chloroethane	<5.1 *		5.1	1.5	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Chloroform	<2.0		2.0	0.70	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Chloromethane	<5.1		5.1	2.0	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
cis-1,2-Dichloroethene	<2.0		2.0	0.57	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
cis-1,3-Dichloropropene	<2.0		2.0	0.61	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Dibromochloromethane	<2.0		2.0	0.66	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Ethylbenzene	<2.0		2.0	0.97	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Methyl Ethyl Ketone	<5.1		5.1	2.2	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
methyl isobutyl ketone	<5.1		5.1	1.5	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Methyl tert-butyl ether	<2.0		2.0	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Methylene Chloride	<5.1		5.1	2.0	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Styrene	<2.0		2.0	0.61	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Tetrachloroethene	<2.0		2.0	0.69	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Toluene	<2.0		2.0	0.51	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
trans-1,2-Dichloroethene	<2.0		2.0	0.90	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
trans-1,3-Dichloropropene	<2.0		2.0	0.71	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Trichloroethene	<2.0		2.0	0.68	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Vinyl chloride	<2.0		2.0	0.90	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1
Xylenes, Total	<4.0		4.0	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	06/04/20 18:12	06/05/20 16:10	1
4-Bromofluorobenzene (Surr)	99		75 - 131	06/04/20 18:12	06/05/20 16:10	1
Dibromofluoromethane	100		75 - 126	06/04/20 18:12	06/05/20 16:10	1
Toluene-d8 (Surr)	97		75 - 124	06/04/20 18:12	06/05/20 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: MH-1(0-2)

Lab Sample ID: 500-183012-8

Date Collected: 06/04/20 10:20

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2-Methylnaphthalene	84		76	6.9	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2-Methylphenol	<190		190	61	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
4,6-Dinitro-2-methylphenol	<760		760	300	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Acenaphthene	34 J		37	6.8	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Anthracene	53		37	6.3	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Benzo[a]anthracene	140		37	5.1	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Benzo[a]pyrene	250 *3		37	7.3	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Benzo[b]fluoranthene	320 *3		37	8.1	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Benzo[g,h,i]perylene	140 *3		37	12	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Benzo[k]fluoranthene	120 *3		37	11	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Carbazole	<190		190	94	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Chrysene	200		37	10	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Dibenz(a,h)anthracene	27 J *3		37	7.3	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Dibenzofuran	<190		190	44	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Fluoranthene	310		37	7.0	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Fluorene	37		37	5.3	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Hexachloroethane	<190		190	57	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: MH-1(0-2)

Lab Sample ID: 500-183012-8

Date Collected: 06/04/20 10:20

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	81	*3	37	9.8	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Isophorone	<190		190	42	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Naphthalene	38		37	5.8	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
N-Nitrosodi-n-propylamine	<76		76	46	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Phenanthrene	210		37	5.3	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Phenol	<190		190	84	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Pyrene	380		37	7.5	ug/Kg	☼	06/11/20 16:39	06/12/20 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		31 - 143				06/11/20 16:39	06/12/20 20:14	1
2-Fluorobiphenyl	70		43 - 145				06/11/20 16:39	06/12/20 20:14	1
2-Fluorophenol	93		31 - 166				06/11/20 16:39	06/12/20 20:14	1
Nitrobenzene-d5	71		37 - 147				06/11/20 16:39	06/12/20 20:14	1
Phenol-d5	77		30 - 153				06/11/20 16:39	06/12/20 20:14	1
Terphenyl-d14	86		42 - 157				06/11/20 16:39	06/12/20 20:14	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/10/20 05:40	06/10/20 20:37	1
Barium	0.46	J	0.50	0.050	mg/L		06/10/20 05:40	06/10/20 20:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/10/20 05:40	06/10/20 20:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/10/20 20:37	1
Chromium	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:37	1
Cobalt	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:37	1
Copper	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:37	1
Iron	<0.40		0.40	0.20	mg/L		06/10/20 05:40	06/10/20 20:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		06/10/20 05:40	06/10/20 20:37	1
Manganese	0.33		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:37	1
Nickel	0.012	J	0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:37	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/10/20 20:37	1
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:37	1
Zinc	0.031	J	0.50	0.020	mg/L		06/10/20 05:40	06/10/20 20:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		06/10/20 05:40	06/11/20 01:05	1
Barium	0.28	J	0.50	0.050	mg/L		06/10/20 05:40	06/11/20 01:05	1
Beryllium	0.0041		0.0040	0.0040	mg/L		06/10/20 05:40	06/11/20 01:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/11/20 01:05	1
Chromium	0.089		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:05	1
Cobalt	0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:05	1
Copper	0.065		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:05	1
Iron	81		0.40	0.20	mg/L		06/10/20 05:40	06/11/20 01:05	1
Lead	0.057		0.0075	0.0075	mg/L		06/10/20 05:40	06/11/20 01:05	1
Manganese	0.39		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:05	1
Nickel	0.085		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:05	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/11/20 01:05	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: MH-1(0-2)

Lab Sample ID: 500-183012-8

Date Collected: 06/04/20 10:20

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:05	1
Zinc	0.29	J	0.50	0.020	mg/L		06/10/20 05:40	06/11/20 01:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.1		1.1	0.22	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Arsenic	6.9		0.55	0.19	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Barium	68		0.55	0.063	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Beryllium	1.1		0.22	0.052	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Cadmium	0.27		0.11	0.020	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Calcium	31000		11	1.9	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Chromium	20	B	0.55	0.27	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Cobalt	5.6		0.28	0.073	mg/Kg	☼	06/08/20 18:32	06/10/20 10:12	1
Copper	27		0.55	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Iron	18000		11	5.8	mg/Kg	☼	06/08/20 18:32	06/10/20 10:12	1
Lead	47		0.28	0.13	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Magnesium	19000		5.5	2.8	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Manganese	350		0.55	0.080	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Nickel	30		0.55	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Potassium	1700		28	9.8	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Selenium	0.87		0.55	0.33	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Sodium	630		55	8.2	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Thallium	<0.55		0.55	0.28	mg/Kg	☼	06/08/20 18:32	06/10/20 10:12	1
Vanadium	28		0.28	0.065	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1
Zinc	120		1.1	0.49	mg/Kg	☼	06/08/20 18:32	06/09/20 11:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20	F1	0.20	0.20	ug/L		06/10/20 09:50	06/11/20 09:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28		18	5.9	ug/Kg	☼	06/10/20 13:40	06/11/20 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.8		0.2	0.2	SU			06/09/20 10:37	1

Definitions/Glossary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
V	Serial Dilution exceeds the control limits

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

Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20 *

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

Address: _____

Regulatory Program: DW NPDES RCRA Other:

Client Contact Company Name: <u>EDI</u> Address: <u>33 W. Monroe, Ste. 1825</u> City/State/Zip: <u>Chicago, IL 60603</u> Phone: <u>312-345-1400</u> Fax: _____ Project Name: <u>PTB 190-006-WO 011A</u> Site: _____ P O # <u>0295.030</u>		Project Manager: M. Fischer Tel/Email: <u>M.Fischer@envdot.com</u> Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: _____ Lab Contact: <u>R. Weisheit</u> Date: <u>6-4-20</u> Carrier: _____		COC No: _____ 1 of 2 COCs Sampler: <u>M-Fischer</u> For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____ Job / SDG No.: <u>500-183012</u>	
Sample Identification			Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ VOCs _____ SVOCs _____ Total Metals _____ TCLP / SPLP Metals _____ PH _____		500-183012 COC Sample Specific Notes: _____		
1	CB7-1 (0-2)	6/4/20 0900	G	S	S	XXXXX	
2	CB7-2 (0-2)	0915					
3	CB7-2 (2-7)	0930					
4	CB7-2 (2-7) DUP	0930					
5	DC-1 (0-4)	0945					
6	DC-1 (4-9)	1000					
7	DC-1 (4-9) DUP	1000					
8	MH-1 (0-2)	1020					
9	RR-3 (0-4)	1040					
10	DC-12 (0-4) <u>SMH 6/17/20</u>	1055					
11	DC-12 (4-8) <u>SMH 6/17/20</u>	1105					
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____							
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample. <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
Special Instructions/QC Requirements & Comments: <p style="text-align: right; font-size: 2em;">6.0, 5.6</p>							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: _____		Cooler Temp. (°C): Obs'd: _____ Cor'd: _____		Therm ID No.: _____	
Relinquished by: <u>M. Fischer</u>		Company: <u>EDI</u>		Date/Time: <u>6/4/20 1300</u>		Received by: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <u>Shaw Scott</u>	
						Company: <u>TA-CHE</u>	
						Date/Time: <u>6/4/20 1300</u>	

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: M. Fischer		Site Contact:		Date: 6-4-20		COC No:	
Company Name: EDI		Tel/Email: mfischer@envirogen.com		Lab Contact: R. Wright		Carrier:		2 of 2 COCs	
Address: 33 W. Monroe Ste. 1825		Analysis Turnaround Time							
City/State/Zip: Chicago, IL 60603		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____							
Phone: 312-345-1400		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day							
Fax:									
Project Name: PTB 190-006-W0011A									
Site:									
P O # 0295.030									

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes:											
								VOCs	SVOCs	Total Metals	ICLP	SPLP	Metals	PH					
RR-2 (0-4)	6/4/20	1230	G	S	5			X	X	X	X	X	X						
RR-1 (0-2)	1	1200	I	I	I			X	X	X	X	X	X						

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard Flammable Skin Irritant Poison B Unknown

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

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____		Corr'd: _____		Therm ID No.: _____	
Relinquished by: <i>M.A.A.</i>		Company: EDI		Date/Time: 6/4/20 1300		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received by:		Company:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <i>Shirley Scott</i>		Company: TA-CRT	
								Date/Time: 6/4/20 1300	

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Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-183012-1

Login Number: 183012

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.0,5.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 876: IL Route 1 (Main Street) over Deer Creek Office Phone Number, if available: _____

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

900 block of Main Street (ISGS Site No. 3074V2-6)

City: Crete State: IL Zip Code: 60417

County: Will Township: Crete

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

Latitude: 41.45871 Longitude: - 87.63365

(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

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

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

Estimated Volume of debris (cu. Yd.): 514

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

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

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

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATIONS OF DC-1 AND DC-2 WERE SAMPLED AT SITE 3074V2-6. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-183012-1
ALSO, SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

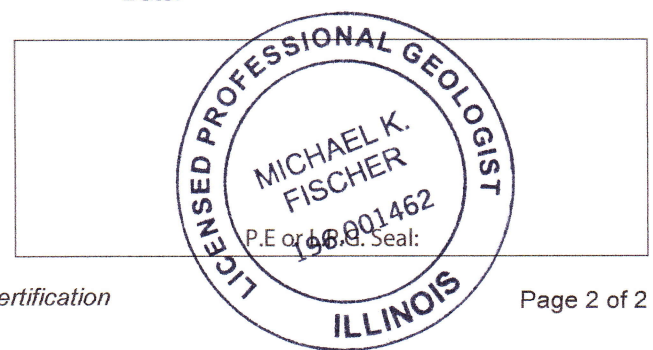
Company Name: Environmental Design International inc.
Street Address: 33 West Monroe Street, Suite 1825
City: Chicago State: IL Zip Code: 60603
Phone: 312-345-1400

Michael Fischer
Printed Name:

M Fischer

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

4/23/21
Date:



Summary Table of ISGS Site No. 3074V2-6
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
Illinois Department of Transportation
FAP 876: IL Route 1 (Main Street) Over Deer Creek
Crete, Will County, Illinois

Parameter	Soil Reference Concentrations ^A	Location	DC-1	DC-1	DC-1	DC-2	DC-2
		Sample Date	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020
		Field Sample ID	DC-1(0-4)	DC-1(4-9)D	DC-1(4-9)	DC-2(0-4)	DC-2(4-8)
		Lab Sample ID	500-183012-5	500-183012-7	500-183012-6	500-183012-10	500-183012-11
		ISGS Site Number	3074V2-006	3074V2-006	3074V2-006	3074V2-006	3074V2-006
		Result Units					
General Chemistry							
Laboratory pH	---	s.u.	7.7	7.3	7.5	8.1	7.3
VOCs (mg/kg)							
Acetone	25	mg/kg	ND	0.012 J	ND	ND	0.018 J
Methyl ethyl ketone	---	mg/kg	ND	ND	ND	ND	0.0024 J
SVOCs (mg/kg)							
2-Methylnaphthalene	---	mg/kg	ND	ND	ND	ND	ND
Acenaphthene	570	mg/kg	ND	ND	ND	ND	ND
Acenaphthylene	---	mg/kg	ND	ND	ND	0.0064 J	ND
Anthracene	12000	mg/kg	ND	ND	ND	0.011 J	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	mg/kg	0.0087 J	ND	ND	0.054	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	mg/kg	0.012 J	ND	ND	0.12	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	mg/kg	0.013 J	ND	ND	0.14	ND
Benzo(g,h,i)perylene	---	mg/kg	ND	ND	ND	0.089	ND
Benzo(k)fluoranthene	9	mg/kg	ND	ND	ND	0.061	ND
bis(2-Ethylhexyl)phthalate	46	mg/kg	ND	ND	ND	ND	ND
Carbazole	0.6	mg/kg	ND	ND	ND	ND	ND
Chrysene	88.00001	mg/kg	0.011 J	ND	ND	0.079	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	mg/kg	ND	ND	ND	ND	ND
Dibenzofuran	---	mg/kg	ND	ND	ND	ND	ND
Fluoranthene	3100	mg/kg	0.015 J	ND	ND	0.089	ND
Fluorene	560	mg/kg	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	mg/kg	ND	ND	ND	0.065	ND
Naphthalene, SVOC	1.8	mg/kg	ND	ND	ND	ND	ND
Phenanthrene	---	mg/kg	0.013 J	ND	ND	0.053	ND
Pyrene	2300	mg/kg	0.014 J	ND	ND	0.16	ND

Continued on next page

Summary Table of ISGS Site No. 3074V2-6
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
Illinois Department of Transportation
FAP 876: IL Route 1 (Main Street) Over Deer Creek
Crete, Will County, Illinois

Parameter	Soil Reference Concentrations ^A	Location	DC-1	DC-1	DC-1	DC-2	DC-2
		Sample Date	6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020
		Field Sample ID	DC-1(0-4)	DC-1(4-9)D	DC-1(4-9)	DC-2(0-4)	DC-2(4-8)
		Lab Sample ID	500-183012-5	500-183012-7	500-183012-6	500-183012-10	500-183012-11
		ISGS Site Number	3074V2-006	3074V2-006	3074V2-006	3074V2-006	3074V2-006
		Result Units					
Total Metals (mg/kg)							
Antimony, Total	5	mg/kg	1.2	0.76 J	0.86 J	0.89 J	0.59 J
Arsenic, Total	11.3 / 13.0	mg/kg	6.7	3.5	4.1	6.5	2.8
Barium, Total	1500	mg/kg	56	79	75	67	66
Beryllium, Total	22	mg/kg	0.89	0.81	0.84	0.73	0.94
Cadmium, Total	5.2	mg/kg	0.073 J	0.19	0.16	0.11 J	0.24
Calcium, Total	---	mg/kg	4900	4900	3900	67000	3200
Chromium, Total	21	mg/kg	21 B	19 B	19 B	15 B	24 B
Cobalt, Total	20	mg/kg	12	9.6	9.6	7.4	10
Copper, Total	2900	mg/kg	14	15	13	14	18
Iron, Total	15000 / 15900	mg/kg	18000	9600	11000	11000	10000
Lead, Total	107	mg/kg	17	20	18	42	20
Magnesium, Total	325000	mg/kg	4700	4000	3400	31000	3600
Manganese, Total	630 / 636	mg/kg	280	250	170	320	200
Mercury, Total	0.89	mg/kg	0.023	0.017 J	0.012 J	0.034	0.019 J
Nickel, Total	100	mg/kg	29	27	27	17	34
Potassium, Total	---	mg/kg	2100	1800	1600	1600	2700
Selenium, Total	1.3	mg/kg	0.47 J	ND	0.37 J	ND	0.52 J
Sodium, Total	---	mg/kg	280	400	390	1200	3200
Thallium, Total	2.6	mg/kg	ND	ND	0.47 J	ND	0.51 J
Vanadium, Total	550	mg/kg	24	24	24	25	26
Zinc, Total	5100	mg/kg	79	64	64	55	82
TCLP Metals (mg/L)							
Barium, TCLP	---	mg/l	0.26 J	0.22 J	0.2 J	0.47 J	0.14 J
Beryllium, TCLP	---	mg/l	ND	ND	ND	ND	ND
Cadmium, TCLP	---	mg/l	ND	ND	ND	ND	ND
Chromium, TCLP	---	mg/l	ND	ND	ND	ND	ND
Cobalt, TCLP	---	mg/l	ND	ND	ND	ND	ND
Iron, TCLP	---	mg/l	ND	ND	0.3 J	0.2 J	ND
Lead, TCLP	---	mg/l	ND	ND	ND	0.017	ND
Manganese, TCLP	---	mg/l	0.39	0.047	0.034	0.47	1.4
Nickel, TCLP	---	mg/l	ND	ND	ND	ND	0.012 J
Selenium, TCLP	---	mg/l	ND	ND	ND	ND	ND
Zinc, TCLP	---	mg/l	ND	ND	ND	ND	ND
SPLP Metals (mg/L)							
Arsenic, SPLP	---	mg/l	0.035 J	0.031 J	0.035 J	0.058	0.026 J
Barium, SPLP	---	mg/l	0.38 J	0.8	0.72	0.58	0.54
Beryllium, SPLP	---	mg/l	0.0059	0.0078	0.0081	0.0079	0.0085
Cadmium, SPLP	---	mg/l	ND	ND	ND	ND	ND
Chromium, SPLP	---	mg/l	0.15	0.2	0.19	0.17	0.21
Cobalt, SPLP	---	mg/l	0.032	0.043	0.043	0.046	0.056
Copper, SPLP	---	mg/l	0.064	0.11	0.097	0.11	0.14
Iron, SPLP	---	mg/l	120	120	120	160	120
Lead, SPLP	---	mg/l	0.068	0.11	0.11	0.36	0.12
Manganese, SPLP	---	mg/l	0.48	0.53	0.56	1.1	1.2
Mercury, SPLP	---	mg/l	0.00034	0.00035	0.00037	0.00064	ND
Nickel, SPLP	---	mg/l	0.1	0.16	0.15	0.14	0.19
Selenium, SPLP	---	mg/l	ND	ND	ND	ND	ND
Zinc, SPLP	---	mg/l	0.32 J	0.52	0.39 J	0.51	0.5

Notes:

--- - not applicable or value not available.

^A - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^B - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion* or *Inhalation* exposure route.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

Shaded values indicate concentration exceeds Reference Concentration.

ANALYTICAL REPORT

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

Laboratory Job ID: 500-183012-1
Client Project/Site: IDOT - Crete - WO 011
Revision: 1

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

Attn: Michael Fischer



Authorized for release by:
6/17/2020 11:16:44 AM

Richard Wright, Senior Project Manager
(708)746-0045
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

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
6010B	Total Metals	SW846	TAL CHI
7470A	Mercury (CVAA)	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 TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(0-4)

Lab Sample ID: 500-183012-5

Date Collected: 06/04/20 09:45

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.0		2.0	0.68	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
1,1,2,2-Tetrachloroethane	<2.0		2.0	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
1,1,2-Trichloroethane	<2.0		2.0	0.87	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
1,1-Dichloroethane	<2.0		2.0	0.69	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
1,1-Dichloroethene	<2.0		2.0	0.70	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
1,2-Dichloroethane	<5.1		5.1	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
1,2-Dichloropropane	<2.0		2.0	0.52	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
1,3-Dichloropropene, Total	<2.0		2.0	0.71	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
2-Hexanone	<5.1		5.1	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Acetone	<20		20	8.8	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Benzene	<2.0		2.0	0.52	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Bromodichloromethane	<2.0		2.0	0.41	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Bromoform	<2.0		2.0	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Bromomethane	<5.1		5.1	1.9	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Carbon disulfide	<5.1		5.1	1.1	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Carbon tetrachloride	<2.0		2.0	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Chlorobenzene	<2.0		2.0	0.75	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Chloroethane	<5.1 *		5.1	1.5	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Chloroform	<2.0		2.0	0.70	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Chloromethane	<5.1		5.1	2.0	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
cis-1,2-Dichloroethene	<2.0		2.0	0.57	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
cis-1,3-Dichloropropene	<2.0		2.0	0.61	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Dibromochloromethane	<2.0		2.0	0.66	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Ethylbenzene	<2.0		2.0	0.97	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Methyl Ethyl Ketone	<5.1		5.1	2.2	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
methyl isobutyl ketone	<5.1		5.1	1.5	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Methyl tert-butyl ether	<2.0		2.0	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Methylene Chloride	<5.1		5.1	2.0	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Styrene	<2.0		2.0	0.61	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Tetrachloroethene	<2.0		2.0	0.69	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Toluene	<2.0		2.0	0.51	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
trans-1,2-Dichloroethene	<2.0		2.0	0.90	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
trans-1,3-Dichloropropene	<2.0		2.0	0.71	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Trichloroethene	<2.0		2.0	0.69	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Vinyl chloride	<2.0		2.0	0.90	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1
Xylenes, Total	<4.1		4.1	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	06/04/20 18:12	06/05/20 14:50	1
4-Bromofluorobenzene (Surr)	99		75 - 131	06/04/20 18:12	06/05/20 14:50	1
Dibromofluoromethane	101		75 - 126	06/04/20 18:12	06/05/20 14:50	1
Toluene-d8 (Surr)	95		75 - 124	06/04/20 18:12	06/05/20 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(0-4)

Lab Sample ID: 500-183012-5

Date Collected: 06/04/20 09:45

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	91	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2-Methylnaphthalene	<80		80	7.3	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2-Methylphenol	<200		200	64	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
4,6-Dinitro-2-methylphenol	<800		800	320	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Anthracene	<39		39	6.6	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Benzo[a]anthracene	8.7 J		39	5.3	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Benzo[a]pyrene	12 J		39	7.7	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Benzo[b]fluoranthene	13 J		39	8.6	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Carbazole	<200		200	99	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Chrysene	11 J		39	11	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Dibenzofuran	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Fluoranthene	15 J		39	7.4	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Fluorene	<39		39	5.6	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Hexachloroethane	<200		200	60	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(0-4)

Lab Sample ID: 500-183012-5

Date Collected: 06/04/20 09:45

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Isophorone	<200		200	45	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Naphthalene	<39		39	6.1	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
N-Nitrosodi-n-propylamine	<80		80	49	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Phenanthrene	13	J	39	5.5	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Phenol	<200		200	88	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Pyrene	14	J	39	7.9	ug/Kg	☼	06/11/20 16:39	06/12/20 12:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	72		31 - 143				06/11/20 16:39	06/12/20 12:07	1
2-Fluorobiphenyl	84		43 - 145				06/11/20 16:39	06/12/20 12:07	1
2-Fluorophenol	86		31 - 166				06/11/20 16:39	06/12/20 12:07	1
Nitrobenzene-d5	76		37 - 147				06/11/20 16:39	06/12/20 12:07	1
Phenol-d5	93		30 - 153				06/11/20 16:39	06/12/20 12:07	1
Terphenyl-d14	95		42 - 157				06/11/20 16:39	06/12/20 12:07	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/10/20 05:40	06/10/20 19:20	1
Barium	0.26	J	0.50	0.050	mg/L		06/10/20 05:40	06/10/20 19:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/10/20 05:40	06/10/20 19:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/10/20 19:20	1
Chromium	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:20	1
Cobalt	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:20	1
Copper	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:20	1
Iron	<0.40		0.40	0.20	mg/L		06/10/20 05:40	06/10/20 19:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		06/10/20 05:40	06/10/20 19:20	1
Manganese	0.39		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:20	1
Nickel	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:20	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/10/20 19:20	1
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:20	1
Zinc	<0.50		0.50	0.020	mg/L		06/10/20 05:40	06/10/20 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.035	J	0.050	0.010	mg/L		06/10/20 05:40	06/11/20 00:41	1
Barium	0.38	J	0.50	0.050	mg/L		06/10/20 05:40	06/11/20 00:41	1
Beryllium	0.0059		0.0040	0.0040	mg/L		06/10/20 05:40	06/11/20 00:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/11/20 00:41	1
Chromium	0.15		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:41	1
Cobalt	0.032		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:41	1
Copper	0.064		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:41	1
Iron	120		0.40	0.20	mg/L		06/10/20 05:40	06/11/20 00:41	1
Lead	0.068		0.0075	0.0075	mg/L		06/10/20 05:40	06/11/20 00:41	1
Manganese	0.48		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:41	1
Nickel	0.10		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:41	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/11/20 00:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(0-4)

Lab Sample ID: 500-183012-5

Date Collected: 06/04/20 09:45

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:41	1
Zinc	0.32	J	0.50	0.020	mg/L		06/10/20 05:40	06/11/20 00:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.2		1.1	0.22	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Arsenic	6.7		0.57	0.20	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Barium	56		0.57	0.065	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Beryllium	0.89		0.23	0.054	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Cadmium	0.073	J	0.11	0.021	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Calcium	4900		11	1.9	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Chromium	21	B	0.57	0.28	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Cobalt	12		0.29	0.075	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Copper	14		0.57	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Iron	18000		11	6.0	mg/Kg	☼	06/08/20 18:32	06/10/20 10:03	1
Lead	17		0.29	0.13	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Magnesium	4700		5.7	2.8	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Manganese	280		0.57	0.083	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Nickel	29		0.57	0.17	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Potassium	2100		29	10	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Selenium	0.47	J	0.57	0.34	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Silver	<0.29		0.29	0.074	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Sodium	280		57	8.5	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Thallium	<0.57		0.57	0.29	mg/Kg	☼	06/08/20 18:32	06/10/20 10:03	1
Vanadium	24		0.29	0.068	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1
Zinc	79		1.1	0.50	mg/Kg	☼	06/08/20 18:32	06/09/20 11:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 08:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.34		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 09:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23		19	6.3	ug/Kg	☼	06/10/20 13:40	06/11/20 09:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.7		0.2	0.2	SU			06/09/20 10:27	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(4-9)

Lab Sample ID: 500-183012-6

Date Collected: 06/04/20 10:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.2		2.2	0.73	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
1,1,2,2-Tetrachloroethane	<2.2		2.2	0.69	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
1,1,2-Trichloroethane	<2.2		2.2	0.93	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
1,1-Dichloroethane	<2.2		2.2	0.74	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
1,1-Dichloroethene	<2.2		2.2	0.74	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
1,2-Dichloroethane	<5.4		5.4	1.7	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
1,2-Dichloropropane	<2.2		2.2	0.56	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
1,3-Dichloropropene, Total	<2.2		2.2	0.76	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
2-Hexanone	<5.4		5.4	1.7	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Acetone	<22		22	9.4	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Benzene	<2.2		2.2	0.55	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Bromodichloromethane	<2.2		2.2	0.44	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Bromoform	<2.2		2.2	0.63	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Bromomethane	<5.4		5.4	2.0	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Carbon disulfide	<5.4		5.4	1.1	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Carbon tetrachloride	<2.2		2.2	0.63	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Chlorobenzene	<2.2		2.2	0.80	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Chloroethane	<5.4 *		5.4	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Chloroform	<2.2		2.2	0.75	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Chloromethane	<5.4		5.4	2.2	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
cis-1,2-Dichloroethene	<2.2		2.2	0.60	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
cis-1,3-Dichloropropene	<2.2		2.2	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Dibromochloromethane	<2.2		2.2	0.71	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Ethylbenzene	<2.2		2.2	1.0	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Methyl Ethyl Ketone	<5.4		5.4	2.4	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
methyl isobutyl ketone	<5.4		5.4	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Methyl tert-butyl ether	<2.2		2.2	0.64	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Methylene Chloride	<5.4		5.4	2.1	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Styrene	<2.2		2.2	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Tetrachloroethene	<2.2		2.2	0.74	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Toluene	<2.2		2.2	0.55	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
trans-1,2-Dichloroethene	<2.2		2.2	0.96	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
trans-1,3-Dichloropropene	<2.2		2.2	0.76	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Trichloroethene	<2.2		2.2	0.73	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Vinyl chloride	<2.2		2.2	0.96	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1
Xylenes, Total	<4.3		4.3	0.69	ug/Kg	☼	06/04/20 18:12	06/05/20 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 134	06/04/20 18:12	06/05/20 15:17	1
4-Bromofluorobenzene (Surr)	99		75 - 131	06/04/20 18:12	06/05/20 15:17	1
Dibromofluoromethane	102		75 - 126	06/04/20 18:12	06/05/20 15:17	1
Toluene-d8 (Surr)	94		75 - 124	06/04/20 18:12	06/05/20 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(4-9)

Lab Sample ID: 500-183012-6

Date Collected: 06/04/20 10:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2-Methylphenol	<200		200	65	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Anthracene	<40		40	6.7	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Carbazole	<200		200	100	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Chrysene	<40		40	11	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Dibenzofuran	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Fluorene	<40		40	5.7	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Hexachlorobenzene	<81		81	9.4	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Hexachloroethane	<200		200	61	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(4-9)

Lab Sample ID: 500-183012-6

Date Collected: 06/04/20 10:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Isophorone	<200		200	45	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Naphthalene	<40		40	6.2	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Nitrobenzene	<40		40	10	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Phenol	<200		200	90	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Pyrene	<40		40	8.0	ug/Kg	☼	06/11/20 16:39	06/12/20 12:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		31 - 143				06/11/20 16:39	06/12/20 12:31	1
2-Fluorobiphenyl	90		43 - 145				06/11/20 16:39	06/12/20 12:31	1
2-Fluorophenol	90		31 - 166				06/11/20 16:39	06/12/20 12:31	1
Nitrobenzene-d5	80		37 - 147				06/11/20 16:39	06/12/20 12:31	1
Phenol-d5	98		30 - 153				06/11/20 16:39	06/12/20 12:31	1
Terphenyl-d14	101		42 - 157				06/11/20 16:39	06/12/20 12:31	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/10/20 05:40	06/10/20 20:17	1
Barium	0.20	J	0.50	0.050	mg/L		06/10/20 05:40	06/10/20 20:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/10/20 05:40	06/10/20 20:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/10/20 20:17	1
Chromium	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:17	1
Cobalt	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:17	1
Copper	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:17	1
Iron	0.30	J	0.40	0.20	mg/L		06/10/20 05:40	06/10/20 20:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		06/10/20 05:40	06/10/20 20:17	1
Manganese	0.034		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:17	1
Nickel	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:17	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/10/20 20:17	1
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:17	1
Zinc	<0.50		0.50	0.020	mg/L		06/10/20 05:40	06/10/20 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.035	J	0.050	0.010	mg/L		06/10/20 05:40	06/11/20 00:45	1
Barium	0.72		0.50	0.050	mg/L		06/10/20 05:40	06/11/20 00:45	1
Beryllium	0.0081		0.0040	0.0040	mg/L		06/10/20 05:40	06/11/20 00:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/11/20 00:45	1
Chromium	0.19		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:45	1
Cobalt	0.043		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:45	1
Copper	0.097		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:45	1
Iron	120		0.40	0.20	mg/L		06/10/20 05:40	06/11/20 00:45	1
Lead	0.11		0.0075	0.0075	mg/L		06/10/20 05:40	06/11/20 00:45	1
Manganese	0.56		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:45	1
Nickel	0.15		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:45	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/11/20 00:45	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(4-9)

Lab Sample ID: 500-183012-6

Date Collected: 06/04/20 10:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:45	1
Zinc	0.39	J	0.50	0.020	mg/L		06/10/20 05:40	06/11/20 00:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.86	J	1.1	0.22	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Arsenic	4.1		0.56	0.19	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Barium	75		0.56	0.064	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Beryllium	0.84		0.22	0.052	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Cadmium	0.16		0.11	0.020	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Calcium	3900		11	1.9	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Chromium	19	B	0.56	0.28	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Cobalt	9.6		0.28	0.073	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Copper	13		0.56	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Iron	11000		11	5.8	mg/Kg	☼	06/08/20 18:32	06/10/20 10:06	1
Lead	18		0.28	0.13	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Magnesium	3400		5.6	2.8	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Manganese	170		0.56	0.081	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Nickel	27		0.56	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Potassium	1600		28	9.9	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Selenium	0.37	J	0.56	0.33	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Sodium	390		56	8.3	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Thallium	0.47	J	0.56	0.28	mg/Kg	☼	06/08/20 18:32	06/10/20 21:39	1
Vanadium	24		0.28	0.066	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1
Zinc	64		1.1	0.49	mg/Kg	☼	06/08/20 18:32	06/09/20 11:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 08:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37		0.33	0.33	ug/L		06/10/20 09:50	06/11/20 09:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12	J	19	6.3	ug/Kg	☼	06/10/20 13:40	06/11/20 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5		0.2	0.2	SU			06/09/20 10:30	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(4-9)D

Lab Sample ID: 500-183012-7

Date Collected: 06/04/20 10:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.62	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
1,1,2-Trichloroethane	<1.8		1.8	0.79	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
1,1-Dichloroethane	<1.8		1.8	0.63	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
1,1-Dichloroethene	<1.8		1.8	0.63	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
1,2-Dichloropropane	<1.8		1.8	0.48	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
1,3-Dichloropropene, Total	<1.8		1.8	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Acetone	12	J	18	8.0	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Benzene	<1.8		1.8	0.47	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Bromoform	<1.8		1.8	0.54	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Bromomethane	<4.6		4.6	1.7	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Carbon disulfide	<4.6		4.6	0.96	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Chlorobenzene	<1.8		1.8	0.68	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Chloroethane	<4.6 *		4.6	1.4	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Chloroform	<1.8		1.8	0.64	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Chloromethane	<4.6		4.6	1.8	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Dibromochloromethane	<1.8		1.8	0.60	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Ethylbenzene	<1.8		1.8	0.88	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Methyl Ethyl Ketone	<4.6		4.6	2.0	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Methyl tert-butyl ether	<1.8		1.8	0.54	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Styrene	<1.8		1.8	0.56	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Tetrachloroethene	<1.8		1.8	0.63	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
trans-1,2-Dichloroethene	<1.8		1.8	0.81	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
trans-1,3-Dichloropropene	<1.8		1.8	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Trichloroethene	<1.8		1.8	0.62	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Vinyl chloride	<1.8		1.8	0.81	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1
Xylenes, Total	<3.7		3.7	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 134	06/04/20 18:12	06/05/20 15:44	1
4-Bromofluorobenzene (Surr)	100		75 - 131	06/04/20 18:12	06/05/20 15:44	1
Dibromofluoromethane	101		75 - 126	06/04/20 18:12	06/05/20 15:44	1
Toluene-d8 (Surr)	95		75 - 124	06/04/20 18:12	06/05/20 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(4-9)D

Lab Sample ID: 500-183012-7

Date Collected: 06/04/20 10:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2-Methylnaphthalene	<81		81	7.4	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2-Methylphenol	<200		200	65	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
4,6-Dinitro-2-methylphenol	<810		810	320	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Anthracene	<40		40	6.7	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Benzo[b]fluoranthene	<40		40	8.7	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Carbazole	<200		200	100	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Chrysene	<40		40	11	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Dibenzofuran	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Fluorene	<40		40	5.7	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Hexachloroethane	<200		200	61	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(4-9)D

Lab Sample ID: 500-183012-7

Date Collected: 06/04/20 10:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Isophorone	<200		200	45	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Naphthalene	<40		40	6.2	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Nitrobenzene	<40		40	10	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
N-Nitrosodi-n-propylamine	<81		81	49	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Pentachlorophenol	<810		810	650	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Phenanthrene	<40		40	5.6	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Phenol	<200		200	89	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1
Pyrene	<40		40	8.0	ug/Kg	☼	06/11/20 16:39	06/12/20 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	90		31 - 143	06/11/20 16:39	06/12/20 12:55	1
2-Fluorobiphenyl	88		43 - 145	06/11/20 16:39	06/12/20 12:55	1
2-Fluorophenol	92		31 - 166	06/11/20 16:39	06/12/20 12:55	1
Nitrobenzene-d5	80		37 - 147	06/11/20 16:39	06/12/20 12:55	1
Phenol-d5	106		30 - 153	06/11/20 16:39	06/12/20 12:55	1
Terphenyl-d14	101		42 - 157	06/11/20 16:39	06/12/20 12:55	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/10/20 05:40	06/10/20 20:21	1
Barium	0.22	J	0.50	0.050	mg/L		06/10/20 05:40	06/10/20 20:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/10/20 05:40	06/10/20 20:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/10/20 20:21	1
Chromium	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:21	1
Cobalt	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:21	1
Copper	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:21	1
Iron	<0.40		0.40	0.20	mg/L		06/10/20 05:40	06/10/20 20:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		06/10/20 05:40	06/10/20 20:21	1
Manganese	0.047		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:21	1
Nickel	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:21	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/10/20 20:21	1
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:21	1
Zinc	<0.50		0.50	0.020	mg/L		06/10/20 05:40	06/10/20 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.031	J	0.050	0.010	mg/L		06/10/20 05:40	06/11/20 00:49	1
Barium	0.80		0.50	0.050	mg/L		06/10/20 05:40	06/11/20 00:49	1
Beryllium	0.0078		0.0040	0.0040	mg/L		06/10/20 05:40	06/11/20 00:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/11/20 00:49	1
Chromium	0.20		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:49	1
Cobalt	0.043		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:49	1
Copper	0.11		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:49	1
Iron	120		0.40	0.20	mg/L		06/10/20 05:40	06/11/20 00:49	1
Lead	0.11		0.0075	0.0075	mg/L		06/10/20 05:40	06/11/20 00:49	1
Manganese	0.53		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:49	1
Nickel	0.16		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:49	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/11/20 00:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-1(4-9)D

Lab Sample ID: 500-183012-7

Date Collected: 06/04/20 10:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:49	1
Zinc	0.52		0.50	0.020	mg/L		06/10/20 05:40	06/11/20 00:49	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.76	J	1.1	0.22	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Arsenic	3.5		0.56	0.19	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Barium	79		0.56	0.064	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Beryllium	0.81		0.22	0.052	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Cadmium	0.19		0.11	0.020	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Calcium	4900		11	1.9	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Chromium	19	B	0.56	0.28	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Cobalt	9.6		0.28	0.073	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Copper	15		0.56	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Iron	9600		11	5.8	mg/Kg	☼	06/08/20 18:32	06/10/20 10:09	1
Lead	20		0.28	0.13	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Magnesium	4000		5.6	2.8	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Manganese	250		0.56	0.081	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Nickel	27		0.56	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Potassium	1800		28	9.9	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Selenium	<0.56		0.56	0.33	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Silver	<0.28		0.28	0.072	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Sodium	400		56	8.3	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Thallium	<0.56		0.56	0.28	mg/Kg	☼	06/08/20 18:32	06/10/20 10:09	1
Vanadium	24		0.28	0.066	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1
Zinc	64		1.1	0.49	mg/Kg	☼	06/08/20 18:32	06/09/20 11:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 08:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.35		0.33	0.33	ug/L		06/10/20 09:50	06/11/20 09:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17	J	19	6.2	ug/Kg	☼	06/10/20 13:40	06/11/20 09:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.3		0.2	0.2	SU			06/09/20 10:35	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-2(0-4)

Lab Sample ID: 500-183012-10

Date Collected: 06/04/20 10:55

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<1.8		1.8	0.62	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
1,1,2,2-Tetrachloroethane	<1.8		1.8	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
1,1,2-Trichloroethane	<1.8		1.8	0.79	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
1,1-Dichloroethane	<1.8		1.8	0.63	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
1,1-Dichloroethene	<1.8		1.8	0.63	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
1,2-Dichloroethane	<4.6		4.6	1.4	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
1,2-Dichloropropane	<1.8		1.8	0.47	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
1,3-Dichloropropene, Total	<1.8		1.8	0.64	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
2-Hexanone	<4.6		4.6	1.4	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Acetone	<18		18	8.0	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Benzene	<1.8		1.8	0.47	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Bromodichloromethane	<1.8		1.8	0.37	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Bromoform	<1.8		1.8	0.54	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Bromomethane	<4.6		4.6	1.7	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Carbon disulfide	<4.6		4.6	0.95	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Carbon tetrachloride	<1.8		1.8	0.53	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Chlorobenzene	<1.8		1.8	0.68	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Chloroethane	<4.6 *		4.6	1.4	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Chloroform	<1.8		1.8	0.64	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Chloromethane	<4.6		4.6	1.8	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
cis-1,2-Dichloroethene	<1.8		1.8	0.51	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
cis-1,3-Dichloropropene	<1.8		1.8	0.55	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Dibromochloromethane	<1.8		1.8	0.60	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Ethylbenzene	<1.8		1.8	0.88	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Methyl Ethyl Ketone	<4.6		4.6	2.0	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
methyl isobutyl ketone	<4.6		4.6	1.4	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Methyl tert-butyl ether	<1.8		1.8	0.54	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Methylene Chloride	<4.6		4.6	1.8	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Styrene	<1.8		1.8	0.55	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Tetrachloroethene	<1.8		1.8	0.62	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Toluene	<1.8		1.8	0.46	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
trans-1,2-Dichloroethene	<1.8		1.8	0.81	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
trans-1,3-Dichloropropene	<1.8		1.8	0.64	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Trichloroethene	<1.8		1.8	0.62	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Vinyl chloride	<1.8		1.8	0.81	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1
Xylenes, Total	<3.7		3.7	0.59	ug/Kg	☼	06/04/20 18:12	06/05/20 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 134	06/04/20 18:12	06/05/20 17:03	1
4-Bromofluorobenzene (Surr)	98		75 - 131	06/04/20 18:12	06/05/20 17:03	1
Dibromofluoromethane	102		75 - 126	06/04/20 18:12	06/05/20 17:03	1
Toluene-d8 (Surr)	94		75 - 124	06/04/20 18:12	06/05/20 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-2(0-4)

Lab Sample ID: 500-183012-10

Date Collected: 06/04/20 10:55

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2-Methylnaphthalene	<82		82	7.4	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2-Methylphenol	<200		200	65	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
4,6-Dinitro-2-methylphenol	<820		820	330	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
4-Nitrophenol	<820		820	380	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Acenaphthylene	6.4	J	40	5.3	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Anthracene	11	J	40	6.8	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Benzo[a]anthracene	54		40	5.4	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Benzo[a]pyrene	120		40	7.8	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Benzo[b]fluoranthene	140		40	8.7	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Benzo[g,h,i]perylene	89		40	13	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Benzo[k]fluoranthene	61		40	12	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Carbazole	<200		200	100	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Chrysene	79		40	11	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Dibenzofuran	<200		200	47	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Fluoranthene	89		40	7.5	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Fluorene	<40		40	5.7	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Hexachloroethane	<200		200	62	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-2(0-4)

Lab Sample ID: 500-183012-10

Date Collected: 06/04/20 10:55

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	65		40	10	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Isophorone	<200		200	45	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Naphthalene	<40		40	6.2	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Nitrobenzene	<40		40	10	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
N-Nitrosodi-n-propylamine	<82		82	49	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Phenanthrene	53		40	5.6	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Phenol	<200		200	90	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Pyrene	160		40	8.0	ug/Kg	☼	06/11/20 16:39	06/12/20 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		31 - 143				06/11/20 16:39	06/12/20 19:33	1
2-Fluorobiphenyl	84		43 - 145				06/11/20 16:39	06/12/20 19:33	1
2-Fluorophenol	85		31 - 166				06/11/20 16:39	06/12/20 19:33	1
Nitrobenzene-d5	72		37 - 147				06/11/20 16:39	06/12/20 19:33	1
Phenol-d5	93		30 - 153				06/11/20 16:39	06/12/20 19:33	1
Terphenyl-d14	134		42 - 157				06/11/20 16:39	06/12/20 19:33	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/10/20 05:40	06/10/20 20:45	1
Barium	0.47	J	0.50	0.050	mg/L		06/10/20 05:40	06/10/20 20:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/10/20 05:40	06/10/20 20:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/10/20 20:45	1
Chromium	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:45	1
Cobalt	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:45	1
Copper	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:45	1
Iron	0.20	J	0.40	0.20	mg/L		06/10/20 05:40	06/10/20 20:45	1
Lead	0.017		0.0075	0.0075	mg/L		06/10/20 05:40	06/10/20 20:45	1
Manganese	0.47		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:45	1
Nickel	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:45	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/10/20 20:45	1
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:45	1
Zinc	<0.50		0.50	0.020	mg/L		06/10/20 05:40	06/10/20 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.058		0.050	0.010	mg/L		06/10/20 05:40	06/11/20 01:13	1
Barium	0.58		0.50	0.050	mg/L		06/10/20 05:40	06/11/20 01:13	1
Beryllium	0.0079		0.0040	0.0040	mg/L		06/10/20 05:40	06/11/20 01:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/11/20 01:13	1
Chromium	0.17		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:13	1
Cobalt	0.046		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:13	1
Copper	0.11		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:13	1
Iron	160		0.40	0.20	mg/L		06/10/20 05:40	06/11/20 01:13	1
Lead	0.36		0.0075	0.0075	mg/L		06/10/20 05:40	06/11/20 01:13	1
Manganese	1.1		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:13	1
Nickel	0.14		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:13	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/11/20 01:13	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-2(0-4)

Lab Sample ID: 500-183012-10

Date Collected: 06/04/20 10:55

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:13	1
Zinc	0.51		0.50	0.020	mg/L		06/10/20 05:40	06/11/20 01:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.89	J	1.2	0.23	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Arsenic	6.5		0.59	0.20	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Barium	67		0.59	0.067	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Beryllium	0.73		0.24	0.055	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Cadmium	0.11	J	0.12	0.021	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Calcium	67000		120	20	mg/Kg	☼	06/08/20 18:32	06/10/20 10:24	10
Chromium	15	B	0.59	0.29	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Cobalt	7.4		0.29	0.077	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Copper	14		0.59	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Iron	11000		12	6.1	mg/Kg	☼	06/08/20 18:32	06/10/20 10:21	1
Lead	42		0.29	0.14	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Magnesium	31000		5.9	2.9	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Manganese	320		0.59	0.085	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Nickel	17		0.59	0.17	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Potassium	1600		29	10	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Selenium	<0.59		0.59	0.35	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Silver	<0.29		0.29	0.076	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Sodium	1200		59	8.7	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Thallium	<0.59		0.59	0.29	mg/Kg	☼	06/08/20 18:32	06/10/20 10:21	1
Vanadium	25		0.29	0.069	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1
Zinc	55		1.2	0.52	mg/Kg	☼	06/08/20 18:32	06/09/20 11:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 08:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.64		0.50	0.50	ug/L		06/10/20 09:50	06/11/20 09:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	34		19	6.2	ug/Kg	☼	06/10/20 13:40	06/11/20 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.1		0.2	0.2	SU			06/09/20 10:42	1

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-2(4-8)

Lab Sample ID: 500-183012-11

Date Collected: 06/04/20 11:05

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.1		2.1	0.69	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
1,1,1,2-Tetrachloroethane	<2.1		2.1	0.66	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
1,1,2-Trichloroethane	<2.1		2.1	0.88	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
1,1-Dichloroethane	<2.1		2.1	0.70	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
1,1-Dichloroethene	<2.1		2.1	0.71	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
1,2-Dichloroethane	<5.1		5.1	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
1,2-Dichloropropane	<2.1		2.1	0.53	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
1,3-Dichloropropene, Total	<2.1		2.1	0.72	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
2-Hexanone	<5.1		5.1	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Acetone	18 J		21	8.9	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Benzene	<2.1		2.1	0.52	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Bromodichloromethane	<2.1		2.1	0.42	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Bromoform	<2.1		2.1	0.60	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Bromomethane	<5.1		5.1	1.9	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Carbon disulfide	<5.1		5.1	1.1	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Carbon tetrachloride	<2.1		2.1	0.60	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Chlorobenzene	<2.1		2.1	0.76	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Chloroethane	<5.1 *		5.1	1.5	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Chloroform	<2.1		2.1	0.71	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Chloromethane	<5.1		5.1	2.1	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
cis-1,2-Dichloroethene	<2.1		2.1	0.57	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
cis-1,3-Dichloropropene	<2.1		2.1	0.62	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Dibromochloromethane	<2.1		2.1	0.67	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Ethylbenzene	<2.1		2.1	0.98	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Methyl Ethyl Ketone	2.4 J		5.1	2.3	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
methyl isobutyl ketone	<5.1		5.1	1.5	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Methyl tert-butyl ether	<2.1		2.1	0.60	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Methylene Chloride	<5.1		5.1	2.0	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Styrene	<2.1		2.1	0.62	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Tetrachloroethene	<2.1		2.1	0.70	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Toluene	<2.1		2.1	0.52	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
trans-1,2-Dichloroethene	<2.1		2.1	0.91	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
trans-1,3-Dichloropropene	<2.1		2.1	0.72	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Trichloroethene	<2.1		2.1	0.69	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Vinyl chloride	<2.1		2.1	0.91	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1
Xylenes, Total	<4.1		4.1	0.66	ug/Kg	☼	06/04/20 18:12	06/05/20 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 134	06/04/20 18:12	06/05/20 17:29	1
4-Bromofluorobenzene (Surr)	100		75 - 131	06/04/20 18:12	06/05/20 17:29	1
Dibromofluoromethane	106		75 - 126	06/04/20 18:12	06/05/20 17:29	1
Toluene-d8 (Surr)	93		75 - 124	06/04/20 18:12	06/05/20 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<220		220	47	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
1,2-Dichlorobenzene	<220		220	53	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
1,3-Dichlorobenzene	<220		220	50	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
1,4-Dichlorobenzene	<220		220	56	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2,2'-oxybis[1-chloropropane]	<220		220	51	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
 Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-2(4-8)

Lab Sample ID: 500-183012-11

Date Collected: 06/04/20 11:05

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<440		440	100	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2,4,6-Trichlorophenol	<440		440	150	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2,4-Dichlorophenol	<440		440	100	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2,4-Dimethylphenol	<440		440	170	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2,4-Dinitrophenol	<890		890	780	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2,4-Dinitrotoluene	<220		220	70	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2,6-Dinitrotoluene	<220		220	87	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2-Chloronaphthalene	<220		220	49	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2-Chlorophenol	<220		220	75	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2-Methylnaphthalene	<89		89	8.1	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2-Methylphenol	<220		220	71	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2-Nitroaniline	<220		220	59	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
2-Nitrophenol	<440		440	100	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
3 & 4 Methylphenol	<220		220	73	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
3,3'-Dichlorobenzidine	<220		220	62	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
3-Nitroaniline	<440		440	140	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
4,6-Dinitro-2-methylphenol	<890		890	350	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
4-Bromophenyl phenyl ether	<220		220	58	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
4-Chloro-3-methylphenol	<440		440	150	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
4-Chloroaniline	<890		890	210	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
4-Chlorophenyl phenyl ether	<220		220	51	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
4-Nitroaniline	<440		440	180	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
4-Nitrophenol	<890		890	420	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Acenaphthene	<44		44	7.9	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Acenaphthylene	<44		44	5.8	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Anthracene	<44		44	7.4	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Benzo[a]anthracene	<44		44	5.9	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Benzo[a]pyrene	<44		44	8.5	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Benzo[b]fluoranthene	<44		44	9.5	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Benzo[g,h,i]perylene	<44		44	14	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Benzo[k]fluoranthene	<44		44	13	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Bis(2-chloroethoxy)methane	<220		220	45	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Bis(2-chloroethyl)ether	<220		220	66	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Bis(2-ethylhexyl) phthalate	<220		220	80	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Butyl benzyl phthalate	<220		220	84	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Carbazole	<220		220	110	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Chrysene	<44		44	12	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Dibenz(a,h)anthracene	<44		44	8.5	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Dibenzofuran	<220		220	52	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Diethyl phthalate	<220		220	75	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Dimethyl phthalate	<220		220	58	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Di-n-butyl phthalate	<220		220	67	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Di-n-octyl phthalate	<220		220	72	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Fluoranthene	<44		44	8.2	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Fluorene	<44		44	6.2	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Hexachlorobenzene	<89		89	10	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Hexachlorobutadiene	<220		220	69	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Hexachlorocyclopentadiene	<890		890	250	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Hexachloroethane	<220		220	67	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-2(4-8)

Lab Sample ID: 500-183012-11

Date Collected: 06/04/20 11:05

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<44		44	11	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Isophorone	<220		220	49	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Naphthalene	<44		44	6.8	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Nitrobenzene	<44		44	11	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
N-Nitrosodi-n-propylamine	<89		89	54	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
N-Nitrosodiphenylamine	<220		220	52	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Pentachlorophenol	<890		890	710	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Phenanthrene	<44		44	6.1	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Phenol	<220		220	98	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1
Pyrene	<44		44	8.8	ug/Kg	☼	06/11/20 16:39	06/12/20 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	79		31 - 143	06/11/20 16:39	06/12/20 13:18	1
2-Fluorobiphenyl	75		43 - 145	06/11/20 16:39	06/12/20 13:18	1
2-Fluorophenol	79		31 - 166	06/11/20 16:39	06/12/20 13:18	1
Nitrobenzene-d5	65		37 - 147	06/11/20 16:39	06/12/20 13:18	1
Phenol-d5	93		30 - 153	06/11/20 16:39	06/12/20 13:18	1
Terphenyl-d14	95		42 - 157	06/11/20 16:39	06/12/20 13:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/10/20 05:40	06/10/20 20:50	1
Barium	0.14	J	0.50	0.050	mg/L		06/10/20 05:40	06/10/20 20:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/10/20 05:40	06/10/20 20:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/10/20 20:50	1
Chromium	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:50	1
Cobalt	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:50	1
Copper	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:50	1
Iron	<0.40		0.40	0.20	mg/L		06/10/20 05:40	06/10/20 20:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		06/10/20 05:40	06/10/20 20:50	1
Manganese	1.4		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:50	1
Nickel	0.012	J	0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:50	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/10/20 20:50	1
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 20:50	1
Zinc	<0.50		0.50	0.020	mg/L		06/10/20 05:40	06/10/20 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.026	J	0.050	0.010	mg/L		06/10/20 05:40	06/11/20 01:16	1
Barium	0.54		0.50	0.050	mg/L		06/10/20 05:40	06/11/20 01:16	1
Beryllium	0.0085		0.0040	0.0040	mg/L		06/10/20 05:40	06/11/20 01:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/11/20 01:16	1
Chromium	0.21		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:16	1
Cobalt	0.056		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:16	1
Copper	0.14		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:16	1
Iron	120		0.40	0.20	mg/L		06/10/20 05:40	06/11/20 01:16	1
Lead	0.12		0.0075	0.0075	mg/L		06/10/20 05:40	06/11/20 01:16	1
Manganese	1.2		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:16	1
Nickel	0.19		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:16	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/11/20 01:16	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: DC-2(4-8)

Lab Sample ID: 500-183012-11

Date Collected: 06/04/20 11:05

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 73.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 01:16	1
Zinc	0.50		0.50	0.020	mg/L		06/10/20 05:40	06/11/20 01:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.59	J	1.3	0.26	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Arsenic	2.8		0.66	0.23	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Barium	66		0.66	0.075	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Beryllium	0.94		0.26	0.062	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Cadmium	0.24		0.13	0.024	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Calcium	3200		13	2.2	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Chromium	24	B	0.66	0.33	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Cobalt	10		0.33	0.087	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Copper	18		0.66	0.19	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Iron	10000		13	6.9	mg/Kg	☼	06/08/20 18:32	06/10/20 10:27	1
Lead	20		0.33	0.15	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Magnesium	3600		6.6	3.3	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Manganese	200		0.66	0.096	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Nickel	34		0.66	0.19	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Potassium	2700		33	12	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Selenium	0.52	J	0.66	0.39	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Silver	<0.33		0.33	0.085	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Sodium	3200		66	9.8	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Thallium	0.51	J	0.66	0.33	mg/Kg	☼	06/08/20 18:32	06/10/20 21:43	1
Vanadium	26		0.33	0.078	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1
Zinc	82		1.3	0.58	mg/Kg	☼	06/08/20 18:32	06/09/20 11:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 08:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<1.0		1.0	1.0	ug/L		06/10/20 09:50	06/11/20 09:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	19	J	21	7.0	ug/Kg	☼	06/10/20 13:40	06/11/20 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.3		0.2	0.2	SU			06/09/20 10:45	1

Definitions/Glossary

Client: Environmental Design International, Inc.
 Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
V	Serial Dilution exceeds the control limits

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

Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20 *


- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

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

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: M. Fischer		Site Contact: _____		Date: 6-4-20		COC No: _____			
Company Name: EPI		Tel/Email: M.Fischer@envdotest.com		Lab Contact: R. Weisheit		Carrier: _____		1 of 2 COCs			
Address: 33 W. Monroe, Ste. 1825		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TCLP / SPLP Metals PH		 500-183012 COC		Sampler: M-Fischer			
City/State/Zip: Chicago, IL 60603		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only:			
Phone: 312-345-1400		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client: _____			
Fax: _____								Lab Sampling: _____			
Project Name: PTB 190-006-WO 011A								Job / SDG No.: 500-183012			
Site: _____								Sample Specific Notes:			
P O # 0295.030											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs	SVOCs	Total Metals	TCLP / SPLP Metals	PH
1	CB7-1 (0-2)	6/4/20	0900	G	S	5	X	X	X	X	X
2	CB7-2 (0-2)		0915								
3	CB7-2 (2-7)		0930								
4	CB7-2 (2-7) DUP		0930								
5	DC-1 (0-4)		0945								
6	DC-1 (4-9)		1000								
7	DC-1 (4-9) DUP		1000								
8	MH-1 (0-2)		1020								
9	RR-3 (0-4)		1040								
10	DC-12 (0-4) <i>SMH 6/17/20</i>		1055								
11	DC-12 (4-8) <i>SMH 6/17/20</i>		1105								
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:											
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No											
Custody Seal No.: _____				Cooler Temp. (°C): Obs'd: _____				Therm ID No.: _____			
Relinquished by: <i>MFA</i>		Company: EPI		Date/Time: 6/4/20 1300		Received by: _____		Company: _____		Date/Time: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: _____		Date/Time: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <i>Shaw Scott</i>		Company: TA-CHE		Date/Time: 6/4/20 1300	

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-183012-1

Login Number: 183012

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.0,5.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





Illinois Environmental Protection Agency

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

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

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

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

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

I. Source Location Information

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

Project Name: FAP 876: IL Route 1 (Main Street) over Deer Creek Office Phone Number, if available: _____

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

968-980 Main Street (ISGS Site No. 3074V2-7)

City: Crete State: IL Zip Code: 60417

County: Will Township: Crete

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

Latitude: 41.45871 Longitude: - 87.63365
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

Google Earth

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

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

Estimated Volume of debris (cu. Yd.): 112

II. Owner/Operator Information for Source Site

Site Owner

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

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

Site Operator

Name: Illinois Department of Transportation

Street Address: 201 West Center Court

PO Box: _____

City: Schaumburg State: IL

Zip Code: 60196 Phone: 847-705-4122

Contact: Irma Romiti-Johnson

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

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

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

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

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

LOCATION OF CB7-1 WAS SAMPLED AT SITE 3074V2-7. SEE FIGURE 3-1 AND TABLE 4-1 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

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

TEST AMERICA REPORT - JOB ID: 500-183012-1
ALSO, SEE FIGURE 4-2 OF THE FINAL PRELIMINARY SITE INVESTIGATION REPORT.

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

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

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

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

Michael Fischer
Printed Name:

4/23/21

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Date:



Summary Table of ISGS Site No. 3074V2-7
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
Illinois Department of Transportation
FAP 876: IL Route 1 (Main Street) Over Deer Creek
Crete, Will County, Illinois

Parameter	Soil Reference Concentrations ^a	Location	CB7-1	CB7-2	CB7-2	CB7-2
		Sample Date	6/4/2020	6/4/2020	6/4/2020	6/4/2020
		Field Sample ID	CB7-1(0-2)	CB7-2(0-2)	CB7-2(2-7)D	CB7-2(2-7)
		Lab Sample ID	500-183012-1	500-183012-2	500-183012-4	500-183012-3
		ISGS Site Number	3074V2-007	3074V2-007	3074V2-007	3074V2-007
Result Units						
General Chemistry						
Laboratory pH	---	s.u.	7.1	7.2	7.1	6.8
VOCs (mg/kg)						
Acetone	25	mg/kg	ND	ND	0.031	0.023
Methyl ethyl ketone	---	mg/kg	ND	ND	0.0051 J	0.0042 J
SVOCs (mg/kg)						
2-Methylnaphthalene	---	mg/kg	0.032 J	0.041 J	ND	ND
Acenaphthene	570	mg/kg	0.015 J	0.033 J	ND	ND
Acenaphthylene	---	mg/kg	0.01 J	0.064	ND	ND
Anthracene	12000	mg/kg	0.046	0.062	ND	ND
Benzo(a)anthracene	0.9 / 1.1 / 1.8	mg/kg	0.26	0.13	ND	ND
Benzo(a)pyrene	0.09 / 1.3 / 2.1	mg/kg	0.38	0.22	ND	ND
Benzo(b)fluoranthene	0.9 / 1.5 / 2.1	mg/kg	0.65	0.33	ND	ND
Benzo(g,h,i)perylene	---	mg/kg	0.19	0.098	ND	ND
Benzo(k)fluoranthene	9	mg/kg	0.22	0.097	ND	ND
bis(2-Ethylhexyl)phthalate	46	mg/kg	ND	0.11 J	ND	ND
Carbazole	0.6	mg/kg	ND	ND	ND	ND
Chrysene	88.00001	mg/kg	0.39	0.19	ND	ND
Dibenzo(a,h)anthracene	0.09 / 0.2 / 0.42	mg/kg	0.019 J	0.032 J	ND	ND
Dibenzofuran	---	mg/kg	ND	ND	ND	ND
Fluoranthene	3100	mg/kg	0.64	0.24	ND	ND
Fluorene	560	mg/kg	0.017 J	0.038	ND	ND
Indeno(1,2,3-cd)pyrene	0.9 / 0.9 / 1.6	mg/kg	0.16	0.092	ND	ND
Naphthalene, SVOC	1.8	mg/kg	0.022 J	0.03 J	ND	ND
Phenanthrene	---	mg/kg	0.4	0.16	0.0065 J	ND
Pyrene	2300	mg/kg	0.98	0.24	ND	ND

Continued on next page

Summary Table of ISGS Site No. 3074V2-7
Detected Soil Analytes and Comparison with Applicable Criteria
Soil Analytical Results
Illinois Department of Transportation
FAP 876: IL Route 1 (Main Street) Over Deer Creek
Crete, Will County, Illinois

Parameter	Soil Reference Concentrations ^a	Location	CB7-1	CB7-2	CB7-2	CB7-2
		Sample Date	6/4/2020	6/4/2020	6/4/2020	6/4/2020
		Field Sample ID	CB7-1(0-2)	CB7-2(0-2)	CB7-2(2-7)D	CB7-2(2-7)
		Lab Sample ID	500-183012-1	500-183012-2	500-183012-4	500-183012-3
		ISGS Site Number	3074V2-007	3074V2-007	3074V2-007	3074V2-007
Result Units						
Total Metals (mg/kg)						
Antimony, Total	5	mg/kg	1.2	1.2	0.71 J	1 J
Arsenic, Total	11.3 / 13.0	mg/kg	4.9	4.6	4.3	4.8
Barium, Total	1500	mg/kg	36	64	61	70
Beryllium, Total	22	mg/kg	0.36	0.89	0.78	0.84
Cadmium, Total	5.2	mg/kg	0.36	0.64	0.097 J	0.17
Calcium, Total	---	mg/kg	140000	93000	3000	3400
Chromium, Total	21	mg/kg	11 B	21 B	20 B	21 B
Cobalt, Total	20	mg/kg	6.1	2.9	10	12
Copper, Total	2900	mg/kg	13	21	12	18
Iron, Total	15000 / 15900	mg/kg	6400	11000	11000	12000
Lead, Total	107	mg/kg	71	530	22	18
Magnesium, Total	325000	mg/kg	84000	53000	3400	4200
Manganese, Total	630 / 636	mg/kg	210	360	210	240
Mercury, Total	0.89	mg/kg	0.035	0.035	0.013 J	0.014 J
Nickel, Total	100	mg/kg	14	16	25	31
Potassium, Total	---	mg/kg	1000	1100	1700	2300
Selenium, Total	1.3	mg/kg	ND	ND	0.54 J	0.51 J
Sodium, Total	---	mg/kg	270	780	780	890
Thallium, Total	2.6	mg/kg	ND	ND	ND	ND
Vanadium, Total	550	mg/kg	11	14	22	24
Zinc, Total	5100	mg/kg	78	170	69	76
TCLP Metals (mg/L)						
Barium, TCLP	---	mg/l	0.44 J	0.59	0.34 J	0.36 J
Beryllium, TCLP	---	mg/l	ND	ND	ND	ND
Cadmium, TCLP	---	mg/l	0.0021 J	0.01	ND	ND
Chromium, TCLP	---	mg/l	ND	ND	ND	ND
Cobalt, TCLP	---	mg/l	0.033	0.048	0.023 J	0.026
Iron, TCLP	---	mg/l	ND	7.1	0.34 J	ND
Lead, TCLP	---	mg/l	0.024	1.2	0.015	ND
Manganese, TCLP	---	mg/l	3	7.5	5.2	5.1
Nickel, TCLP	---	mg/l	0.014 J	0.048	0.014 J	0.021 J
Selenium, TCLP	---	mg/l	ND	ND	ND	ND
Zinc, TCLP	---	mg/l	0.2 J	0.73	0.077 J	0.061 J
SPLP Metals (mg/L)						
Arsenic, SPLP	---	mg/l	ND	0.038 J	0.049 J	0.032 J
Barium, SPLP	---	mg/l	0.11 J	0.28 J	0.72	0.53
Beryllium, SPLP	---	mg/l	ND	ND	0.0083	0.0065
Cadmium, SPLP	---	mg/l	ND	ND	ND	ND
Chromium, SPLP	---	mg/l	0.026	0.083	0.22	0.15
Cobalt, SPLP	---	mg/l	ND	0.028	0.061	0.045
Copper, SPLP	---	mg/l	0.023 J	0.091	0.15	0.13
Iron, SPLP	---	mg/l	19	75	150	110
Lead, SPLP	---	mg/l	0.085	1.1	0.19	0.12
Manganese, SPLP	---	mg/l	0.13	0.75	1.6	1.4
Mercury, SPLP	---	mg/l	ND	0.00021	0.00039	0.00021
Nickel, SPLP	---	mg/l	0.022 J	0.079	0.18	0.13
Selenium, SPLP	---	mg/l	ND	ND	ND	ND
Zinc, SPLP	---	mg/l	0.15 J	0.35 J	0.52	0.35 J

Notes:

- not applicable or value not available.
- ^a - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.
- ^b - Soil Remediation Objective for Construction Worker, most stringent of the *Ingestion or Inhalation* exposure route.
- ND - Constituent not detected above the reporting limit.
- J - Estimated concentration.
- Shaded values indicate concentration exceeds Reference Concentration.

ANALYTICAL REPORT

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

Laboratory Job ID: 500-183012-1
Client Project/Site: IDOT - Crete - WO 011
Revision: 1

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

Attn: Michael Fischer



Authorized for release by:
6/17/2020 11:16:44 AM

Richard Wright, Senior Project Manager
(708)746-0045
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Method Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

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
6010B	Total Metals	SW846	TAL CHI
7470A	Mercury (CVAA)	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 TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: CB7-1(0-2)

Lab Sample ID: 500-183012-1

Date Collected: 06/04/20 09:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<2.2		2.2	0.75	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
1,1,2,2-Tetrachloroethane	<2.2		2.2	0.71	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
1,1,2-Trichloroethane	<2.2		2.2	0.96	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
1,1-Dichloroethane	<2.2		2.2	0.76	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
1,1-Dichloroethene	<2.2		2.2	0.77	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
1,2-Dichloroethane	<5.6		5.6	1.7	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
1,2-Dichloropropane	<2.2		2.2	0.58	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
1,3-Dichloropropene, Total	<2.2		2.2	0.78	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
2-Hexanone	<5.6		5.6	1.7	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Acetone	<22		22	9.7	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Benzene	<2.2		2.2	0.57	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Bromodichloromethane	<2.2		2.2	0.45	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Bromoform	<2.2		2.2	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Bromomethane	<5.6		5.6	2.1	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Carbon disulfide	<5.6		5.6	1.2	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Carbon tetrachloride	<2.2		2.2	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Chlorobenzene	<2.2		2.2	0.82	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Chloroethane	<5.6 *		5.6	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Chloroform	<2.2		2.2	0.77	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Chloromethane	<5.6		5.6	2.2	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
cis-1,2-Dichloroethene	<2.2		2.2	0.62	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
cis-1,3-Dichloropropene	<2.2		2.2	0.67	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Dibromochloromethane	<2.2		2.2	0.73	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Ethylbenzene	<2.2		2.2	1.1	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Methyl Ethyl Ketone	<5.6		5.6	2.5	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
methyl isobutyl ketone	<5.6		5.6	1.6	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Methyl tert-butyl ether	<2.2		2.2	0.65	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Methylene Chloride	<5.6		5.6	2.2	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Styrene	<2.2		2.2	0.67	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Tetrachloroethene	<2.2		2.2	0.76	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Toluene	<2.2		2.2	0.56	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
trans-1,2-Dichloroethene	<2.2		2.2	0.99	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
trans-1,3-Dichloropropene	<2.2		2.2	0.78	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Trichloroethene	<2.2		2.2	0.75	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Vinyl chloride	<2.2		2.2	0.99	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1
Xylenes, Total	<4.5		4.5	0.71	ug/Kg	☼	06/04/20 18:12	06/05/20 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 134	06/04/20 18:12	06/05/20 13:02	1
4-Bromofluorobenzene (Surr)	105		75 - 131	06/04/20 18:12	06/05/20 13:02	1
Dibromofluoromethane	100		75 - 126	06/04/20 18:12	06/05/20 13:02	1
Toluene-d8 (Surr)	85		75 - 124	06/04/20 18:12	06/05/20 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: CB7-1(0-2)

Lab Sample ID: 500-183012-1

Date Collected: 06/04/20 09:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2-Methylnaphthalene	32	J	78	7.1	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2-Methylphenol	<190		190	62	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
4,6-Dinitro-2-methylphenol	<780		780	310	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Acenaphthene	15	J	38	6.9	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Acenaphthylene	10	J	38	5.1	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Anthracene	46		38	6.4	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Benzo[a]anthracene	260		38	5.2	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Benzo[a]pyrene	380		38	7.4	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Benzo[b]fluoranthene	650		38	8.3	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Benzo[g,h,i]perylene	190		38	12	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Benzo[k]fluoranthene	220		38	11	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Carbazole	<190		190	96	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Chrysene	390		38	10	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Dibenz(a,h)anthracene	19	J	38	7.4	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Dibenzofuran	<190		190	45	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Fluoranthene	640		38	7.1	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Fluorene	17	J	38	5.4	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Hexachloroethane	<190		190	58	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: CB7-1(0-2)

Lab Sample ID: 500-183012-1

Date Collected: 06/04/20 09:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	160		38	10	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Isophorone	<190		190	43	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Naphthalene	22	J	38	5.9	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
N-Nitrosodi-n-propylamine	<78		78	47	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Phenanthrene	400		38	5.4	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Phenol	<190		190	85	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Pyrene	980		38	7.6	ug/Kg	☼	06/11/20 16:39	06/12/20 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	93		31 - 143				06/11/20 16:39	06/12/20 19:56	1
2-Fluorobiphenyl	104		43 - 145				06/11/20 16:39	06/12/20 19:56	1
2-Fluorophenol	99		31 - 166				06/11/20 16:39	06/12/20 19:56	1
Nitrobenzene-d5	91		37 - 147				06/11/20 16:39	06/12/20 19:56	1
Phenol-d5	103		30 - 153				06/11/20 16:39	06/12/20 19:56	1
Terphenyl-d14	159	X	42 - 157				06/11/20 16:39	06/12/20 19:56	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/10/20 05:40	06/10/20 19:03	1
Barium	0.44	J	0.50	0.050	mg/L		06/10/20 05:40	06/10/20 19:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/10/20 05:40	06/10/20 19:03	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		06/10/20 05:40	06/10/20 19:03	1
Chromium	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:03	1
Cobalt	0.033		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:03	1
Copper	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:03	1
Iron	<0.40		0.40	0.20	mg/L		06/10/20 05:40	06/10/20 19:03	1
Lead	0.024		0.0075	0.0075	mg/L		06/10/20 05:40	06/10/20 19:03	1
Manganese	3.0		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:03	1
Nickel	0.014	J	0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:03	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/10/20 19:03	1
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/10/20 19:03	1
Zinc	0.20	J	0.50	0.020	mg/L		06/10/20 05:40	06/10/20 19:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/10/20 05:40	06/11/20 00:25	1
Barium	0.11	J	0.50	0.050	mg/L		06/10/20 05:40	06/11/20 00:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/10/20 05:40	06/11/20 00:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/10/20 05:40	06/11/20 00:25	1
Chromium	0.026		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:25	1
Cobalt	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:25	1
Copper	0.023	J	0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:25	1
Iron	19		0.40	0.20	mg/L		06/10/20 05:40	06/11/20 00:25	1
Lead	0.085		0.0075	0.0075	mg/L		06/10/20 05:40	06/11/20 00:25	1
Manganese	0.13		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:25	1
Nickel	0.022	J	0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:25	1
Selenium	<0.050		0.050	0.020	mg/L		06/10/20 05:40	06/11/20 00:25	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Client Sample ID: CB7-1(0-2)

Lab Sample ID: 500-183012-1

Date Collected: 06/04/20 09:00

Matrix: Solid

Date Received: 06/04/20 13:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		06/10/20 05:40	06/11/20 00:25	1
Zinc	0.15	J	0.50	0.020	mg/L		06/10/20 05:40	06/11/20 00:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.2		1.2	0.23	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Arsenic	4.9		0.58	0.20	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Barium	36		0.58	0.066	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Beryllium	0.36		0.23	0.054	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Cadmium	0.36		0.12	0.021	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Calcium	140000		120	20	mg/Kg	☼	06/08/20 18:32	06/10/20 09:39	10
Chromium	11	B	0.58	0.29	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Cobalt	6.1		0.29	0.076	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Copper	13		0.58	0.16	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Iron	6400		12	6.0	mg/Kg	☼	06/08/20 18:32	06/10/20 09:36	1
Lead	71		0.29	0.13	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Magnesium	84000		58	29	mg/Kg	☼	06/08/20 18:32	06/10/20 09:39	10
Manganese	210		0.58	0.084	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Nickel	14		0.58	0.17	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Potassium	1000		29	10	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Selenium	<0.58		0.58	0.34	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Silver	<0.29		0.29	0.075	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Sodium	270		58	8.6	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Thallium	<0.58		0.58	0.29	mg/Kg	☼	06/08/20 18:32	06/10/20 09:36	1
Vanadium	11		0.29	0.068	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1
Zinc	78		1.2	0.51	mg/Kg	☼	06/08/20 18:32	06/09/20 10:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 08:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.20	ug/L		06/10/20 09:50	06/11/20 08:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	35		18	6.0	ug/Kg	☼	06/10/20 13:40	06/11/20 08:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.1		0.2	0.2	SU			06/09/20 10:15	1

Definitions/Glossary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
V	Serial Dilution exceeds the control limits

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

Eurofins TestAmerica, Chicago

Accreditation/Certification Summary

Client: Environmental Design International, Inc.
Project/Site: IDOT - Crete - WO 011

Job ID: 500-183012-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20 *


- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

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

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: M. Fischer		Site Contact: _____		Date: 6-4-20		COC No: _____			
Company Name: EPI		Tel/Email: M.Fischer@envdot.org		Lab Contact: R. Weisheit		Carrier: _____		1 of 2 COCs			
Address: 33 W. Monroe, Ste. 1825		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) VOCs SVOCs Total Metals TCLP / SPLP Metals PH		 500-183012 COC		Sampler: M-Fischer			
City/State/Zip: Chicago, IL 60603		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____						For Lab Use Only:			
Phone: 312-345-1400		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Walk-in Client: _____			
Fax: _____								Lab Sampling: _____			
Project Name: PTB 190-006-WO 011A								Job / SDG No.: 500-183012			
Site: _____								Sample Specific Notes:			
P O # 0295.030											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	VOCs	SVOCs	Total Metals	TCLP / SPLP Metals	PH
1	CB7-1 (0-2)	6/4/20	0900	G	S	5	X	X	X	X	X
2	CB7-2 (0-2)		0915								
3	CB7-2 (2-7)		0930								
4	CB7-2 (2-7) DUP		0930								
5	DC-1 (0-4)		0945								
6	DC-1 (4-9)		1000								
7	DC-1 (4-9) DUP		1000								
8	MH-1 (0-2)		1020								
9	RR-3 (0-4)		1040								
10	DC-12 (0-4) <i>SMH 6/17/20</i>		1055								
11	DC-12 (4-8) <i>SMH 6/17/20</i>		1105								
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____											
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:											
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No											
Custody Seal No.: _____				Cooler Temp. (°C): Obs'd: _____				Therm ID No.: _____			
Relinquished by: <i>MFA</i>		Company: EPI		Date/Time: 6/4/20 1300		Received by: _____		Company: _____		Date/Time: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received by: _____		Company: _____		Date/Time: _____	
Relinquished by: _____		Company: _____		Date/Time: _____		Received in Laboratory by: <i>Shaw Scott</i>		Company: TA-CHE		Date/Time: 6/4/20 1300	

Login Sample Receipt Checklist

Client: Environmental Design International, Inc.

Job Number: 500-183012-1

Login Number: 183012

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	6.0,5.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	