



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

200 block of W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96105 Longitude: -87.94316
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96105 Longitude: -87.94316

Uncontaminated Site 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 E1213B01 was sampled within the construction zone adjacent to ISGS #1583V-13: Bensenville Ditch. Refer to PSI Report for ISGS #1583V-13: Bensenville Ditch including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36406.

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

I, Steven Gobelman (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))

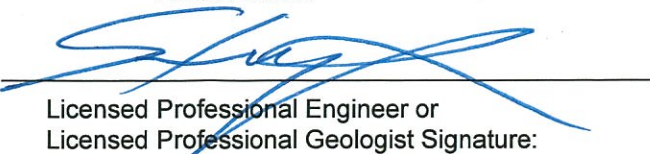
Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

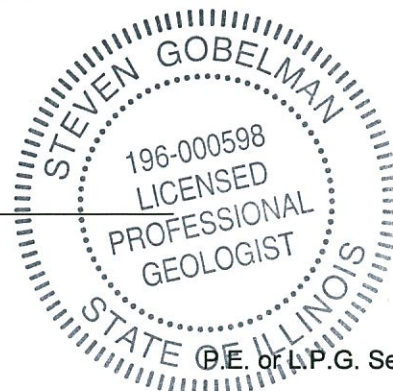
City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman
Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15
Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-13 (Bensenville Ditch)	Comparison Criteria			
BORING	E1213B01	MACs			TACO SCGIER
SAMPLE	E1213B01 (0-2)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil				
DEPTH (m)	0.0-0.6				
pH	8.03				
VOCs (None Detected)					
SVOCs (µg/kg)					
Acenaphthene	25 J	570,000	--	--	--
Anthracene	95	12,000,000	--	--	--
Benzo[a]anthracene	610	900	1,800	1,100	--
Benzo[a]pyrene	530 †	90	2,100	1,300	--
Benzo[b]fluoranthene	630	900	2,100	1,500	--
Benzo[g,h,i]perylene	390	2,300,000	--	--	--
Benzo[k]fluoranthene	330	9,000	--	--	--
Chrysene	570	88,000	--	--	--
Dibenzo(a,h)anthracene	160 †	90	420	200	--
Fluoranthene	980	3,100,000	--	--	--
Fluorene	30 J	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	310	900	1,600	900	--
Phenanthrene	440	210,000	--	--	--
Pyrene	1,000	2,300,000	--	--	--
Inorganics (mg/kg)					
Arsenic	7.5	11.3	13	--	0.05
Barium	75	1,500	--	--	2
Cadmium	0.38	5.2	--	--	0.005
Chromium	15	21	--	--	0.1
Lead	25	107	--	--	0.0075
Mercury	0.043	0.89	--	--	0.002
TCLP Metals (mg/L)					
Barium	0.57	1,500	--	--	2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1213B01 (0-2)

Lab Sample ID: 500-36406-6

Date Collected: 07/08/11 08:30

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/18/11 20:34	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/18/11 20:34	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/18/11 20:34	20
Chloroform	<0.020		0.020	0.010	mg/L			07/18/11 20:34	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/18/11 20:34	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 20:34	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/18/11 20:34	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/18/11 20:34	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 20:34	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/18/11 20:34	20

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 124		07/18/11 20:34	20
Toluene-d8 (Surr)	97		80 - 121		07/18/11 20:34	20
4-Bromofluorobenzene (Surr)	96		77 - 112		07/18/11 20:34	20
Dibromofluoromethane	96		78 - 119		07/18/11 20:34	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.9		4.9	0.53	ug/Kg	*	07/08/11 08:30	07/12/11 17:14	1
Toluene	<4.9		4.9	0.95	ug/Kg	*	07/08/11 08:30	07/12/11 17:14	1
Ethylbenzene	<4.9		4.9	0.74	ug/Kg	*	07/08/11 08:30	07/12/11 17:14	1
Xylenes, Total	<9.8		9.8	0.69	ug/Kg	*	07/08/11 08:30	07/12/11 17:14	1
Methyl tert-butyl ether	<4.9		4.9	0.74	ug/Kg	*	07/08/11 08:30	07/12/11 17:14	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		69 - 120	07/08/11 08:30	07/12/11 17:14	1
Toluene-d8 (Surr)	92		69 - 122	07/08/11 08:30	07/12/11 17:14	1
4-Bromofluorobenzene (Surr)	87		67 - 120	07/08/11 08:30	07/12/11 17:14	1
Dibromofluoromethane	86		69 - 120	07/08/11 08:30	07/12/11 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<36		36	6.6	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Acenaphthylene	<36		36	5.6	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Acenaphthene	25	J	36	7.6	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Fluorene	30	J	36	6.9	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Phenanthrene	440		36	7.1	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Anthracene	95		36	6.6	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Fluoranthene	980		36	6.7	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Pyrene	1000		36	12	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Benzo[a]anthracene	610		36	7.8	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Chrysene	570		36	12	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Benzo[b]fluoranthene	630		36	7.5	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Benzo[k]fluoranthene	330		36	8.5	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Benzo[a]pyrene	530		36	6.9	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Indeno[1,2,3-cd]pyrene	310		36	9.2	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Dibenz(a,h)anthracene	160		36	9.1	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1
Benzo[g,h,i]perylene	390		36	8.8	ug/Kg	*	07/13/11 16:27	07/15/11 15:39	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1213B01 (0-2)

Lab Sample ID: 500-36406-6

Date Collected: 07/08/11 08:30

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 91.3

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	73		22 - 110	07/13/11 16:27	07/15/11 15:39	1
2-Fluorobiphenyl	82		27 - 113	07/13/11 16:27	07/15/11 15:39	1
Terphenyl-d14	99		33 - 129	07/13/11 16:27	07/15/11 15:39	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:46	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:46	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:46	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:46	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:46	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:46	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:46	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 15:46	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 15:46	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 15:46	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:46	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:46	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	47		20 - 100	07/18/11 01:50	07/18/11 15:46	1
Phenol-d5	31		20 - 100	07/18/11 01:50	07/18/11 15:46	1
Nitrobenzene-d5	80		39 - 110	07/18/11 01:50	07/18/11 15:46	1
2-Fluorobiphenyl	81		44 - 110	07/18/11 01:50	07/18/11 15:46	1
2,4,6-Tribromophenol	101		46 - 126	07/18/11 01:50	07/18/11 15:46	1
Terphenyl-d14	101		52 - 131	07/18/11 01:50	07/18/11 15:46	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 15:37	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 15:37	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 15:37	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 15:37	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 15:37	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 15:37	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 15:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	92		36 - 126	07/15/11 11:55	07/18/11 15:37	1
Tetrachloro-m-xylene	86		42 - 120	07/15/11 11:55	07/18/11 15:37	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<18		18	4.2	ug/Kg	☼	07/12/11 19:17	07/14/11 14:41	1
PCB-1221	<18		18	6.7	ug/Kg	☼	07/12/11 19:17	07/14/11 14:41	1
PCB-1232	<18		18	6.1	ug/Kg	☼	07/12/11 19:17	07/14/11 14:41	1
PCB-1242	<18		18	5.4	ug/Kg	☼	07/12/11 19:17	07/14/11 14:41	1
PCB-1248	<18		18	6.0	ug/Kg	☼	07/12/11 19:17	07/14/11 14:41	1
PCB-1254	<18		18	5.5	ug/Kg	☼	07/12/11 19:17	07/14/11 14:41	1
PCB-1260	<18		18	5.7	ug/Kg	☼	07/12/11 19:17	07/14/11 14:41	1
Polychlorinated biphenyls, Total	<18		18	4.2	ug/Kg	☼	07/12/11 19:17	07/14/11 14:41	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1213B01 (0-2)

Lab Sample ID: 500-36406-6

Date Collected: 07/08/11 08:30

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 91.3

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		28 - 124	07/12/11 19:17	07/14/11 14:41	1
DCB Decachlorobiphenyl	93		38 - 130	07/12/11 19:17	07/14/11 14:41	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 07:48	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 07:48	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	78		30 - 110	07/15/11 11:13	07/18/11 07:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.5		0.53	0.074	mg/Kg	☼	07/11/11 16:40	07/14/11 06:00	1
Barium	75		0.53	0.030	mg/Kg	☼	07/11/11 16:40	07/14/11 06:00	1
Cadmium	0.38		0.11	0.014	mg/Kg	☼	07/11/11 16:40	07/14/11 06:00	1
Chromium	15		0.53	0.045	mg/Kg	☼	07/11/11 16:40	07/14/11 06:00	1
Lead	25		0.26	0.13	mg/Kg	☼	07/11/11 16:40	07/14/11 06:00	1
Selenium	<0.53		0.53	0.15	mg/Kg	☼	07/11/11 16:40	07/14/11 06:00	1
Silver	<0.26		0.26	0.033	mg/Kg	☼	07/11/11 16:40	07/14/11 06:00	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		07/15/11 10:30	07/15/11 23:53	1
Barium	0.57		0.50	0.010	mg/L		07/15/11 10:30	07/15/11 23:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 23:53	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 23:53	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 23:53	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 23:53	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 23:53	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:27	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.018	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 12:02	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/14/11 10:54	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	5.8	mg/Kg		07/14/11 09:32	07/14/11 12:38	1
Cyanide, Reactive	<0.32		0.32	0.080	mg/Kg		07/12/11 18:00	07/12/11 20:54	1
pH	8.03		0.200	0.200	SU			07/19/11 14:26	1
Paint Filter	pass				mL/100g			07/14/11 15:05	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: **500-36406**
 Chain of Custody Number: **EEG-12-11**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.6)(4.1)(3.8)**

Report To: **Dean Teibert**
 Contact: **P-E**
 Company: **33 W. Main St. Suite 550**
 Address: **14.4.4.4, IL 60603**
 Address: **312.578.9243**
 Phone: **312.578.9243**
 Fax: **312.578.9243**
 E-Mail: **dtteibert@me.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Lab ID	MSMSD	Sample ID	Date	Sampling		Matrix	Preservative	Parameter	Total PCBs	Metals	PCB/PAH	BTEX+MTHC	PAH	Wash Disposal	PH/0.5:0.8	Metals	VOC	Comments
				Date	Time													
1		E1220B02(4-6)	7-7-11	1530	2 S				X	X	X	X	X		X	X		For Waste
2		E1220B02(6-8)	7-7-11	1535	2 S				X	X	X	X	X		X	X		disposal sample
3		E1220B03(0-2)	7-7-11	1555	2 S				X	X	X	X	X		X	X		E1220B01(2-4)
4		E1220B03(4-6)	7-7-11	1600	2 S				X	X	X	X	X		X	X		minus pH and
5		E1220B01(2-4)	7-7-11	1355	1 S				X	X	X	X	X		X	X		Test metals as
6		E1213B01(0-2)	7-8-11	0830	3 S				X	X	X	X	X		X	X		parent sample
7		E1218B01(4-6)	7-8-11	0910	3 S				X	X	X	X	X		X	X		sent to Lab
8		E1215B01(2-4)	7-8-11	0930	3 S				X	X	X	X	X		X	X		on 7-7-11
9		E1219B01(0-2)	7-8-11	1100	3 S				X	X	X	X	X		X	X		

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

Requested Due Date _____

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

Relinquished By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1440**
 Relinquished By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1600**
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: **JRS** Company: **TA** Date: **7-8-11** Time: **1600**
 Received By: **JRS** Company: **TA** Date: **7-8-11** Time: **1600**
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: **TA**
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Zebert
 Contract: E-E
 Company: 3D W. Minerals, St. Louis, MO
 Address: Chicago, IL 60603
 Address: 312 578 9213
 Phone: 312 778 9345
 Fax: 312 778 9345
 E-Mail: dz@3dminerals.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Chain of Custody Record

Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-13
 Page: 1 of 1
 Temperature: 0 C of Cooler.

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Containers	Preservative	Parameter	VOC	PAH	Total PCB	Trip PCB	Pb/As/Sb	Work Dupes	Comments
13		E1221B02(2-4)	7-8-11	1130	2	5			X	X	X	X	X		
14		E1221B02(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
15		E1221B02D(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
16		E1221B01(4-6)	7-8-11	1230	2	5			X	X	X	X	X		
17		E1221B01(14-16)	7-8-11	1200	2	5			X	X	X	X	X		
18		E1222B01(2-4)	7-8-11	1305	2	5			X	X	X	X	X		
19		E1222B01(4-6)	7-8-11	1345	3	5			X	X	X	X	X		
20		E1222B02(0-2)	7-8-11	1350	2	5			X	X	X	X	X		
21		E1222B02(4-6)	7-8-11	1410	3	5			X	X	X	X	X		
22		E1223B01(2-4)	7-8-11	1410	3	5			X	X	X	X	X		

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

Requested Due Date: _____

Resubmitted By: [Signature] Company: RIC Date: 7-8-11 Time: 1940

Resubmitted By: [Signature] Company: ATA Date: 7-8-11 Time: 1600

Resubmitted By: _____ Company: _____ Date: _____ Time: _____

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

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

210 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96084 Longitude: -87.94321
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96084 Longitude: -87.94321

Uncontaminated Site 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 E1215B01 was sampled within the construction zone adjacent to ISGS #1583V-15: Vacant Building. Refer to PSI Report for ISGS #1583V-15: Vacant Building including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36406.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

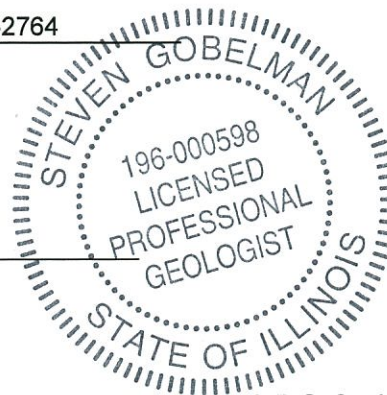
Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/13/15

Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-15 (Vacant Building)	Comparison Criteria			
		Most Stringent	Within an MSA	Within Chicago	TACO SCGIER
BORING	E1215B01				
SAMPLE	E1215B01 (2-4)				
MATRIX	Soil				
DEPTH (m)	0.6-1.2				
pH	6.95				
VOCs (None Detected)					
SVOCs (µg/kg)					
Benzo[a]anthracene	31 J	900	1,800	1,100	--
Benzo[a]pyrene	34 J	90	2,100	1,300	--
Benzo[b]fluoranthene	52	900	2,100	1,500	--
Benzo[g,h,i]perylene	53	2,300,000	--	--	--
Benzo[k]fluoranthene	21 J	9,000	--	--	--
Chrysene	42 J	88,000	--	--	--
Dibenzo(a,h)anthracene	21 J	90	420	200	--
Fluoranthene	47	3,100,000	--	--	--
Indeno[1,2,3-cd]pyrene	37 J	900	1,600	900	--
Phenanthrene	23 J	210,000	--	--	--
Pyrene	51	2,300,000	--	--	--
PCBs (µg/kg)					
PCB-1260	19 J	1,000	--	--	--
PCBs, total	19	--	--	--	--
Inorganics (mg/kg)					
Arsenic	6.2	11.3	13	--	0.05
Barium	96	1,500	--	--	2
Cadmium	0.41	5.2	--	--	0.005
Chromium	20	21	--	--	0.1
Lead	56 V	107	--	--	0.0075
Mercury	0.060	0.89	--	--	0.002
Selenium	0.26 J	1.3	--	--	0.05
TCLP Metals (mg/L)					
Arsenic	0.011 J	11.3	13	--	0.05
Barium	0.33 J	1,500	--	--	2
Lead	0.029 L	107	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

- 1
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- 14

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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- 2
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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1215B01 (2-4)

Lab Sample ID: 500-36406-8

Date Collected: 07/08/11 09:30

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/18/11 21:18	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/18/11 21:18	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/18/11 21:18	20
Chloroform	<0.020		0.020	0.010	mg/L			07/18/11 21:18	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/18/11 21:18	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 21:18	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/18/11 21:18	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/18/11 21:18	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 21:18	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/18/11 21:18	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 124					07/18/11 21:18	20
Toluene-d8 (Surr)	102		80 - 121					07/18/11 21:18	20
4-Bromofluorobenzene (Surr)	99		77 - 112					07/18/11 21:18	20
Dibromofluoromethane	98		78 - 119					07/18/11 21:18	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.9		5.9	0.64	ug/Kg	*	07/08/11 09:30	07/12/11 18:06	1
Toluene	<5.9		5.9	1.2	ug/Kg	*	07/08/11 09:30	07/12/11 18:06	1
Ethylbenzene	<5.9		5.9	0.89	ug/Kg	*	07/08/11 09:30	07/12/11 18:06	1
Xylenes, Total	<12		12	0.83	ug/Kg	*	07/08/11 09:30	07/12/11 18:06	1
Methyl tert-butyl ether	<5.9		5.9	0.89	ug/Kg	*	07/08/11 09:30	07/12/11 18:06	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		69 - 120				07/08/11 09:30	07/12/11 18:06	1
Toluene-d8 (Surr)	94		69 - 122				07/08/11 09:30	07/12/11 18:06	1
4-Bromofluorobenzene (Surr)	94		67 - 120				07/08/11 09:30	07/12/11 18:06	1
Dibromofluoromethane	90		69 - 120				07/08/11 09:30	07/12/11 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<44		44	8.1	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Acenaphthylene	<44		44	6.9	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Acenaphthene	<44		44	9.3	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Fluorene	<44		44	8.5	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Phenanthrene	23	J	44	8.8	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Anthracene	<44		44	8.2	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Fluoranthene	47		44	8.3	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Pyrene	51		44	15	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Benzo[a]anthracene	31	J	44	9.6	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Chrysene	42	J	44	14	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Benzo[b]fluoranthene	52		44	9.2	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Benzo[k]fluoranthene	21	J	44	10	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Benzo[a]pyrene	34	J	44	8.6	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Indeno[1,2,3-cd]pyrene	37	J	44	11	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Dibenz[a,h]anthracene	21	J	44	11	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1
Benzo[g,h,i]perylene	53		44	11	ug/Kg	*	07/13/11 16:27	07/15/11 16:00	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1215B01 (2-4)

Lab Sample ID: 500-36406-8

Date Collected: 07/08/11 09:30

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 73.6

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	48		22 - 110	07/13/11 16:27	07/15/11 16:00	1
2-Fluorobiphenyl	60		27 - 113	07/13/11 16:27	07/15/11 16:00	1
Terphenyl-d14	73		33 - 129	07/13/11 16:27	07/15/11 16:00	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:01	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:01	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:01	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:01	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:01	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:01	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:01	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 18:01	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 18:01	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 18:01	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:01	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:01	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	42		20 - 100	07/18/11 01:50	07/18/11 18:01	1
Phenol-d5	27		20 - 100	07/18/11 01:50	07/18/11 18:01	1
Nitrobenzene-d5	78		39 - 110	07/18/11 01:50	07/18/11 18:01	1
2-Fluorobiphenyl	80		44 - 110	07/18/11 01:50	07/18/11 18:01	1
2,4,6-Tribromophenol	96		46 - 126	07/18/11 01:50	07/18/11 18:01	1
Terphenyl-d14	94		52 - 131	07/18/11 01:50	07/18/11 18:01	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 16:56	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 16:56	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 16:56	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 16:56	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 16:56	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 16:56	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 16:56	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		36 - 126	07/15/11 11:55	07/18/11 16:56	1
Tetrachloro-m-xylene	82		42 - 120	07/15/11 11:55	07/18/11 16:56	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<22		22	5.2	ug/Kg	⚠	07/12/11 19:17	07/14/11 15:08	1
PCB-1221	<22		22	8.3	ug/Kg	⚠	07/12/11 19:17	07/14/11 15:08	1
PCB-1232	<22		22	7.6	ug/Kg	⚠	07/12/11 19:17	07/14/11 15:08	1
PCB-1242	<22		22	6.7	ug/Kg	⚠	07/12/11 19:17	07/14/11 15:08	1
PCB-1248	<22		22	7.5	ug/Kg	⚠	07/12/11 19:17	07/14/11 15:08	1
PCB-1254	<22		22	6.8	ug/Kg	⚠	07/12/11 19:17	07/14/11 15:08	1
PCB-1260	19	J	22	7.1	ug/Kg	⚠	07/12/11 19:17	07/14/11 15:08	1
Polychlorinated biphenyls, Total	19	J	22	5.2	ug/Kg	⚠	07/12/11 19:17	07/14/11 15:08	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1215B01 (2-4)

Lab Sample ID: 500-36406-8

Date Collected: 07/08/11 09:30

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 73.6

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		28 - 124	07/12/11 19:17	07/14/11 15:08	1
DCB Decachlorobiphenyl	87		38 - 130	07/12/11 19:17	07/14/11 15:08	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 08:31	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 08:31	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	68		30 - 110	07/15/11 11:13	07/18/11 08:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.2		0.64	0.090	mg/Kg	☼	07/11/11 16:40	07/14/11 06:13	1
Barium	96		0.64	0.036	mg/Kg	☼	07/11/11 16:40	07/14/11 06:13	1
Cadmium	0.41		0.13	0.017	mg/Kg	☼	07/11/11 16:40	07/14/11 06:13	1
Chromium	20		0.64	0.054	mg/Kg	☼	07/11/11 16:40	07/14/11 06:13	1
Lead	56	V	0.32	0.15	mg/Kg	☼	07/11/11 16:40	07/14/11 06:13	1
Selenium	0.26	J	0.64	0.18	mg/Kg	☼	07/11/11 16:40	07/14/11 06:13	1
Silver	<0.32		0.32	0.040	mg/Kg	☼	07/11/11 16:40	07/14/11 06:13	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		07/15/11 10:30	07/16/11 00:05	1
Barium	0.33	J	0.50	0.010	mg/L		07/15/11 10:30	07/16/11 00:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/16/11 00:05	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/16/11 00:05	1
Lead	0.029		0.0075	0.0050	mg/L		07/15/11 10:30	07/16/11 00:05	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/16/11 00:05	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/16/11 00:05	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:32	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060		0.020	0.0021	mg/Kg	☼	07/14/11 08:50	07/14/11 12:05	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/14/11 13:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<46		46	5.4	mg/Kg		07/14/11 09:40	07/14/11 12:39	1
Cyanide, Reactive	<0.25		0.25	0.063	mg/Kg		07/12/11 18:00	07/12/11 20:55	1
pH	6.95		0.200	0.200	SU			07/19/11 14:31	1
Paint Filter	pass				mL/100g			07/14/11 15:40	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: **500-36406**
 Chain of Custody Number: **EEG-12-11**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.6)(4.1)(3.8)**

Report To: **Dean Teibert**
 Contact: **P-E**
 Company: **33 W. Main St. Suite 550**
 Address: **14.4.4.4, IL 60603**
 Address: **312.578.9243**
 Phone: **312.578.9243**
 Fax: **312.578.9243**
 E-Mail: **dtteibert@me.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# / Reference# _____

Lab ID	MSMSD	Sample ID	Date	Sampling		Matrix	Preservative	Parameter	Total PCBs	Metals	PCB/PAHs	PH/0.5-1.8	Wash	VOC	Comments
				Date	Time										
1		E1220B02(4-6)	7-7-11	1530	2 S		RAH	X	X	X	X	X	X		For Waste
2		E1220B02(6-8)	7-7-11	1535	2 S		BTEX+MTHC	X	X	X	X	X	X		disposal sample
3		E1220B03(0-2)	7-7-11	1555	2 S			X	X	X	X	X	X		E1220B01(2-4)
4		E1220B03(4-6)	7-7-11	1600	2 S			X	X	X	X	X	X		minus pH and
5		E1220B01(2-4)	7-7-11	1355	1 S			X	X	X	X	X	X		Test metals as
6		E1213B01(0-2)	7-8-11	0830	3 S			X	X	X	X	X	X		parent sample
7		E1218B01(4-6)	7-8-11	0910	3 S			X	X	X	X	X	X		sent to Lab
8		E1215B01(2-4)	7-8-11	0930	3 S			X	X	X	X	X	X		on 7-7-11.
9		E1219B01(0-2)	7-8-11	1100	3 S			X	X	X	X	X	X		

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

Requested Due Date _____

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

Relinquished By: **JMS** Company: **E.E.** Date: **7-8-11** Time: **1440**
 Relinquished By: **JMS** Company: **E.E.** Date: **7-8-11** Time: **1600**
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: **JMS** Company: **JMS** Date: **7-8-11** Time: **1440**
 Received By: **JMS** Company: **JMS** Date: **7-8-11** Time: **1600**
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: **TA**
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Zebert
 Contract: E-E
 Company: 3D W. Minerals, St. Louis, MO
 Address: Chicago, IL 60603
 Address: 312 578 9213
 Phone: 312 778 9345
 Fax: Atlanta, GA
 E-Mail: atlanta@e-e.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# Reference# _____

Chain of Custody Record
 Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-13
 Page: 1 of 1
 Temperature: 0 C of Cooler.

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Containers	Preservative	Parameter	VOC	PAH	Total PCB	Trip PCB	Pb/As/Sb	Work Dupes	Comments
13		E1221B02(2-4)	7-8-11	1130	2	5			X	X	X	X	X		
14		E1221B02(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
15		E1221B02D(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
16		E1221B01(4-6)	7-8-11	1225	3	5			X	X	X	X	X		
17		E1221B01(14-16)	7-8-11	1230	2	5			X	X	X	X	X		
18		E1222B01(2-4)	7-8-11	1200	2	5			X	X	X	X	X		
19		E1222B01(4-6)	7-8-11	1305	2	5			X	X	X	X	X		
20		E1222B02(0-2)	7-8-11	1345	3	5			X	X	X	X	X		
21		E1222B02(4-6)	7-8-11	1350	2	5			X	X	X	X	X		
22		E1223B01(2-4)	7-8-11	1410	3	5			X	X	X	X	X		

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOHZA, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days): 2 Days, 5 Days, 7 Days, 10 Days, 15 Days, Other

Requested Due Date: _____

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

Relinquished By: [Signature] Company: RIC Date: 7-8-11 Time: 1940

Relinquished By: [Signature] Company: ATA Date: 7-8-11 Time: 1600

Relinquished By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

Client Comments: _____

Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

206 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96084 Longitude: -87.94302
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96084 Longitude: -87.94302

Uncontaminated Site 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 E1216B01 was sampled within the construction zone adjacent to ISGS #1583V-16: Residence. Refer to PSI Report for ISGS #1583V-16: Residence including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36406.

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

I, Steven Gobelman (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: Illinois Department of Transportation


Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

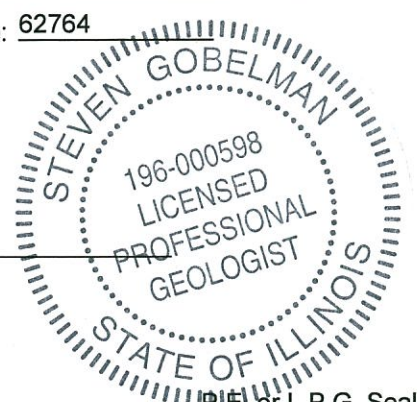
Phone: 217-785-4246

Steven Gobelman

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15
 Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-16 (Residence)	Comparison Criteria			
BORING	E1216B01	MACs			TACO SCGIER
SAMPLE	E1216B01 (2-4)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil				
DEPTH (m)	0.6-1.2				
pH	8.07				
VOCs (None Detected)					
SVOCs (µg/kg)					
Acenaphthene	12 J	570,000	--	--	--
Anthracene	40	12,000,000	--	--	--
Benzo[a]anthracene	260	900	1,800	1,100	--
Benzo[a]pyrene	250 †	90	2,100	1,300	--
Benzo[b]fluoranthene	320	900	2,100	1,500	--
Benzo[g,h,i]perylene	170	2,300,000	--	--	--
Benzo[k]fluoranthene	110	9,000	--	--	--
Butyl benzyl phthalate	170 J	930,000	--	--	--
Chrysene	240	88,000	--	--	--
Di-n-octyl phthalate	130 J	1,600,000	--	--	--
Fluoranthene	400	3,100,000	--	--	--
Fluorene	12 J	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	160	900	1,600	900	--
Phenanthrene	170	210,000	--	--	--
Pyrene	400	2,300,000	--	--	--
PCBs (µg/kg)					
PCB-1260	28	1,000	--	--	--
PCBs, total	28	--	--	--	--
Inorganics (mg/kg)					
Antimony	0.42 J	5	--	--	0.006
Arsenic	11	11.3	13	--	0.05
Barium	66	1,500	--	--	2
Beryllium	0.74	22	--	--	0.004
Cadmium	0.28	5.2	--	--	0.005
Chromium	21	21	--	--	0.1
Copper	31	2,900	--	--	0.65
Lead	81	107	--	--	0.0075
Mercury	0.049	0.89	--	--	0.002
Nickel	30	100	--	--	0.1
Thallium	0.26 J	2.6	--	--	0.002
Zinc	61 B	5,100	--	--	5
TCLP Metals (mg/L)					
Barium	0.40 J	1,500	--	--	2
Lead	0.010 L	107	--	--	0.0075
Nickel	0.010 J	100	--	--	0.1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required. E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required. E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260. E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor. E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1216B01 (2-4)

Lab Sample ID: 500-36406-10

Date Collected: 07/08/11 09:45

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/18/11 22:02	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/18/11 22:02	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/18/11 22:02	20
Chloroform	<0.020		0.020	0.010	mg/L			07/18/11 22:02	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/18/11 22:02	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 22:02	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/18/11 22:02	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/18/11 22:02	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 22:02	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/18/11 22:02	20

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		77 - 124		07/18/11 22:02	20
Toluene-d8 (Surr)	94		80 - 121		07/18/11 22:02	20
4-Bromofluorobenzene (Surr)	89		77 - 112		07/18/11 22:02	20
Dibromofluoromethane	92		78 - 119		07/18/11 22:02	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.1		5.1	0.83	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Vinyl chloride	<5.1		5.1	0.71	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Bromomethane	<5.1		5.1	1.1	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Chloroethane	<5.1		5.1	1.1	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
1,1-Dichloroethene	<5.1		5.1	0.80	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Carbon disulfide	<5.1		5.1	0.72	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Acetone	<5.1 *		5.1	2.5	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
trans-1,2-Dichloroethene	<5.1		5.1	0.72	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Methyl tert-butyl ether	<5.1		5.1	0.76	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
1,1-Dichloroethane	<5.1		5.1	0.80	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
cis-1,2-Dichloroethene	<5.1		5.1	0.74	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Methyl Ethyl Ketone	<5.1		5.1	1.1	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Chloroform	<5.1		5.1	0.93	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
1,1,1-Trichloroethane	<5.1		5.1	0.97	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Carbon tetrachloride	<5.1		5.1	1.1	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Benzene	<5.1		5.1	0.55	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
1,2-Dichloroethane	<5.1		5.1	0.52	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Trichloroethene	<5.1		5.1	0.82	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
1,2-Dichloropropane	<5.1		5.1	1.1	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Bromodichloromethane	<5.1		5.1	0.77	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
cis-1,3-Dichloropropene	<5.1		5.1	0.58	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
methyl isobutyl ketone	<5.1		5.1	0.86	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Toluene	<5.1		5.1	0.98	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
trans-1,3-Dichloropropene	<5.1		5.1	1.1	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
1,1,2-Trichloroethane	<5.1		5.1	0.68	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Tetrachloroethene	<5.1		5.1	0.96	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
2-Hexanone	<5.1		5.1	0.72	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Dibromochloromethane	<5.1		5.1	0.70	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Chlorobenzene	<5.1		5.1	0.80	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Ethylbenzene	<5.1		5.1	0.76	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1216B01 (2-4)

Lab Sample ID: 500-36406-10

Date Collected: 07/08/11 09:45

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 81.3

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<5.1		5.1	0.64	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Bromoform	<5.1		5.1	0.82	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
1,1,1,2-Tetrachloroethane	<5.1		5.1	0.69	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
Xylenes, Total	<10		10	0.71	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1
1,3-Dichloropropene, Total	<5.1		5.1	0.58	ug/Kg	☼	07/08/11 09:45	07/13/11 09:17	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		69 - 120	07/08/11 09:45	07/13/11 09:17	1
Toluene-d8 (Surr)	102		69 - 122	07/08/11 09:45	07/13/11 09:17	1
4-Bromofluorobenzene (Surr)	100		67 - 120	07/08/11 09:45	07/13/11 09:17	1
Dibromofluoromethane	92		69 - 120	07/08/11 09:45	07/13/11 09:17	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	87	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2,4,6-Trichlorophenol	<390		390	84	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2,4-Dichlorophenol	<390		390	49	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2,4-Dimethylphenol	<390		390	130	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2,4-Dinitrophenol	<790		790	290	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2,4-Dinitrotoluene	<200		200	40	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2,6-Dinitrotoluene	<200		200	26	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2-Chloronaphthalene	<200		200	16	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2-Chlorophenol	<200		200	20	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2-Methylnaphthalene	<200		200	15	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2-Methylphenol	<200		200	29	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2-Nitroaniline	<200		200	23	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2-Nitrophenol	<390		390	110	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
3,3'-Dichlorobenzidine	<200		200	29	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
3-Nitroaniline	<390		390	68	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
4,6-Dinitro-2-methylphenol	<390		390	73	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
4-Bromophenyl phenyl ether	<200		200	24	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
4-Chloro-3-methylphenol	<390		390	95	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
4-Chloroaniline	<790		790	120	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
4-Chlorophenyl phenyl ether	<200		200	43	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
4-Nitroaniline	<390		390	67	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
4-Nitrophenol	<790		790	310	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Acenaphthene	12	J	39	8.1	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Acenaphthylene	<39		39	6.1	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Anthracene	40		39	7.1	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Benzo[a]anthracene	260		39	8.4	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Benzo[a]pyrene	250		39	7.5	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Benzo[b]fluoranthene	320		39	8.1	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Benzo[g,h,i]perylene	170		39	9.5	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Benzo[k]fluoranthene	110		39	9.1	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Bis(2-chloroethoxy)methane	<200		200	16	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Bis(2-chloroethyl)ether	<200		200	23	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Bis(2-ethylhexyl) phthalate	<200		200	21	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Butyl benzyl phthalate	170	J	200	33	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Carbazole	<200		200	21	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Chrysene	240		39	12	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1216B01 (2-4)

Lab Sample ID: 500-36406-10

Date Collected: 07/08/11 09:45

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 81.3

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<39		39	9.9	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Dibenzofuran	<200		200	44	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Diethyl phthalate	<200		200	43	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Dimethyl phthalate	<200		200	17	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Di-n-butyl phthalate	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Di-n-octyl phthalate	130	J	200	31	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
1,3-Dichlorobenzene	<200		200	21	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Fluoranthene	400		39	7.3	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Fluorene	12	J	39	7.4	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Hexachlorobenzene	<79		79	7.5	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Hexachlorobutadiene	<200		200	30	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Hexachlorocyclopentadiene	<790		790	390	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Hexachloroethane	<200		200	30	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Indeno[1,2,3-cd]pyrene	160		39	9.9	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Isophorone	<200		200	87	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Naphthalene	<39		39	7.1	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Nitrobenzene	<39		39	9.4	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
1,4-Dichlorobenzene	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
2,2'-oxybis[1-chloropropane]	<200		200	42	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
N-Nitrosodi-n-propylamine	<200		200	27	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
N-Nitrosodiphenylamine	<200		200	21	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Pentachlorophenol	<790		790	130	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Phenanthrene	170		39	7.7	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Phenol	<200		200	41	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
Pyrene	400		39	13	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
1,2-Dichlorobenzene	<200		200	21	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
1,2,4-Trichlorobenzene	<200		200	24	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1
3 & 4 Methylphenol	<200		200	39	ug/Kg	☼	07/18/11 16:33	07/19/11 14:25	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	79		27 - 113	07/18/11 16:33	07/19/11 14:25	1
2-Fluorophenol	75		30 - 110	07/18/11 16:33	07/19/11 14:25	1
Nitrobenzene-d5	68		22 - 110	07/18/11 16:33	07/19/11 14:25	1
Phenol-d5	79		26 - 112	07/18/11 16:33	07/19/11 14:25	1
2,4,6-Tribromophenol	118		30 - 137	07/18/11 16:33	07/19/11 14:25	1
Terphenyl-d14	93		33 - 129	07/18/11 16:33	07/19/11 14:25	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:45	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:45	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:45	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:45	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:45	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:45	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:45	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 18:45	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 18:45	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 18:45	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:45	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1216B01 (2-4)

Lab Sample ID: 500-36406-10

Date Collected: 07/08/11 09:45

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8270C - TCLP Semivolatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:45	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	44		20 - 100				07/18/11 01:50	07/18/11 18:45	1
Phenol-d5	28		20 - 100				07/18/11 01:50	07/18/11 18:45	1
Nitrobenzene-d5	75		39 - 110				07/18/11 01:50	07/18/11 18:45	1
2-Fluorobiphenyl	77		44 - 110				07/18/11 01:50	07/18/11 18:45	1
2,4,6-Tribromophenol	94		46 - 126				07/18/11 01:50	07/18/11 18:45	1
Terphenyl-d14	95		52 - 131				07/18/11 01:50	07/18/11 18:45	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 17:35	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:35	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:35	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:35	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:35	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 17:35	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 17:35	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		36 - 126				07/15/11 11:55	07/18/11 17:35	1
Tetrachloro-m-xylene	86		42 - 120				07/15/11 11:55	07/18/11 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:35	1
PCB-1221	<19		19	7.3	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:35	1
PCB-1232	<19		19	6.7	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:35	1
PCB-1242	<19		19	5.9	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:35	1
PCB-1248	<19		19	6.6	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:35	1
PCB-1254	<19		19	6.0	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:35	1
PCB-1260	28		19	6.2	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:35	1
Polychlorinated biphenyls, Total	28		19	4.6	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:35	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		28 - 124				07/12/11 19:17	07/14/11 15:35	1
DCB Decachlorobiphenyl	92		38 - 130				07/12/11 19:17	07/14/11 15:35	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 09:36	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 09:36	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	74		30 - 110				07/15/11 11:13	07/18/11 09:36	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/16/11 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/15/11 10:30	07/16/11 00:17	1
Barium	0.40	J	0.50	0.010	mg/L		07/15/11 10:30	07/16/11 00:17	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1216B01 (2-4)

Lab Sample ID: 500-36406-10

Date Collected: 07/08/11 09:45

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 6010B - PPL+Ba Metals - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/16/11 00:17	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/16/11 00:17	1
Copper	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/16/11 00:17	1
Lead	0.010		0.0075	0.0050	mg/L		07/15/11 10:30	07/16/11 00:17	1
Nickel	0.010	J	0.025	0.010	mg/L		07/15/11 10:30	07/16/11 00:17	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/16/11 00:17	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/16/11 00:17	1
Zinc	<0.10		0.10	0.020	mg/L		07/15/11 10:30	07/16/11 00:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.42	J	1.2	0.13	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Arsenic	11		0.58	0.081	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Beryllium	0.74		0.23	0.012	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Cadmium	0.28		0.12	0.016	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Chromium	21		0.58	0.049	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Copper	31		0.58	0.081	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Lead	81		0.29	0.14	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Nickel	30		0.58	0.038	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Selenium	<0.58		0.58	0.16	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Silver	<0.29		0.29	0.037	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Thallium	0.26	J	0.58	0.20	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Zinc	61	B	1.2	0.093	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1
Barium	66		0.58	0.032	mg/Kg	*	07/11/11 16:40	07/14/11 07:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/15/11 10:30	07/19/11 13:03	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/15/11 10:30	07/19/11 13:03	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:44	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.018	0.0019	mg/Kg	*	07/14/11 08:50	07/14/11 12:09	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/18/11 10:32	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<48		48	5.6	mg/Kg		07/14/11 09:49	07/14/11 12:41	1
Cyanide, Reactive	<0.25		0.25	0.063	mg/Kg		07/12/11 18:00	07/12/11 20:56	1
pH	8.07		0.200	0.200	SU			07/19/11 14:36	1
Paint Filter	pass				mL/100g			07/14/11 15:35	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: **500-36406**
 Chain of Custody Number: **EEG-12-11**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.6)(4.1)(3.8)**

Report To: **Dean Teibert**
 Contact: **P-E**
 Company: **33 W. Main St. Suite 550**
 Address: **14.4.4.4, IL 60603**
 Address: **312.578.9243**
 Phone: **312.578.9243**
 Fax: **312.578.9243**
 E-Mail: **dtteibert@me.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# / Reference# _____

Lab ID	MSMSD	Sample ID	Sampler	Client Project #	Project Name	Project Location/State	Lab Project #	Lab PM	Sampling		Matrix	# of Containers	Preservative	Parameter	Analysis									Comments		
									Date	Time					Total PCBs	Mutals	TCAP/PCRA	Mutals	PH/0.5:1.8	Wash	Disposal	VOC	Archive for		Disposal by Lab	Return to Client
1		E1220B02(4-6)	Dick Wright	3133 VI-12-01	Ecology - Environment	Irving Park Road (IL-19)	S672		7-7-11	1530	2 S				X	X	X	X	X	X	X	X	X	X	X	For Waste
2		E1220B02(6-8)							7-7-11	1535	2 S				X	X	X	X	X	X	X	X	X	X	X	disposal sample
3		E1220B03(0-2)							7-7-11	1555	2 S				X	X	X	X	X	X	X	X	X	X	X	E1220B01(2-4)
4		E1220B03(4-6)							7-7-11	1600	2 S				X	X	X	X	X	X	X	X	X	X	X	minus pH and
5		E1220B01(2-4)							7-7-11	1355	1 S				X	X	X	X	X	X	X	X	X	X	X	Test metals as
6		E1213B01(0-2)							7-8-11	0830	3 S				X	X	X	X	X	X	X	X	X	X	X	parent sample
7		E1218B01(4-6)							7-8-11	0910	3 S				X	X	X	X	X	X	X	X	X	X	X	sent to Lab
8		E1215B01(2-4)							7-8-11	0930	3 S				X	X	X	X	X	X	X	X	X	X	X	on 7-7-11
9		E1219B01(0-2)							7-8-11	1100	3 S				X	X	X	X	X	X	X	X	X	X	X	

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

Requested Due Date: _____

Relinquished By: **JRS** Company: **E.E.** Date: **7-5-11** Time: **1440**

Relinquished By: **JRS** Company: **E.E.** Date: **7-5-11** Time: **1440**

Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: **JRS** Company: **E.E.** Date: **7-5-11** Time: **1440**

Received By: **JRS** Company: **E.E.** Date: **7-5-11** Time: **1440**

Received By: _____ Company: _____ Date: _____ Time: _____

Disposal by Lab: Archive for: Months: _____

Lab Counter: **TA**

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Zebert
 Contract: E-E
 Company: 3D W. Minerals, St. Louis, MO
 Address: Chicago, IL 60603
 Address: 312 578 9213
 Phone: 312 778 9345
 Fax: Atlanta, GA
 E-Mail: atlanta@e-e.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# Reference# _____

Chain of Custody Record
 Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-13
 Page: 1 of 1
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Containers	Preservative	Parameter	VOC	PAH	Total PCB	Trip PCB	Pb/As/Sb	Work Dupes	Comments
13		E1221B02(2-4)	7-8-11	1130	2	5			X	X	X	X	X		
14		E1221B02(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
15		E1221B02D(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
16		E1221B01(4-6)	7-8-11	1225	3	5			X	X	X	X	X		
17		E1221B01(14-16)	7-8-11	1230	2	5			X	X	X	X	X		
18		E1222B01(2-4)	7-8-11	1200	2	5			X	X	X	X	X		
19		E1222B01(4-6)	7-8-11	1305	2	5			X	X	X	X	X		
20		E1222B02(0-2)	7-8-11	1345	3	5			X	X	X	X	X		
21		E1222B02(4-6)	7-8-11	1350	2	5			X	X	X	X	X		
22		E1223B01(2-4)	7-8-11	1410	3	5			X	X	X	X	X		

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

Requested Due Date: _____

Resubmitted By: [Signature] Company: RIC Date: 7-8-11 Time: 1940

Resubmitted By: [Signature] Company: ATA Date: 7-9-11 Time: 1940

Resubmitted By: [Signature] Company: ATA Date: 7-8-11 Time: 1600

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

200-202 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96084 Longitude: -87.94282
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434145482 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96084 Longitude: -87.94282

Uncontaminated Site 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 E1217B01 was sampled within the construction zone adjacent to ISGS #1583V-17: P&J Discount Cigarette Center. Refer to PSI Report for ISGS #1583V-17: P&J Discount Cigarette Center including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36406.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

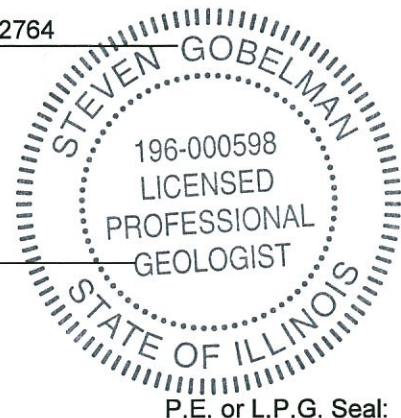
Phone: 217-785-4246

Steven Gobelman

Printed Name:

[Signature]
 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15
 Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-17 (P&J Discount Cigarette Center)		Comparison Criteria			
BORING	E1217B01		MACs			TACO SCGIER
SAMPLE	E1217B01 (2-4)	E1217B01 (4-6)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil	Soil				
DEPTH (m)	0.6-1.2	1.2-1.8				
pH	8.33	8.04				
VOCs (µg/kg)						
Acetone	ND U *	9.0 *	25,000	--	--	--
SVOCs (µg/kg)						
Anthracene	ND U	9.9 J	12,000,000	--	--	--
Benzo[a]anthracene	13 J	24 J	900	1,800	1,100	--
Benzo[a]pyrene	20 J	21 J	90	2,100	1,300	--
Benzo[b]fluoranthene	27 J	32 J	900	2,100	1,500	--
Benzo[g,h,i]perylene	29 J	34 J	2,300,000	--	--	--
Benzo[k]fluoranthene	16 J	14 J	9,000	--	--	--
Bis(2-ethylhexyl) phthalate	ND U	24 J	46,000	--	--	--
Chrysene	20 J	28 J	88,000	--	--	--
Dibenzo(a,h)anthracene	16 J	ND U	90	420	200	--
Di-n-octyl phthalate	57 J	ND U	1,600,000	--	--	--
Fluoranthene	16 J	40	3,100,000	--	--	--
Indeno[1,2,3-cd]pyrene	22 J	19 J	900	1,600	900	--
Phenanthrene	9.2 J	20 J	210,000	--	--	--
Pyrene	23 J	43	2,300,000	--	--	--
Inorganics (mg/kg)						
Antimony	ND U	0.28 J	5	--	--	0.006
Arsenic	3.6	8.3	11.3	13	--	0.05
Barium	15	41	1,500	--	--	2
Beryllium	0.27 J	0.50	22	--	--	0.004
Cadmium	0.075 J	0.29	5.2	--	--	0.005
Chromium	6.6	15	21	--	--	0.1
Copper	9.7	25	2,900	--	--	0.65
Lead	7.8	18	107	--	--	0.0075
Mercury	0.010 J	0.027	0.89	--	--	0.002
Nickel	9.9	27	100	--	--	0.1
Zinc	19 B	43 B	5,100	--	--	5
TCLP Metals (mg/L)						
Barium	0.27 J	0.39 J	1,500	--	--	2
Cadmium	ND U	0.0030 J	5.2	--	--	0.005
Lead	ND U	0.050 L	107	--	--	0.0075
Nickel	0.011 J	0.046	100	--	--	0.1
Zinc	0.026 J	0.12	5,100	--	--	5

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

- 1
- 2
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- 13
- 14

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1217B01 (2-4)

Lab Sample ID: 500-36406-11

Date Collected: 07/08/11 10:20

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.3		4.3	0.71	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Vinyl chloride	<4.3		4.3	0.60	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Bromomethane	<4.3		4.3	0.92	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Chloroethane	<4.3		4.3	0.91	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
1,1-Dichloroethene	<4.3		4.3	0.68	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Carbon disulfide	<4.3		4.3	0.61	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Acetone	<4.3	*	4.3	2.1	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Methylene Chloride	<4.3		4.3	1.2	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
trans-1,2-Dichloroethene	<4.3		4.3	0.61	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Methyl tert-butyl ether	<4.3		4.3	0.65	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
1,1-Dichloroethane	<4.3		4.3	0.68	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
cis-1,2-Dichloroethene	<4.3		4.3	0.63	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Methyl Ethyl Ketone	<4.3		4.3	0.93	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Chloroform	<4.3		4.3	0.79	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
1,1,1-Trichloroethane	<4.3		4.3	0.83	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Carbon tetrachloride	<4.3		4.3	0.94	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Benzene	<4.3		4.3	0.47	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
1,2-Dichloroethane	<4.3		4.3	0.44	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Trichloroethene	<4.3		4.3	0.70	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
1,2-Dichloropropane	<4.3		4.3	0.98	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Bromodichloromethane	<4.3		4.3	0.66	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
cis-1,3-Dichloropropene	<4.3		4.3	0.49	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
methyl isobutyl ketone	<4.3		4.3	0.73	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Toluene	<4.3		4.3	0.84	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
trans-1,3-Dichloropropene	<4.3		4.3	0.98	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
1,1,2-Trichloroethane	<4.3		4.3	0.58	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Tetrachloroethene	<4.3		4.3	0.82	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
2-Hexanone	<4.3		4.3	0.61	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Dibromochloromethane	<4.3		4.3	0.60	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Chlorobenzene	<4.3		4.3	0.68	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Ethylbenzene	<4.3		4.3	0.65	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Styrene	<4.3		4.3	0.54	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Bromoform	<4.3		4.3	0.70	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
1,1,2,2-Tetrachloroethane	<4.3		4.3	0.59	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
Xylenes, Total	<8.6		8.6	0.60	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1
1,3-Dichloropropene, Total	<4.3		4.3	0.49	ug/Kg	☼	07/08/11 10:20	07/13/11 09:43	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		69 - 120	07/08/11 10:20	07/13/11 09:43	1
Toluene-d8 (Surr)	100		69 - 122	07/08/11 10:20	07/13/11 09:43	1
4-Bromofluorobenzene (Surr)	100		67 - 120	07/08/11 10:20	07/13/11 09:43	1
Dibromofluoromethane	89		69 - 120	07/08/11 10:20	07/13/11 09:43	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	81	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
2,4,6-Trichlorophenol	<360		360	78	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
2,4-Dichlorophenol	<360		360	46	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
2,4-Dimethylphenol	<360		360	120	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
2,4-Dinitrophenol	<730		730	270	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1217B01 (2-4)

Lab Sample ID: 500-36406-11

Date Collected: 07/08/11 10:20

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 86.4

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<180		180	37	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
2,6-Dinitrotoluene	<180		180	24	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
2-Chloronaphthalene	<180		180	15	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
2-Chlorophenol	<180		180	19	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
2-Methylnaphthalene	<180		180	14	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
2-Methylphenol	<180		180	27	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
2-Nitroaniline	<180		180	21	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
2-Nitrophenol	<360		360	110	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
3,3'-Dichlorobenzidine	<180		180	27	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
3-Nitroaniline	<360		360	63	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
4,6-Dinitro-2-methylphenol	<360		360	69	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
4-Bromophenyl phenyl ether	<180		180	22	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
4-Chloro-3-methylphenol	<360		360	89	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
4-Chloroaniline	<730		730	110	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
4-Chlorophenyl phenyl ether	<180		180	40	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
4-Nitroaniline	<360		360	62	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
4-Nitrophenol	<730		730	290	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Acenaphthene	<36		36	7.6	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Acenaphthylene	<36		36	5.6	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Anthracene	<36		36	6.6	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Benzo[a]anthracene	13	J	36	7.8	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Benzo[a]pyrene	20	J	36	7.0	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Benzo[b]fluoranthene	27	J	36	7.5	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Benzo[g,h,i]perylene	29	J	36	8.9	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Benzo[k]fluoranthene	16	J	36	8.5	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Bis(2-chloroethoxy)methane	<180		180	15	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Bis(2-chloroethyl)ether	<180		180	21	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Bis(2-ethylhexyl) phthalate	<180		180	20	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Butyl benzyl phthalate	<180		180	30	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Carbazole	<180		180	20	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Chrysene	20	J	36	12	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Dibenz(a,h)anthracene	16	J	36	9.2	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Dibenzofuran	<180		180	41	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Diethyl phthalate	<180		180	40	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Dimethyl phthalate	<180		180	16	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Di-n-butyl phthalate	<180		180	20	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Di-n-octyl phthalate	57	J	180	29	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
1,3-Dichlorobenzene	<180		180	20	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Fluoranthene	16	J	36	6.8	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Fluorene	<36		36	6.9	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Hexachlorobenzene	<73		73	7.0	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Hexachlorobutadiene	<180		180	28	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Hexachlorocyclopentadiene	<730		730	360	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Hexachloroethane	<180		180	28	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Indeno[1,2,3-cd]pyrene	22	J	36	9.3	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Isophorone	<180		180	81	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Naphthalene	<36		36	6.6	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
Nitrobenzene	<36		36	8.8	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
1,4-Dichlorobenzene	<180		180	20	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1
2,2'-oxybis[1-chloropropane]	<180		180	39	ug/Kg	*	07/18/11 16:33	07/19/11 14:48	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1217B01 (2-4)

Lab Sample ID: 500-36406-11

Date Collected: 07/08/11 10:20

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 86.4

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<180		180	25	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
N-Nitrosodiphenylamine	<180		180	20	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
Pentachlorophenol	<730		730	120	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
Phenanthrene	9.2	J	36	7.1	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
Phenol	<180		180	38	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
Pyrene	23	J	36	12	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
1,2-Dichlorobenzene	<180		180	20	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
1,2,4-Trichlorobenzene	<180		180	22	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1
3 & 4 Methylphenol	<180		180	36	ug/Kg	☼	07/18/11 16:33	07/19/11 14:48	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		27 - 113	07/18/11 16:33	07/19/11 14:48	1
2-Fluorophenol	71		30 - 110	07/18/11 16:33	07/19/11 14:48	1
Nitrobenzene-d5	62		22 - 110	07/18/11 16:33	07/19/11 14:48	1
Phenol-d5	69		26 - 112	07/18/11 16:33	07/19/11 14:48	1
2,4,6-Tribromophenol	93		30 - 137	07/18/11 16:33	07/19/11 14:48	1
Terphenyl-d14	81		33 - 129	07/18/11 16:33	07/19/11 14:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<18		18	4.4	ug/Kg	☼	07/12/11 19:17	07/14/11 15:49	1
PCB-1221	<18		18	6.9	ug/Kg	☼	07/12/11 19:17	07/14/11 15:49	1
PCB-1232	<18		18	6.3	ug/Kg	☼	07/12/11 19:17	07/14/11 15:49	1
PCB-1242	<18		18	5.6	ug/Kg	☼	07/12/11 19:17	07/14/11 15:49	1
PCB-1248	<18		18	6.2	ug/Kg	☼	07/12/11 19:17	07/14/11 15:49	1
PCB-1254	<18		18	5.7	ug/Kg	☼	07/12/11 19:17	07/14/11 15:49	1
PCB-1260	<18		18	5.9	ug/Kg	☼	07/12/11 19:17	07/14/11 15:49	1
Polychlorinated biphenyls, Total	<18		18	4.4	ug/Kg	☼	07/12/11 19:17	07/14/11 15:49	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		28 - 124	07/12/11 19:17	07/14/11 15:49	1
DCB Decachlorobiphenyl	91		38 - 130	07/12/11 19:17	07/14/11 15:49	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/16/11 00:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/15/11 10:30	07/16/11 00:24	1
Barium	0.27	J	0.50	0.010	mg/L		07/15/11 10:30	07/16/11 00:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/16/11 00:24	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/16/11 00:24	1
Copper	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/16/11 00:24	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/16/11 00:24	1
Nickel	0.011	J	0.025	0.010	mg/L		07/15/11 10:30	07/16/11 00:24	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/16/11 00:24	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/16/11 00:24	1
Zinc	0.026	J	0.10	0.020	mg/L		07/15/11 10:30	07/16/11 00:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.4		5.4	0.62	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Arsenic	3.6		2.7	0.38	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1217B01 (2-4)

Lab Sample ID: 500-36406-11

Date Collected: 07/08/11 10:20

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 86.4

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	J	1.1	0.054	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Cadmium	0.075	J	0.54	0.072	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Chromium	6.6		2.7	0.23	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Copper	9.7		2.7	0.38	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Lead	7.8		1.3	0.64	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Nickel	9.9		2.7	0.18	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Selenium	<2.7		2.7	0.75	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Silver	<1.3		1.3	0.17	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Thallium	<2.7		2.7	0.91	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Zinc	19	B	5.4	0.43	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5
Barium	15		2.7	0.15	mg/Kg	☼	07/11/11 16:40	07/14/11 12:15	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/15/11 10:30	07/19/11 13:04	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/15/11 10:30	07/19/11 13:04	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:46	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.017	0.0017	mg/Kg	☼	07/14/11 08:50	07/14/11 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.33		0.200	0.200	SU			07/19/11 14:39	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1217B01 (4-6)

Lab Sample ID: 500-36406-12

Date Collected: 07/08/11 10:25

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/18/11 22:24	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/18/11 22:24	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/18/11 22:24	20
Chloroform	<0.020		0.020	0.010	mg/L			07/18/11 22:24	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/18/11 22:24	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 22:24	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/18/11 22:24	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/18/11 22:24	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 22:24	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/18/11 22:24	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 124					07/18/11 22:24	20
Toluene-d8 (Surr)	102		80 - 121					07/18/11 22:24	20
4-Bromofluorobenzene (Surr)	100		77 - 112					07/18/11 22:24	20
Dibromofluoromethane	99		78 - 119					07/18/11 22:24	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.3		4.3	0.70	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Vinyl chloride	<4.3		4.3	0.60	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Bromomethane	<4.3		4.3	0.91	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Chloroethane	<4.3		4.3	0.90	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
1,1-Dichloroethene	<4.3		4.3	0.67	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Carbon disulfide	<4.3		4.3	0.61	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Acetone	9.0 *		4.3	2.1	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Methylene Chloride	<4.3		4.3	1.2	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
trans-1,2-Dichloroethene	<4.3		4.3	0.61	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Methyl tert-butyl ether	<4.3		4.3	0.64	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
1,1-Dichloroethane	<4.3		4.3	0.67	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
cis-1,2-Dichloroethene	<4.3		4.3	0.62	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Methyl Ethyl Ketone	<4.3		4.3	0.92	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Chloroform	<4.3		4.3	0.79	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
1,1,1-Trichloroethane	<4.3		4.3	0.82	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Carbon tetrachloride	<4.3		4.3	0.93	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Benzene	<4.3		4.3	0.46	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
1,2-Dichloroethane	<4.3		4.3	0.44	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Trichloroethene	<4.3		4.3	0.69	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
1,2-Dichloropropane	<4.3		4.3	0.96	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Bromodichloromethane	<4.3		4.3	0.65	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
cis-1,3-Dichloropropene	<4.3		4.3	0.49	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
methyl isobutyl ketone	<4.3		4.3	0.73	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Toluene	<4.3		4.3	0.83	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
trans-1,3-Dichloropropene	<4.3		4.3	0.96	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
1,1,2-Trichloroethane	<4.3		4.3	0.57	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Tetrachloroethene	<4.3		4.3	0.81	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
2-Hexanone	<4.3		4.3	0.61	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Dibromochloromethane	<4.3		4.3	0.59	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Chlorobenzene	<4.3		4.3	0.67	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Ethylbenzene	<4.3		4.3	0.64	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1217B01 (4-6)

Lab Sample ID: 500-36406-12

Date Collected: 07/08/11 10:25

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 83.6

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.3		4.3	0.54	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Bromoform	<4.3		4.3	0.69	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
1,1,2,2-Tetrachloroethane	<4.3		4.3	0.58	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
Xylenes, Total	<8.5		8.5	0.60	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1
1,3-Dichloropropene, Total	<4.3		4.3	0.49	ug/Kg	☼	07/08/11 10:25	07/13/11 10:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		69 - 120	07/08/11 10:25	07/13/11 10:09	1
Toluene-d8 (Surr)	97		69 - 122	07/08/11 10:25	07/13/11 10:09	1
4-Bromofluorobenzene (Surr)	91		67 - 120	07/08/11 10:25	07/13/11 10:09	1
Dibromofluoromethane	92		69 - 120	07/08/11 10:25	07/13/11 10:09	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2,4,6-Trichlorophenol	<380		380	83	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2,4-Dichlorophenol	<380		380	49	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2,4-Dinitrophenol	<780		780	280	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2,4-Dinitrotoluene	<190		190	40	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2,6-Dinitrotoluene	<190		190	26	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2-Chloronaphthalene	<190		190	15	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2-Chlorophenol	<190		190	20	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2-Methylnaphthalene	<190		190	15	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2-Methylphenol	<190		190	29	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2-Nitroaniline	<190		190	23	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2-Nitrophenol	<380		380	110	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
3-Nitroaniline	<380		380	67	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
4,6-Dinitro-2-methylphenol	<380		380	73	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
4-Bromophenyl phenyl ether	<190		190	24	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
4-Chloro-3-methylphenol	<380		380	94	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
4-Chloroaniline	<780		780	120	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
4-Nitroaniline	<380		380	66	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
4-Nitrophenol	<780		780	310	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Acenaphthene	<38		38	8.1	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Acenaphthylene	<38		38	6.0	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Anthracene	9.9	J	38	7.0	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Benzo[a]anthracene	24	J	38	8.3	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Benzo[a]pyrene	21	J	38	7.4	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Benzo[b]fluoranthene	32	J	38	8.0	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Benzo[g,h,i]perylene	34	J	38	9.4	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Benzo[k]fluoranthene	14	J	38	9.0	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Bis(2-chloroethoxy)methane	<190		190	16	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Bis(2-ethylhexyl) phthalate	24	J	190	21	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Carbazole	<190		190	21	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Chrysene	28	J	38	12	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1217B01 (4-6)

Lab Sample ID: 500-36406-12

Date Collected: 07/08/11 10:25

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 83.6

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<38		38	9.8	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Dibenzofuran	<190		190	44	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Diethyl phthalate	<190		190	42	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Dimethyl phthalate	<190		190	17	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Di-n-octyl phthalate	<190		190	31	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Fluoranthene	40		38	7.2	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Fluorene	<38		38	7.4	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Hexachlorobenzene	<78		78	7.4	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Hexachlorobutadiene	<190		190	30	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Hexachlorocyclopentadiene	<780		780	380	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Hexachloroethane	<190		190	29	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Indeno[1,2,3-cd]pyrene	19 J		38	9.8	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Isophorone	<190		190	86	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Naphthalene	<38		38	7.0	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Nitrobenzene	<38		38	9.3	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
1,4-Dichlorobenzene	<190		190	22	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
2,2'-oxybis[1-chloropropane]	<190		190	42	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
N-Nitrosodi-n-propylamine	<190		190	27	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Pentachlorophenol	<780		780	130	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Phenanthrene	20 J		38	7.6	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Phenol	<190		190	40	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
Pyrene	43		38	13	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
1,2,4-Trichlorobenzene	<190		190	24	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1
3 & 4 Methylphenol	<190		190	39	ug/Kg	☼	07/18/11 16:33	07/19/11 15:10	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	80		27 - 113	07/18/11 16:33	07/19/11 15:10	1
2-Fluorophenol	88		30 - 110	07/18/11 16:33	07/19/11 15:10	1
Nitrobenzene-d5	85		22 - 110	07/18/11 16:33	07/19/11 15:10	1
Phenol-d5	93		26 - 112	07/18/11 16:33	07/19/11 15:10	1
2,4,6-Tribromophenol	125		30 - 137	07/18/11 16:33	07/19/11 15:10	1
Terphenyl-d14	90		33 - 129	07/18/11 16:33	07/19/11 15:10	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:08	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:08	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:08	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:08	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:08	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:08	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:08	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 19:08	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 19:08	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 19:08	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:08	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1217B01 (4-6)

Lab Sample ID: 500-36406-12

Date Collected: 07/08/11 10:25

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8270C - TCLP Semivolatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:08	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	44		20 - 100				07/18/11 01:50	07/18/11 19:08	1
Phenol-d5	29		20 - 100				07/18/11 01:50	07/18/11 19:08	1
Nitrobenzene-d5	78		39 - 110				07/18/11 01:50	07/18/11 19:08	1
2-Fluorobiphenyl	82		44 - 110				07/18/11 01:50	07/18/11 19:08	1
2,4,6-Tribromophenol	97		46 - 126				07/18/11 01:50	07/18/11 19:08	1
Terphenyl-d14	94		52 - 131				07/18/11 01:50	07/18/11 19:08	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 17:55	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:55	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:55	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:55	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:55	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 17:55	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 17:55	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		36 - 126				07/15/11 11:55	07/18/11 17:55	1
Tetrachloro-m-xylene	84		42 - 120				07/15/11 11:55	07/18/11 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	07/12/11 19:17	07/14/11 16:02	1
PCB-1221	<19		19	7.3	ug/Kg	☼	07/12/11 19:17	07/14/11 16:02	1
PCB-1232	<19		19	6.7	ug/Kg	☼	07/12/11 19:17	07/14/11 16:02	1
PCB-1242	<19		19	5.9	ug/Kg	☼	07/12/11 19:17	07/14/11 16:02	1
PCB-1248	<19		19	6.6	ug/Kg	☼	07/12/11 19:17	07/14/11 16:02	1
PCB-1254	<19		19	6.0	ug/Kg	☼	07/12/11 19:17	07/14/11 16:02	1
PCB-1260	<19		19	6.3	ug/Kg	☼	07/12/11 19:17	07/14/11 16:02	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	☼	07/12/11 19:17	07/14/11 16:02	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	67		28 - 124				07/12/11 19:17	07/14/11 16:02	1
DCB Decachlorobiphenyl	93		38 - 130				07/12/11 19:17	07/14/11 16:02	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 09:58	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 09:58	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	75		30 - 110				07/15/11 11:13	07/18/11 09:58	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 21:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/15/11 10:30	07/15/11 21:25	1
Barium	0.39	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 21:25	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1217B01 (4-6)

Lab Sample ID: 500-36406-12

Date Collected: 07/08/11 10:25

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 6010B - PPL+Ba Metals - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0030	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 21:25	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 21:25	1
Copper	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 21:25	1
Lead	0.050		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 21:25	1
Nickel	0.046		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 21:25	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 21:25	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 21:25	1
Zinc	0.12		0.10	0.020	mg/L		07/15/11 10:30	07/15/11 21:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28	J	1.1	0.13	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Arsenic	8.3		0.56	0.078	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Beryllium	0.50		0.22	0.011	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Cadmium	0.29		0.11	0.015	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Chromium	15		0.56	0.048	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Copper	25		0.56	0.078	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Lead	18		0.28	0.13	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Nickel	27		0.56	0.037	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Thallium	<0.56		0.56	0.19	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Zinc	43	B	1.1	0.090	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1
Barium	41		0.56	0.031	mg/Kg	☼	07/11/11 16:40	07/14/11 07:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/15/11 10:30	07/19/11 13:11	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/15/11 10:30	07/19/11 13:11	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:53	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.019	0.0020	mg/Kg	☼	07/14/11 08:50	07/14/11 12:17	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/14/11 15:08	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<49		49	5.6	mg/Kg		07/14/11 09:53	07/14/11 12:41	1
Cyanide, Reactive	<0.26		0.26	0.064	mg/Kg		07/12/11 18:00	07/12/11 20:57	1
pH	8.04		0.200	0.200	SU			07/19/11 14:42	1
Paint Filter	pass				mL/100g			07/14/11 15:55	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: **500-36406**
 Chain of Custody Number: **EEG-12-11**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.6)(4.1)(3.8)**

Report To: **Dean Teibert**
 Contact: **P-E**
 Company: **33 W. Main St. Suite 550**
 Address: **14.4.4.4, IL 60603**
 Address: **312.578.9243**
 Phone: **312.578.9243**
 Fax: **312.578.9243**
 E-Mail: **dtteibert@me.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Lab ID	MSMSD	Sample ID	Sampler	Client Project #	Project Name	Project Location/State	Lab Project #	Lab PM	Sampling		Matrix	Preservative	Parameter	Total PCBs	Metals	PCB/PAHs	PH/0.5-1.8	Wash	VOC	Comments
									Date	Time										
1		E1220B02(4-6)	Deck Wright	3133 VI-12-01	Ecology - Environment	Irving Park Road (IL-19)	5672		7-7-11	1530	2 S	HCL	RAH	X	X	X	X	X	X	For Waste
2		E1220B02(6-8)							7-7-11	1535	2 S	H2SO4	X	X	X	X	X	X	X	disposal sample
3		E1220B03(0-2)							7-7-11	1555	2 S	H2SO4	X	X	X	X	X	X	X	E1220B01(2-4)
4		E1220B03(4-6)							7-7-11	1600	2 S	H2SO4	X	X	X	X	X	X	X	minus pH and
5		E1220B01(2-4)							7-7-11	1355	1 S	H2SO4	X	X	X	X	X	X	X	Test metals as
6		E1213B01(0-2)							7-8-11	0830	3 S	H2SO4	X	X	X	X	X	X	X	parent sample
7		E1218B01(4-6)							7-8-11	0910	3 S	H2SO4	X	X	X	X	X	X	X	sent to Lab
8		E1215B01(2-4)							7-8-11	0930	3 S	H2SO4	X	X	X	X	X	X	X	on 7-7-11
9		E1219B01(0-2)							7-8-11	1100	3 S	H2SO4	X	X	X	X	X	X	X	

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

Requested Due Date _____

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

Relinquished By: **JRS** Company: **E.E.** Date: **7-5-11** Time: **1440**
 Relinquished By: **JRS** Company: **E.E.** Date: **7-5-11** Time: **1440**
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: **JRS** Company: **E.E.** Date: **7-5-11** Time: **1440**
 Received By: **JRS** Company: **E.E.** Date: **7-5-11** Time: **1440**
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: **TA**
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Zebert
 Contract: E-E
 Company: 3D W. Minerals, St. Louis, MO
 Address: Chicago, IL 60603
 Address: 312 578 9213
 Phone: 312 778 9345
 Fax: Atlanta, GA 30308
 E-Mail: atlanta@3dminerals.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# Reference# _____

Chain of Custody Record
 Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-13
 Page: 1 of 1
 Temperature: 0 C of Cooler.

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Containers	Preservative	Parameter	VOC	PAH	Total PCB	Trip PCB	Pb/As/Sb	Work Dupes	Comments
13	E1221B02(2-4)	7-8-11	1130	2	5	X	X	X	X	X	X	X	X		
14	E1221B02(4-6)	7-8-11	1135	2	5	X	X	X	X	X	X	X	X		
15	E1221B02D(4-6)	7-8-11	1135	2	5	X	X	X	X	X	X	X	X		
16	E1221B01(4-6)	7-8-11	1225	3	5	X	X	X	X	X	X	X	X		
17	E1221B01(14-16)	7-8-11	1230	2	5	X	X	X	X	X	X	X	X		
18	E1222B01(2-4)	7-8-11	1200	2	5	X	X	X	X	X	X	X	X		
19	E1222B01(4-6)	7-8-11	1305	2	5	X	X	X	X	X	X	X	X		
20	E1222B02(0-2)	7-8-11	1345	3	5	X	X	X	X	X	X	X	X		
21	E1222B02(4-6)	7-8-11	1350	2	5	X	X	X	X	X	X	X	X		
22	E1223B01(2-4)	7-8-11	1410	3	5	X	X	X	X	X	X	X	X		

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

Requested Due Date: _____

Resubmitted By: [Signature] Company: RIC Date: 7-8-11 Time: 1940

Resubmitted By: [Signature] Company: AW Date: 7-8-11 Time: 1600

Resubmitted By: _____ Company: _____ Date: _____ Time: _____

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

Disposal by Client: Return to Client: Sample Disposal:

Received By: [Signature] Company: AW Date: 7-8-11 Time: 1940

Received By: [Signature] Company: AW Date: 7-8-11 Time: 1600

Received By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

Matrix Key:
 SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other

WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
111-123 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96108 Longitude: -87.94247
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96108 Longitude: -87.94247

Uncontaminated Site 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 E1218B01 was sampled within the construction zone adjacent to ISGS #1583V-18: Commercial Buildings. Refer to PSI Report for ISGS #1583V-18: Commercial Buildings including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36406.

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

I, Steven Gobelman (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: Illinois Department of Transportation


Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

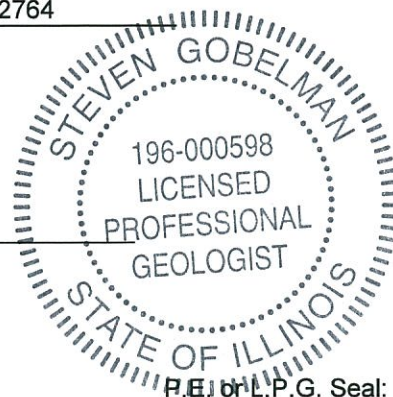
Phone: 217-785-4246

Steven Gobelman

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15
 Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-18 (Commercial Buildings)	Comparison Criteria			
BORING	E1218B01	MACs			TACO SCGIER
SAMPLE	E1218B01 (4-6)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil				
DEPTH (m)	1.2-1.8				
pH	7.72				
VOCs (None Detected)					
SVOCs (None Detected)					
PCBs (µg/kg)					
PCB-1260	24	1,000	--	--	--
PCBs, total	24	--	--	--	--
Inorganics (mg/kg)					
Arsenic	2.0	11.3	13	--	0.05
Barium	110	1,500	--	--	2
Cadmium	0.38	5.2	--	--	0.005
Chromium	20	21	--	--	0.1
Lead	26	107	--	--	0.0075
Mercury	0.043	0.89	--	--	0.002
TCLP Metals (mg/L)					
Barium	0.17 J	1,500	--	--	2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com



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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1218B01 (4-6)

Lab Sample ID: 500-36406-7

Date Collected: 07/08/11 09:10

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/18/11 20:56	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/18/11 20:56	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/18/11 20:56	20
Chloroform	<0.020		0.020	0.010	mg/L			07/18/11 20:56	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/18/11 20:56	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 20:56	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/18/11 20:56	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/18/11 20:56	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 20:56	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/18/11 20:56	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 124					07/18/11 20:56	20
Toluene-d8 (Surr)	101		80 - 121					07/18/11 20:56	20
4-Bromofluorobenzene (Surr)	102		77 - 112					07/18/11 20:56	20
Dibromofluoromethane	98		78 - 119					07/18/11 20:56	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.6		5.6	0.60	ug/Kg	*	07/08/11 09:10	07/12/11 17:40	1
Toluene	<5.6		5.6	1.1	ug/Kg	*	07/08/11 09:10	07/12/11 17:40	1
Ethylbenzene	<5.6		5.6	0.84	ug/Kg	*	07/08/11 09:10	07/12/11 17:40	1
Xylenes, Total	<11		11	0.78	ug/Kg	*	07/08/11 09:10	07/12/11 17:40	1
Methyl tert-butyl ether	<5.6		5.6	0.84	ug/Kg	*	07/08/11 09:10	07/12/11 17:40	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		69 - 120				07/08/11 09:10	07/12/11 17:40	1
Toluene-d8 (Surr)	93		69 - 122				07/08/11 09:10	07/12/11 17:40	1
4-Bromofluorobenzene (Surr)	94		67 - 120				07/08/11 09:10	07/12/11 17:40	1
Dibromofluoromethane	84		69 - 120				07/08/11 09:10	07/12/11 17:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<41		41	7.5	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Acenaphthylene	<41		41	6.4	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Acenaphthene	<41		41	8.7	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Fluorene	<41		41	7.9	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Phenanthrene	<41		41	8.1	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Anthracene	<41		41	7.6	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Fluoranthene	<41		41	7.7	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Pyrene	<41		41	14	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Benzo[a]anthracene	<41		41	8.9	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Chrysene	<41		41	13	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Benzo[b]fluoranthene	<41		41	8.6	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Benzo[k]fluoranthene	<41		41	9.7	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Benzo[a]pyrene	<41		41	8.0	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Dibenz(a,h)anthracene	<41		41	10	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1
Benzo[g,h,i]perylene	<41		41	10	ug/Kg	*	07/13/11 16:27	07/14/11 22:06	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1218B01 (4-6)

Lab Sample ID: 500-36406-7

Date Collected: 07/08/11 09:10

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 77.7

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		22 - 110	07/13/11 16:27	07/14/11 22:06	1
2-Fluorobiphenyl	88		27 - 113	07/13/11 16:27	07/14/11 22:06	1
Terphenyl-d14	91		33 - 129	07/13/11 16:27	07/14/11 22:06	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 17:38	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 17:38	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 17:38	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 17:38	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 17:38	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 17:38	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 17:38	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 17:38	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 17:38	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 17:38	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 17:38	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 17:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	42		20 - 100	07/18/11 01:50	07/18/11 17:38	1
Phenol-d5	27		20 - 100	07/18/11 01:50	07/18/11 17:38	1
Nitrobenzene-d5	72		39 - 110	07/18/11 01:50	07/18/11 17:38	1
2-Fluorobiphenyl	72		44 - 110	07/18/11 01:50	07/18/11 17:38	1
2,4,6-Tribromophenol	93		46 - 126	07/18/11 01:50	07/18/11 17:38	1
Terphenyl-d14	92		52 - 131	07/18/11 01:50	07/18/11 17:38	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 16:36	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 16:36	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 16:36	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 16:36	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 16:36	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 16:36	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 16:36	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		36 - 126	07/15/11 11:55	07/18/11 16:36	1
Tetrachloro-m-xylene	83		42 - 120	07/15/11 11:55	07/18/11 16:36	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<21		21	5.1	ug/Kg	⚠	07/12/11 19:17	07/14/11 14:54	1
PCB-1221	<21		21	8.0	ug/Kg	⚠	07/12/11 19:17	07/14/11 14:54	1
PCB-1232	<21		21	7.3	ug/Kg	⚠	07/12/11 19:17	07/14/11 14:54	1
PCB-1242	<21		21	6.5	ug/Kg	⚠	07/12/11 19:17	07/14/11 14:54	1
PCB-1248	<21		21	7.2	ug/Kg	⚠	07/12/11 19:17	07/14/11 14:54	1
PCB-1254	<21		21	6.6	ug/Kg	⚠	07/12/11 19:17	07/14/11 14:54	1
PCB-1260	24		21	6.8	ug/Kg	⚠	07/12/11 19:17	07/14/11 14:54	1
Polychlorinated biphenyls, Total	24		21	5.1	ug/Kg	⚠	07/12/11 19:17	07/14/11 14:54	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1218B01 (4-6)

Lab Sample ID: 500-36406-7

Date Collected: 07/08/11 09:10

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 77.7

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		28 - 124	07/12/11 19:17	07/14/11 14:54	1
DCB Decachlorobiphenyl	98		38 - 130	07/12/11 19:17	07/14/11 14:54	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 08:10	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 08:10	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	74		30 - 110	07/15/11 11:13	07/18/11 08:10	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.59	0.082	mg/Kg	☼	07/11/11 16:40	07/14/11 06:07	1
Barium	110		0.59	0.033	mg/Kg	☼	07/11/11 16:40	07/14/11 06:07	1
Cadmium	0.38		0.12	0.016	mg/Kg	☼	07/11/11 16:40	07/14/11 06:07	1
Chromium	20		0.59	0.050	mg/Kg	☼	07/11/11 16:40	07/14/11 06:07	1
Lead	26		0.29	0.14	mg/Kg	☼	07/11/11 16:40	07/14/11 06:07	1
Selenium	<0.59		0.59	0.16	mg/Kg	☼	07/11/11 16:40	07/14/11 06:07	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	07/11/11 16:40	07/14/11 06:07	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		07/15/11 10:30	07/15/11 23:59	1
Barium	0.17	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 23:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 23:59	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 23:59	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 23:59	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 23:59	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 23:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:30	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.020	0.0020	mg/Kg	☼	07/14/11 08:50	07/14/11 12:03	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/14/11 12:19	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<49		49	5.7	mg/Kg		07/14/11 09:36	07/14/11 12:38	1
Cyanide, Reactive	<0.40		0.40	0.10	mg/Kg		07/12/11 18:00	07/12/11 20:55	1
pH	7.72		0.200	0.200	SU			07/19/11 14:28	1
Paint Filter	pass				mL/100g			07/14/11 16:02	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: **500-36406**
 Chain of Custody Number: **EEG-12-11**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.6)(4.1)(3.8)**

Report To: **Dean Teibert**
 Contact: **P-E**
 Company: **33 W. Main St. Suite 550**
 Address: **14.4.4.4, IL 60603**
 Address: **312.578.9243**
 Phone: **312.578.9243**
 Fax: **312.578.9243**
 E-Mail: **dtteibert@me.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# / Reference# _____

Lab ID	MSMSD	Sample ID	Date	Sampling		Matrix	# of Containers	Preservative	Parameter	Total PCBs	Metals	PCB/PCRA	Metals	PH/0.5:1.8	Wash	VOC	Comments
				Date	Time												
1		E1220B02(4-6)	7-7-11	1530	2 S		2 S	RAH	X	X	X	X	X	X	X		For Waste
2		E1220B02(6-8)	7-7-11	1535	2 S		2 S	BTEX+MTRC	X	X	X	X	X	X	X		disposal sample
3		E1220B03(0-2)	7-7-11	1555	2 S		2 S		X	X	X	X	X	X	X		E1220B01(2-4)
4		E1220B03(4-6)	7-7-11	1600	2 S		2 S		X	X	X	X	X	X	X		minus pH and
5		E1220B01(2-4)	7-7-11	1355	1 S		1 S		X	X	X	X	X	X	X		Test metals as
6		E1213B01(0-2)	7-8-11	0830	3 S		3 S		X	X	X	X	X	X	X		parent sample
7		E1218B01(4-6)	7-8-11	0910	3 S		3 S		X	X	X	X	X	X	X		sent to Lab
8		E1215B01(2-4)	7-8-11	0930	3 S		3 S		X	X	X	X	X	X	X		on 7-7-11
9		E1219B01(0-2)	7-8-11	1100	3 S		3 S		X	X	X	X	X	X	X		

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

Requested Due Date _____

Sample Disposal
 Return to Client
 Disposal by Lab

Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1440**
 Relinquished By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1600**
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: **JRS** Company: **TA** Date: **7-8-11** Time: **1600**
 Received By: **JRS** Company: **TA** Date: **7-8-11** Time: **1600**
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: **TA**
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Zebert
 Contract: E-E
 Company: 3D W. Minerals, St. Louis, MO
 Address: Chicago, IL 60603
 Address: 312 578 9213
 Phone: 312 778 9345
 Fax: 312 778 9345
 E-Mail: dz@3dmin.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# Reference# _____

Chain of Custody Record

Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-13
 Page: 1 of 1
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Containers	Preservative	Parameter		Comments
								RAH	VOC	
13		E1221B02(2-4)	7-8-11	1130	2 S	2		X	X	
14		E1221B02(4-6)	7-8-11	1135	2 S	2		X	X	
15		E1221B02D(4-6)	7-8-11	1135	2 S	2		X	X	
16		E1221B01(4-6)	7-8-11	1230	3 S	3		X	X	
17		E1221B01(14-16)	7-8-11	1200	2 S	2		X	X	
18		E1222B01(2-4)	7-8-11	1305	2 S	2		X	X	
19		E1222B01(4-6)	7-8-11	1345	3 S	3		X	X	
20		E1222B02(0-2)	7-8-11	1350	2 S	2		X	X	
21		E1222B02(4-6)	7-8-11	1410	3 S	3		X	X	
22		E1223B01(2-4)	7-8-11	1410	3 S	3		X	X	

Client: Ecdogy; Environment
 Client Project #: 3130.VI-12-01
 Project Name: Irving Park Road (IL 19)
 Project Location/State: DuPage County, IL
 Lab Project #: 5672
 Lab PM: Dick Wright
 Sampler: Scott Cooper

Preservative Key:
 1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/ZA, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

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

Requested Due Date: _____

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

Relinquished By: [Signature] Company: RIC Date: 7-8-11 Time: 1940
 Relinquished By: [Signature] Company: TA Date: 7-8-11 Time: 1600
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
130-154 W. living Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96084 Longitude: -87.94203
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96084 Longitude: -87.94203

Uncontaminated Site 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 E1219B01 was sampled within the construction zone adjacent to ISGS #1583V-19: Strip Mall. Refer to PSI Report for ISGS #1583V-19: Strip Mall including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36406.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

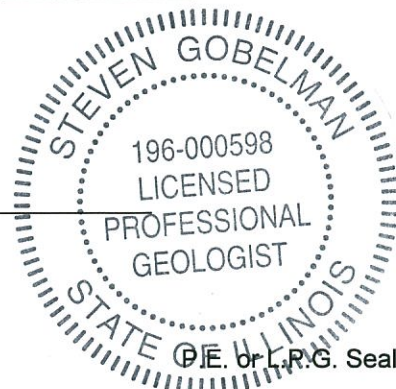
Steven Gobelman

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/12/15

Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-19 (Strip Mall)	Comparison Criteria			
BORING	E1219B01	MACs			TACO SCGIER
SAMPLE	E1219B01 (0-2)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil				
DEPTH (m)	0.0-0.6				
pH	8.34				
VOCs (None Detected)					
SVOCs (µg/kg)					
Acenaphthene	35 J	570,000	--	--	--
Anthracene	84	12,000,000	--	--	--
Benzo[a]anthracene	490	900	1,800	1,100	--
Benzo[a]pyrene	490 †	90	2,100	1,300	--
Benzo[b]fluoranthene	630	900	2,100	1,500	--
Benzo[g,h,i]perylene	410	2,300,000	--	--	--
Benzo[k]fluoranthene	280	9,000	--	--	--
Chrysene	570	88,000	--	--	--
Dibenzo(a,h)anthracene	76	90	420	200	--
Fluoranthene	970	3,100,000	--	--	--
Fluorene	40	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	360	900	1,600	900	--
Phenanthrene	590	210,000	--	--	--
Pyrene	1,000	2,300,000	--	--	--
PCBs (µg/kg)					
PCB-1260	13 J	1,000	--	--	--
PCBs, total	13	--	--	--	--
Inorganics (mg/kg)					
Arsenic	7.9	11.3	13	--	0.05
Barium	86	1,500	--	--	2
Cadmium	0.42	5.2	--	--	0.005
Chromium	22 †	21	--	--	0.1
Lead	28	107	--	--	0.0075
Mercury	0.071	0.89	--	--	0.002
TCLP Metals (mg/L)					
Barium	0.53	1,500	--	--	2
Lead	0.012 L	107	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1219B01 (0-2)

Lab Sample ID: 500-36406-9

Date Collected: 07/08/11 11:00

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/18/11 21:40	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/18/11 21:40	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/18/11 21:40	20
Chloroform	<0.020		0.020	0.010	mg/L			07/18/11 21:40	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/18/11 21:40	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 21:40	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/18/11 21:40	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/18/11 21:40	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 21:40	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/18/11 21:40	20

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 124		07/18/11 21:40	20
Toluene-d8 (Surr)	103		80 - 121		07/18/11 21:40	20
4-Bromofluorobenzene (Surr)	97		77 - 112		07/18/11 21:40	20
Dibromofluoromethane	98		78 - 119		07/18/11 21:40	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.9		4.9	0.80	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Vinyl chloride	<4.9		4.9	0.68	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Bromomethane	<4.9		4.9	1.0	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Chloroethane	<4.9		4.9	1.0	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
1,1-Dichloroethene	<4.9		4.9	0.77	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Carbon disulfide	<4.9		4.9	0.69	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Acetone	<4.9		4.9	2.4	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Methylene Chloride	<4.9		4.9	1.4	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
trans-1,2-Dichloroethene	<4.9		4.9	0.69	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Methyl tert-butyl ether	<4.9		4.9	0.73	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
1,1-Dichloroethane	<4.9		4.9	0.77	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
cis-1,2-Dichloroethene	<4.9		4.9	0.71	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Methyl Ethyl Ketone	<4.9		4.9	1.1	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Chloroform	<4.9		4.9	0.90	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
1,1,1-Trichloroethane	<4.9		4.9	0.94	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Carbon tetrachloride	<4.9		4.9	1.1	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Benzene	<4.9		4.9	0.53	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
1,2-Dichloroethane	<4.9		4.9	0.50	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Trichloroethene	<4.9		4.9	0.79	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
1,2-Dichloropropane	<4.9		4.9	1.1	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Bromodichloromethane	<4.9		4.9	0.74	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
cis-1,3-Dichloropropene	<4.9		4.9	0.56	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
methyl isobutyl ketone	<4.9		4.9	0.83	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Toluene	<4.9		4.9	0.95	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
trans-1,3-Dichloropropene	<4.9		4.9	1.1	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
1,1,2-Trichloroethane	<4.9		4.9	0.65	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Tetrachloroethene	<4.9		4.9	0.93	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
2-Hexanone	<4.9		4.9	0.69	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Dibromochloromethane	<4.9		4.9	0.67	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Chlorobenzene	<4.9		4.9	0.77	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1
Ethylbenzene	<4.9		4.9	0.73	ug/Kg	*	07/08/11 11:00	07/12/11 18:32	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1219B01 (0-2)

Lab Sample ID: 500-36406-9

Date Collected: 07/08/11 11:00

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 79.7

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.9		4.9	0.61	ug/Kg	☼	07/08/11 11:00	07/12/11 18:32	1
Bromoform	<4.9		4.9	0.79	ug/Kg	☼	07/08/11 11:00	07/12/11 18:32	1
1,1,2,2-Tetrachloroethane	<4.9		4.9	0.66	ug/Kg	☼	07/08/11 11:00	07/12/11 18:32	1
Xylenes, Total	<9.8		9.8	0.68	ug/Kg	☼	07/08/11 11:00	07/12/11 18:32	1
1,3-Dichloropropene, Total	<4.9		4.9	0.56	ug/Kg	☼	07/08/11 11:00	07/12/11 18:32	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		69 - 120	07/08/11 11:00	07/12/11 18:32	1
Toluene-d8 (Surr)	96		69 - 122	07/08/11 11:00	07/12/11 18:32	1
4-Bromofluorobenzene (Surr)	90		67 - 120	07/08/11 11:00	07/12/11 18:32	1
Dibromofluoromethane	95		69 - 120	07/08/11 11:00	07/12/11 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<40		40	7.3	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Acenaphthylene	<40		40	6.3	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Acenaphthene	35	J	40	8.4	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Fluorene	40		40	7.7	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Phenanthrene	590		40	7.9	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Anthracene	84		40	7.4	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Fluoranthene	970		40	7.5	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Pyrene	1000		40	14	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Benzo[a]anthracene	490		40	8.7	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Chrysene	570		40	13	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Benzo[b]fluoranthene	630		40	8.4	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Benzo[k]fluoranthene	280		40	9.5	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Benzo[a]pyrene	490		40	7.7	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Indeno[1,2,3-cd]pyrene	360		40	10	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Dibenz(a,h)anthracene	76		40	10	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1
Benzo[g,h,i]perylene	410		40	9.8	ug/Kg	☼	07/13/11 16:27	07/15/11 16:21	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		22 - 110	07/13/11 16:27	07/15/11 16:21	1
2-Fluorobiphenyl	69		27 - 113	07/13/11 16:27	07/15/11 16:21	1
Terphenyl-d14	97		33 - 129	07/13/11 16:27	07/15/11 16:21	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:23	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:23	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:23	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:23	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:23	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:23	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:23	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 18:23	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 18:23	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 18:23	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:23	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 18:23	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1219B01 (0-2)

Lab Sample ID: 500-36406-9

Date Collected: 07/08/11 11:00

Matrix: Solid

Date Received: 07/08/11 16:00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	43		20 - 100	07/18/11 01:50	07/18/11 18:23	1
Phenol-d5	27		20 - 100	07/18/11 01:50	07/18/11 18:23	1
Nitrobenzene-d5	74		39 - 110	07/18/11 01:50	07/18/11 18:23	1
2-Fluorobiphenyl	78		44 - 110	07/18/11 01:50	07/18/11 18:23	1
2,4,6-Tribromophenol	97		46 - 126	07/18/11 01:50	07/18/11 18:23	1
Terphenyl-d14	99		52 - 131	07/18/11 01:50	07/18/11 18:23	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 17:15	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:15	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:15	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:15	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 17:15	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 17:15	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 17:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		36 - 126	07/15/11 11:55	07/18/11 17:15	1
Tetrachloro-m-xylene	84		42 - 120	07/15/11 11:55	07/18/11 17:15	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.8	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:22	1
PCB-1221	<20		20	7.5	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:22	1
PCB-1232	<20		20	6.9	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:22	1
PCB-1242	<20		20	6.1	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:22	1
PCB-1248	<20		20	6.8	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:22	1
PCB-1254	<20		20	6.2	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:22	1
PCB-1260	13	J	20	6.4	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:22	1
Polychlorinated biphenyls, Total	13	J	20	4.8	ug/Kg	⊛	07/12/11 19:17	07/14/11 15:22	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	65		28 - 124	07/12/11 19:17	07/14/11 15:22	1
DCB Decachlorobiphenyl	88		38 - 130	07/12/11 19:17	07/14/11 15:22	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 08:53	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 08:53	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	84		30 - 110	07/15/11 11:13	07/18/11 08:53	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.9		0.60	0.084	mg/Kg	⊛	07/11/11 16:40	07/14/11 06:47	1
Barium	86		0.60	0.034	mg/Kg	⊛	07/11/11 16:40	07/14/11 06:47	1
Cadmium	0.42		0.12	0.016	mg/Kg	⊛	07/11/11 16:40	07/14/11 06:47	1
Chromium	22		0.60	0.051	mg/Kg	⊛	07/11/11 16:40	07/14/11 06:47	1
Lead	28		0.30	0.14	mg/Kg	⊛	07/11/11 16:40	07/14/11 06:47	1
Selenium	<0.60		0.60	0.17	mg/Kg	⊛	07/11/11 16:40	07/14/11 06:47	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1219B01 (0-2)

Lab Sample ID: 500-36406-9

Date Collected: 07/08/11 11:00

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.30		0.30	0.038	mg/Kg	☼	07/11/11 16:40	07/14/11 06:47	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		07/15/11 10:30	07/16/11 00:11	1
Barium	0.53		0.50	0.010	mg/L		07/15/11 10:30	07/16/11 00:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/16/11 00:11	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/16/11 00:11	1
Lead	0.012		0.0075	0.0050	mg/L		07/15/11 10:30	07/16/11 00:11	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/16/11 00:11	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/16/11 00:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:35	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.071		0.018	0.0018	mg/Kg	☼	07/14/11 08:50	07/14/11 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176		NONE	NONE	Degrees F			07/14/11 13:43	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	5.8	mg/Kg		07/14/11 09:44	07/14/11 12:40	1
Cyanide, Reactive	<0.35		0.35	0.088	mg/Kg		07/12/11 18:00	07/12/11 20:55	1
pH	8.34		0.200	0.200	SU			07/19/11 14:34	1
Paint Filter	pass				mL/100g			07/14/11 15:50	1

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- 14

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: **500-36406**
 Chain of Custody Number: **EEG-12-11**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.6)(4.1)(3.8)**

Report To: **Dean Teibert**
 Contact: **P-E**
 Company: **33 W. Main St. Suite 550**
 Address: **14.4.4.4, IL 60603**
 Address: **312.578.9243**
 Phone: **312.578.9243**
 Fax: **312.578.9243**
 E-Mail: **dtteibert@me.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# / Reference# _____

Lab ID	MSMSD	Sample ID	Date	Sampling		Matrix	# of Containers	Preservative	Parameter	Total PCBs	Metals	PCB/PCRA	Metals	PH/0.5:1.8	Wash	VOC	Comments
				Date	Time												
1		E1220B02(4-6)	7-7-11	1530		2 S	2	RAH	X	X	X	X	X	X	X		For Waste
2		E1220B02(6-8)	7-7-11	1535		2 S	2	BREX+MTRC	X	X	X	X	X	X	X		disposal sample
3		E1220B03(0-2)	7-7-11	1555		2 S	2	X	X	X	X	X	X	X	X		E1220B01(2-4)
4		E1220B03(4-6)	7-7-11	1600		2 S	2	X	X	X	X	X	X	X	X		minus pH and
5		E1220B01(2-4)	7-7-11	1355		1 S	1	X	X	X	X	X	X	X	X		Test metals as
6		E1213B01(0-2)	7-8-11	0830		3 S	3	X	X	X	X	X	X	X	X		parent sample
7		E1218B01(4-6)	7-8-11	0910		3 S	3	X	X	X	X	X	X	X	X		sent to Lab
8		E1215B01(2-4)	7-8-11	0930		3 S	3	X	X	X	X	X	X	X	X		on 7-7-11
9		E1219B01(0-2)	7-8-11	1100		3 S	3	X	X	X	X	X	X	X	X		

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

Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months _____

Relinquished By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1440**
 Relinquished By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1600**
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: **JRS** Company: **TA** Date: **7-8-11** Time: **1600**
 Received By: **JRS** Company: **TA** Date: **7-8-11** Time: **1600**
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: **TA**
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Zebert
 Contract: E-E
 Company: 3D W. Minerals, St. Louis, MO
 Address: Chicago, IL 60603
 Address: 312 578 9213
 Phone: 312 778 9345
 Fax: Atlanta, GA
 E-Mail: atlanta@e-e.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# Reference# _____

Chain of Custody Record
 Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-13
 Page: 1 of 1
 Temperature: 0 C of Cooler.

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Containers	Preservative	Parameter	VOC	PAH	Total PCBs	Methyl PCBs	Pth/ % PCBs	Work Dupes	Comments
13		E1221B02(2-4)	7-8-11	1130	2	5			X	X	X	X	X		
14		E1221B02(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
15		E1221B02D(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
16		E1221B01(4-6)	7-8-11	1225	3	5			X	X	X	X	X		
17		E1221B01(14-16)	7-8-11	1230	2	5			X	X	X	X	X		
18		E1222B01(2-4)	7-8-11	1200	2	5			X	X	X	X	X		
19		E1222B01(4-6)	7-8-11	1305	2	5			X	X	X	X	X		
20		E1222B02(0-2)	7-8-11	1345	3	5			X	X	X	X	X		
21		E1222B02(4-6)	7-8-11	1350	2	5			X	X	X	X	X		
22		E1223B01(2-4)	7-8-11	1410	3	5			X	X	X	X	X		

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

Requested Due Date: _____

Resubmitted By: [Signature] Company: RIC Date: 7-8-11 Time: 1940

Resubmitted By: [Signature] Company: ATA Date: 7-9-11 Time: 1940

Resubmitted By: [Signature] Company: ATA Date: 7-8-11 Time: 1600

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

101 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96108 Longitude: -87.94140
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434145193 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)Latitude: 41.96108 Longitude: -87.94140Uncontaminated Site 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 E1220B02, E1220B03, and E1220B04 were sampled within the construction zone adjacent to ISGS #1583V-20: Citgo. Refer to PSI Report for ISGS #1583V-20: Citgo including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data packages J36349 and J36406.

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

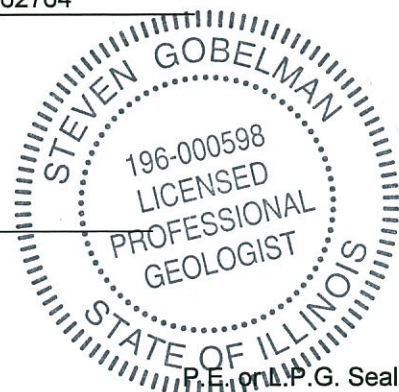
I, Steven Gobelman (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental 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: Illinois Department of TransportationStreet Address: 2300 South Dirksen ParkwayCity: Springfield State: IL Zip Code: 62764Phone: 217-785-4246Steven Gobelman

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:



Date: 2/12/15

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05
CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-20 (Citgo)								Comparison Criteria				
	E1220B02				E1220B03				E1220B04				
	E1220B02 (4-6)	E1220B02 (6-8)	Soil	E1220B03 (0-2)	E1220B03 (4-6)	E1220B04 (2-4)	E1220B04 (6-8)	Soil	Soil	Most Stringent	Within an MSA	Within Chicago	TACO SCGIER
DEPTH (m)	1.2-1.8	1.8-2.4	7.58	0.0-0.6	1.2-1.8	0.6-1.2	1.8-2.4	6.86	8.16				
pH	7.12	7.58		7.47	7.34								
VOCs (µg/kg)													
Methyl tert-butyl ether	ND U	2.3 J		ND U	ND U	ND U	ND U	320					
SVOCs (µg/kg)													
Acenaphthene	ND U	ND U		38	ND U	ND U	ND U	570,000					
Acenaphthylene	ND U	ND U		6.0 J	ND U	ND U	ND U	85,000					
Anthracene	ND U	ND U		180	ND U	ND U	ND U	12,000,000					
Benzo[a]anthracene	ND U	ND U		970 †	ND U	10 J	ND U	900	1,800	1,100			
Benzo[a]pyrene	ND U	ND U		770 †	ND U	9.9 J	ND U	90	2,100	1,300			
Benzo[b]fluoranthene	ND U	ND U		970 †	ND U	12 J	ND U	900	2,100	1,500			
Benzo[g,h,i]perylene	ND U	ND U		480	ND U	11 J	ND U	2,300,000					
Benzo[k]fluoranthene	ND U	ND U		500	ND U	ND U	ND U	9,000					
Chrysene	ND U	ND U		930	ND U	ND U	ND U	88,000					
Dibenzo[a,h]anthracene	ND U	ND U		190 †	ND U	ND U	ND U	90	420	200			
Fluoranthene	ND U	ND U		1,600	ND U	12 J	ND U	3,100,000					
Fluorene	ND U	ND U		35 J	ND U	ND U	ND U	560,000					
Indeno[1,2,3-cd]pyrene	ND U	ND U		420	ND U	ND U	ND U	900	1,600	900			
Phenanthrene	ND U	ND U		680	ND U	ND U	ND U	210,000					
Pyrene	ND U	ND U		1,700	ND U	ND U	ND U	2,300,000					
Inorganics (mg/kg)													
Arsenic	8.5	5.4		6.3	8.4	8.0	7.2	11.3	13				
Barium	57	44		52	65	81	42	1,500					
Cadmium	0.44	0.36		0.41	0.16	0.20	0.40	5.2					
Chromium	17	17		12	15	21	18	21					
Lead	10	9.4		28	11	16	11	107					
Mercury	0.023	0.024		0.036	0.037	0.035	0.018 J	0.89					
Selenium	ND U	ND U		ND U	ND U	0.25 J	ND U	1.3					
TCCLP Metals (mg/L)													
Barium	0.45 J	0.32 J		0.59	0.46 J	0.29 J	0.29 J	--	--	--			2
Cadmium	0.0037 J	0.0028 J		ND U	ND U	ND U	0.0024 J	--	--	--			0.005
Lead	0.0064 J	0.0054 J		0.0068 J	ND U	0.0062 J	0.0050 J	--	--	--			0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36349-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 01:27:43 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Job ID: 500-36349-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36349-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1220B01 (2-4) (500-36349-15), E1225B02 (4-6) (500-36349-8), E1225B02 (8-10) (500-36349-9). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: E1220B01 (2-4) (500-36349-15). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: Due to the level of dilution required for the following sample (500-36349-15 DL), surrogate recoveries are not reported: E1220B01 (2-4) (500-36349-15).

Method(s) 8270C: 500-36349-15 had Terphenyl-d14 at 158% (33%-129%). All other surrogate recoveries were within limits. No further action was required. E1220B01 (2-4) (500-36349-15)

Method(s) 8270C: Eight matrix spike duplicate (MSD) recoveries for batch 119139 were outside control limits, biased low. The RPD for Benzo[k]fluoranthene was at 45% (30%). The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required. E1225B01 (10-12) (500-36349-2)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 7/13/11 at 1845 did not meet control limits (biased low). Sample matrix from the previously analyzed sample is suspected to have contributed to this failure. E1224B01 (2-4) (500-36349-11), E1225B02 (4-6) (500-36349-8)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor. E1224B01 (2-4) (500-36349-11), E1225B02 (4-6) (500-36349-8)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36349-15, was outside control limits for Pb.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-36349-15 was outside the control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36349-15 were outside control limits for As. The MS was also out for Cr. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 7471A: The matrix spike (MS) recovery for sample 500-36349-7 was outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Job ID: 500-36349-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1220B04 (2-4)

Lab Sample ID: 500-36349-13

Date Collected: 07/07/11 13:20

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<6.0		6.0	0.65	ug/Kg	☼	07/07/11 13:20	07/12/11 10:51	1
Toluene	<6.0		6.0	1.2	ug/Kg	☼	07/07/11 13:20	07/12/11 10:51	1
Ethylbenzene	<6.0		6.0	0.90	ug/Kg	☼	07/07/11 13:20	07/12/11 10:51	1
Xylenes, Total	<12		12	0.84	ug/Kg	☼	07/07/11 13:20	07/12/11 10:51	1
Methyl tert-butyl ether	<6.0		6.0	0.90	ug/Kg	☼	07/07/11 13:20	07/12/11 10:51	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		69 - 120	07/07/11 13:20	07/12/11 10:51	1
Toluene-d8 (Surr)	103		69 - 122	07/07/11 13:20	07/12/11 10:51	1
4-Bromofluorobenzene (Surr)	100		67 - 120	07/07/11 13:20	07/12/11 10:51	1
Dibromofluoromethane	107		69 - 120	07/07/11 13:20	07/12/11 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<42		42	7.6	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Acenaphthylene	<42		42	6.6	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Acenaphthene	<42		42	8.8	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Fluorene	<42		42	8.1	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Phenanthrene	<42		42	8.3	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Anthracene	<42		42	7.7	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Fluoranthene	12	J	42	7.9	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Pyrene	<42		42	14	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Benzo[a]anthracene	10	J	42	9.1	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Chrysene	<42		42	13	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Benzo[b]fluoranthene	12	J	42	8.7	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Benzo[k]fluoranthene	<42		42	9.9	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Benzo[a]pyrene	9.9	J	42	8.1	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Indeno[1,2,3-cd]pyrene	<42		42	11	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Dibenz(a,h)anthracene	<42		42	11	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1
Benzo[g,h,i]perylene	11	J	42	10	ug/Kg	☼	07/12/11 16:33	07/14/11 21:00	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64		22 - 110	07/12/11 16:33	07/14/11 21:00	1
2-Fluorobiphenyl	68		27 - 113	07/12/11 16:33	07/14/11 21:00	1
Terphenyl-d14	85		33 - 129	07/12/11 16:33	07/14/11 21:00	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.0		0.60	0.084	mg/Kg	☼	07/11/11 17:30	07/14/11 03:51	1
Barium	81		0.60	0.034	mg/Kg	☼	07/11/11 17:30	07/14/11 03:51	1
Cadmium	0.20		0.12	0.016	mg/Kg	☼	07/11/11 17:30	07/14/11 03:51	1
Chromium	21		0.60	0.051	mg/Kg	☼	07/11/11 17:30	07/14/11 03:51	1
Lead	16		0.30	0.14	mg/Kg	☼	07/11/11 17:30	07/14/11 03:51	1
Selenium	0.25	J	0.60	0.17	mg/Kg	☼	07/11/11 17:30	07/14/11 03:51	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	07/11/11 17:30	07/14/11 03:51	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		07/15/11 10:30	07/15/11 23:07	1
Barium	0.29	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 23:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 23:07	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1220B04 (2-4)

Lab Sample ID: 500-36349-13

Date Collected: 07/07/11 13:20

Matrix: Solid

Date Received: 07/07/11 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 23:07	1
Lead	0.0062	J	0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 23:07	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 23:07	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 23:07	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:14	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.022	0.0022	mg/Kg	☼	07/14/11 08:50	07/14/11 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.86		0.200	0.200	SU			07/18/11 14:38	1

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- 2
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Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1220B04 (6-8)

Lab Sample ID: 500-36349-14

Date Collected: 07/07/11 13:25

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.6		4.6	0.50	ug/Kg	☼	07/07/11 13:25	07/12/11 11:15	1
Toluene	<4.6		4.6	0.90	ug/Kg	☼	07/07/11 13:25	07/12/11 11:15	1
Ethylbenzene	<4.6		4.6	0.70	ug/Kg	☼	07/07/11 13:25	07/12/11 11:15	1
Xylenes, Total	<9.3		9.3	0.65	ug/Kg	☼	07/07/11 13:25	07/12/11 11:15	1
Methyl tert-butyl ether	<4.6		4.6	0.70	ug/Kg	☼	07/07/11 13:25	07/12/11 11:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		69 - 120	07/07/11 13:25	07/12/11 11:15	1
Toluene-d8 (Surr)	104		69 - 122	07/07/11 13:25	07/12/11 11:15	1
4-Bromofluorobenzene (Surr)	106		67 - 120	07/07/11 13:25	07/12/11 11:15	1
Dibromofluoromethane	109		69 - 120	07/07/11 13:25	07/12/11 11:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.0	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Acenaphthylene	<39		39	6.0	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Acenaphthene	<39		39	8.1	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Fluorene	<39		39	7.4	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Phenanthrene	<39		39	7.6	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Anthracene	<39		39	7.1	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Pyrene	<39		39	13	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Benzo[a]anthracene	<39		39	8.3	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Chrysene	<39		39	12	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Benzo[b]fluoranthene	<39		39	8.0	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Benzo[k]fluoranthene	<39		39	9.1	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Benzo[a]pyrene	<39		39	7.4	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Indeno[1,2,3-cd]pyrene	<39		39	9.9	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Dibenz(a,h)anthracene	<39		39	9.8	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1
Benzo[g,h,i]perylene	<39		39	9.4	ug/Kg	☼	07/12/11 16:33	07/14/11 21:21	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	76		22 - 110	07/12/11 16:33	07/14/11 21:21	1
2-Fluorobiphenyl	74		27 - 113	07/12/11 16:33	07/14/11 21:21	1
Terphenyl-d14	77		33 - 129	07/12/11 16:33	07/14/11 21:21	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2		0.55	0.078	mg/Kg	☼	07/11/11 17:30	07/14/11 03:57	1
Barium	42		0.55	0.031	mg/Kg	☼	07/11/11 17:30	07/14/11 03:57	1
Cadmium	0.40		0.11	0.015	mg/Kg	☼	07/11/11 17:30	07/14/11 03:57	1
Chromium	18		0.55	0.047	mg/Kg	☼	07/11/11 17:30	07/14/11 03:57	1
Lead	11		0.28	0.13	mg/Kg	☼	07/11/11 17:30	07/14/11 03:57	1
Selenium	<0.55		0.55	0.16	mg/Kg	☼	07/11/11 17:30	07/14/11 03:57	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/11/11 17:30	07/14/11 03:57	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		07/15/11 10:30	07/15/11 20:52	1
Barium	0.29	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 20:52	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 20:52	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1220B04 (6-8)

Lab Sample ID: 500-36349-14

Date Collected: 07/07/11 13:25

Matrix: Solid

Date Received: 07/07/11 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 20:52	1
Lead	0.0050	J	0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 20:52	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 20:52	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 20:52	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:39	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.019	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 13:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.16		0.200	0.200	SU			07/18/11 14:41	1

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- 2
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Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control 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 is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	Duplicate RPD exceeds the control limit
F	MS or MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Tebbat
 Contact: K-E
 Company: 37 W Monroe St Suite 550
 Address: Chicago, IL 60607
 Phone: 312.576.9243
 Fax: 312.576.9345
 E-Mail: dtebbat@k-e.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-36349
 Chain of Custody Number: F-0-12-09
 Page 1 of 1
 Temperature °C of Cooler: (3.4) (3.7)

Lab ID	MSMSD	Sample ID	Date	Time	Preservative	Parameter	# of Containers		M	W	Comments
							1	2			
1		E1225B01 (6-E)	7-7-11	0855	Voc	PAH	X	X	X	X	
2		E1225B01 (10-12)	7-7-11	0900			X	X	X	X	Wash Disposal BTEX + MIBT
3		E1225B01 D (10-12)	7-7-11	0900			X	X	X	X	PH/% Solids
4		E1225E01	7-7-11	0905			X	X	X	X	TCLP PCBs
5		E12TR03	7-7-11	0905			X	X	X	X	Metal PCBs
6		E1225B03 (2-4)	7-7-11	1030			X	X	X	X	
7		E1225B03 (10-12)	7-7-11	1035			X	X	X	X	
8		E1225B02 (4-6)	7-7-11	1230			X	X	X	X	
9		E1225B02 (8-10)	7-7-11	1245			X	X	X	X	
10		E1220G01	7-7-11	1420			X	X	X	X	

Preservative Key
 1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/ZN, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

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

Requested Due Date _____

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

Relinquished By: <u>MS</u>	Company: <u>K-E</u>	Date: <u>7-7-11</u>	Time: <u>1455</u>
Relinquished By: <u>MS</u>	Company: <u>K-E</u>	Date: <u>7-7-11</u>	Time: <u>1650</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____

Received By: JA Company: JA Date: 7-7-11 Time: 1500

Received By: JA Company: JA Date: 7-7-11 Time: 1650

Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-36349
 Chain of Custody Number: EE6-12-10
 Page 1 of 1
 Temperature °C of Cooler: _____

Report To: Dawn Ticebort
 Contact: _____
 Company: _____
 Address: 33 W. Michigan St. Suite 512
Chicago, IL 60603
 Phone: 312.572.9243
 Fax: 312.572.9245
 E-Mail: dticebort@att.net.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Lab ID	MS/MSD	Sample ID	Date	Time	Preservative		Matrix	# Containers	PAH	BTEX + MWTRB	Total PCBs	Temp PCBs	Pb% s.d.r.	Wash Disposal	Comments
					Matrix	Containers									
11		E1224B01 (2-4)	7-7-11	1150			3	5	X	X	X	X	X		
12		E1224B01 (6-8)	7-7-11	1152			2	5	X	X	X	X	X		
13		E1220B04 (2-4)	7-7-11	1320			2	5	X	X	X	X	X		
14		E1220B04 (6-8)	7-7-11	1325			2	5	X	X	X	X	X		
15		E1220B01 (2-4)	7-7-11	1355			2	5	X	X	X	X	X		
16		E1220B01 (6-8)	7-7-11	1400			2	5	X	X	X	X	X		

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

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

Relinquished By: SATZ Company: FE Date: 7-7-11 Time: 1455
 Relinquished By: [Signature] Company: TA Date: 7-7-11 Time: 1500
 Relinquished By: [Signature] Company: TA Date: 7-7-11 Time: 1650

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

Matrix Key
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air

SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipes
 DW - Drinking Water
 O - Other

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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results through
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Have a Question?



Visit us at:
www.testamericainc.com

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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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1220B02 (4-6)

Lab Sample ID: 500-36406-1

Date Collected: 07/07/11 15:30

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.5		4.5	0.49	ug/Kg	☼	07/07/11 15:30	07/12/11 15:30	1
Toluene	<4.5		4.5	0.88	ug/Kg	☼	07/07/11 15:30	07/12/11 15:30	1
Ethylbenzene	<4.5		4.5	0.68	ug/Kg	☼	07/07/11 15:30	07/12/11 15:30	1
Xylenes, Total	<9.1		9.1	0.63	ug/Kg	☼	07/07/11 15:30	07/12/11 15:30	1
Methyl tert-butyl ether	<4.5		4.5	0.68	ug/Kg	☼	07/07/11 15:30	07/12/11 15:30	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		69 - 120	07/07/11 15:30	07/12/11 15:30	1
Toluene-d8 (Surr)	104		69 - 122	07/07/11 15:30	07/12/11 15:30	1
4-Bromofluorobenzene (Surr)	94		67 - 120	07/07/11 15:30	07/12/11 15:30	1
Dibromofluoromethane	94		69 - 120	07/07/11 15:30	07/12/11 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.8	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Acenaphthene	<38		38	7.9	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Fluorene	<38		38	7.2	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Phenanthrene	<38		38	7.4	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Anthracene	<38		38	6.9	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Fluoranthene	<38		38	7.0	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Pyrene	<38		38	13	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Benzo[a]anthracene	<38		38	8.1	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Chrysene	<38		38	12	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Benzo[b]fluoranthene	<38		38	7.8	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Benzo[k]fluoranthene	<38		38	8.9	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Indeno[1,2,3-cd]pyrene	<38		38	9.6	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Dibenz(a,h)anthracene	<38		38	9.6	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1
Benzo[g,h,i]perylene	<38		38	9.2	ug/Kg	☼	07/13/11 16:27	07/14/11 21:03	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		22 - 110	07/13/11 16:27	07/14/11 21:03	1
2-Fluorobiphenyl	84		27 - 113	07/13/11 16:27	07/14/11 21:03	1
Terphenyl-d14	90		33 - 129	07/13/11 16:27	07/14/11 21:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.5		0.56	0.078	mg/Kg	☼	07/11/11 16:40	07/14/11 05:21	1
Barium	57		0.56	0.031	mg/Kg	☼	07/11/11 16:40	07/14/11 05:21	1
Cadmium	0.44		0.11	0.015	mg/Kg	☼	07/11/11 16:40	07/14/11 05:21	1
Chromium	17		0.56	0.047	mg/Kg	☼	07/11/11 16:40	07/14/11 05:21	1
Lead	10		0.28	0.13	mg/Kg	☼	07/11/11 16:40	07/14/11 05:21	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	07/11/11 16:40	07/14/11 05:21	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/11/11 16:40	07/14/11 05:21	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		07/15/11 10:30	07/15/11 20:58	1
Barium	0.45	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 20:58	1
Cadmium	0.0037	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 20:58	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1220B02 (4-6)

Lab Sample ID: 500-36406-1

Date Collected: 07/07/11 15:30

Matrix: Solid

Date Received: 07/08/11 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 20:58	1
Lead	0.0064	J	0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 20:58	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 20:58	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 20:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:42	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.12		0.200	0.200	SU			07/19/11 14:10	1

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Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1220B02 (6-8)

Lab Sample ID: 500-36406-2

Date Collected: 07/07/11 15:35

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.6		4.6	0.49	ug/Kg	☼	07/07/11 15:35	07/12/11 15:57	1
Toluene	<4.6		4.6	0.89	ug/Kg	☼	07/07/11 15:35	07/12/11 15:57	1
Ethylbenzene	<4.6		4.6	0.69	ug/Kg	☼	07/07/11 15:35	07/12/11 15:57	1
Xylenes, Total	<9.1		9.1	0.64	ug/Kg	☼	07/07/11 15:35	07/12/11 15:57	1
Methyl tert-butyl ether	2.3	J	4.6	0.69	ug/Kg	☼	07/07/11 15:35	07/12/11 15:57	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		69 - 120	07/07/11 15:35	07/12/11 15:57	1
Toluene-d8 (Surr)	85		69 - 122	07/07/11 15:35	07/12/11 15:57	1
4-Bromofluorobenzene (Surr)	80		67 - 120	07/07/11 15:35	07/12/11 15:57	1
Dibromofluoromethane	81		69 - 120	07/07/11 15:35	07/12/11 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<36		36	6.6	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Acenaphthylene	<36		36	5.7	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Acenaphthene	<36		36	7.6	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Fluorene	<36		36	7.0	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Phenanthrene	<36		36	7.2	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Anthracene	<36		36	6.7	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Fluoranthene	<36		36	6.8	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Pyrene	<36		36	13	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Benzo[a]anthracene	<36		36	7.9	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Chrysene	<36		36	12	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Benzo[b]fluoranthene	<36		36	7.6	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Benzo[k]fluoranthene	<36		36	8.6	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Benzo[a]pyrene	<36		36	7.0	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Indeno[1,2,3-cd]pyrene	<36		36	9.3	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Dibenz(a,h)anthracene	<36		36	9.2	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1
Benzo[g,h,i]perylene	<36		36	8.9	ug/Kg	☼	07/13/11 16:27	07/14/11 21:24	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		22 - 110	07/13/11 16:27	07/14/11 21:24	1
2-Fluorobiphenyl	81		27 - 113	07/13/11 16:27	07/14/11 21:24	1
Terphenyl-d14	81		33 - 129	07/13/11 16:27	07/14/11 21:24	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.4		0.55	0.077	mg/Kg	☼	07/11/11 16:40	07/14/11 05:27	1
Barium	44		0.55	0.031	mg/Kg	☼	07/11/11 16:40	07/14/11 05:27	1
Cadmium	0.36		0.11	0.015	mg/Kg	☼	07/11/11 16:40	07/14/11 05:27	1
Chromium	17		0.55	0.047	mg/Kg	☼	07/11/11 16:40	07/14/11 05:27	1
Lead	9.4		0.27	0.13	mg/Kg	☼	07/11/11 16:40	07/14/11 05:27	1
Selenium	<0.55		0.55	0.15	mg/Kg	☼	07/11/11 16:40	07/14/11 05:27	1
Silver	<0.27		0.27	0.034	mg/Kg	☼	07/11/11 16:40	07/14/11 05:27	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		07/15/11 10:30	07/15/11 21:19	1
Barium	0.32	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 21:19	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 21:19	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1220B02 (6-8)

Lab Sample ID: 500-36406-2

Date Collected: 07/07/11 15:35

Matrix: Solid

Date Received: 07/08/11 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 21:19	1
Lead	0.0054	J	0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 21:19	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 21:19	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 21:19	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:51	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.58		0.200	0.200	SU			07/19/11 14:15	1

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Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1220B03 (0-2)

Lab Sample ID: 500-36406-3

Date Collected: 07/07/11 15:55

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.6		4.6	0.50	ug/Kg	☼	07/07/11 15:55	07/12/11 16:22	1
Toluene	<4.6		4.6	0.90	ug/Kg	☼	07/07/11 15:55	07/12/11 16:22	1
Ethylbenzene	<4.6		4.6	0.69	ug/Kg	☼	07/07/11 15:55	07/12/11 16:22	1
Xylenes, Total	<9.2		9.2	0.65	ug/Kg	☼	07/07/11 15:55	07/12/11 16:22	1
Methyl tert-butyl ether	<4.6		4.6	0.69	ug/Kg	☼	07/07/11 15:55	07/12/11 16:22	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		69 - 120	07/07/11 15:55	07/12/11 16:22	1
Toluene-d8 (Surr)	83		69 - 122	07/07/11 15:55	07/12/11 16:22	1
4-Bromofluorobenzene (Surr)	82		67 - 120	07/07/11 15:55	07/12/11 16:22	1
Dibromofluoromethane	82		69 - 120	07/07/11 15:55	07/12/11 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.8	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Acenaphthylene	6.0	J	38	5.9	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Acenaphthene	38		38	7.9	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Fluorene	35	J	38	7.2	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Phenanthrene	680		38	7.4	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Anthracene	180		38	6.9	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Fluoranthene	1600		38	7.0	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Pyrene	1700		38	13	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Benzo[a]anthracene	970		38	8.1	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Chrysene	930		38	12	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Benzo[b]fluoranthene	970		38	7.8	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Benzo[k]fluoranthene	500		38	8.9	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Benzo[a]pyrene	770		38	7.3	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Indeno[1,2,3-cd]pyrene	420		38	9.6	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Dibenz(a,h)anthracene	190		38	9.6	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1
Benzo[g,h,i]perylene	480		38	9.2	ug/Kg	☼	07/13/11 16:27	07/15/11 14:58	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		22 - 110	07/13/11 16:27	07/15/11 14:58	1
2-Fluorobiphenyl	70		27 - 113	07/13/11 16:27	07/15/11 14:58	1
Terphenyl-d14	96		33 - 129	07/13/11 16:27	07/15/11 14:58	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.3		0.56	0.078	mg/Kg	☼	07/11/11 16:40	07/14/11 05:48	1
Barium	52		0.56	0.031	mg/Kg	☼	07/11/11 16:40	07/14/11 05:48	1
Cadmium	0.41		0.11	0.015	mg/Kg	☼	07/11/11 16:40	07/14/11 05:48	1
Chromium	12		0.56	0.047	mg/Kg	☼	07/11/11 16:40	07/14/11 05:48	1
Lead	28		0.28	0.13	mg/Kg	☼	07/11/11 16:40	07/14/11 05:48	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	07/11/11 16:40	07/14/11 05:48	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/11/11 16:40	07/14/11 05:48	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		07/15/11 10:30	07/15/11 23:25	1
Barium	0.59		0.50	0.010	mg/L		07/15/11 10:30	07/15/11 23:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 23:25	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1220B03 (0-2)

Lab Sample ID: 500-36406-3

Date Collected: 07/07/11 15:55

Matrix: Solid

Date Received: 07/08/11 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 23:25	1
Lead	0.0068	J	0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 23:25	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 23:25	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 23:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:22	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.47		0.200	0.200	SU			07/19/11 14:18	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1220B03 (4-6)

Lab Sample ID: 500-36406-4

Date Collected: 07/07/11 16:00

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.9		4.9	0.53	ug/Kg	☼	07/07/11 16:00	07/12/11 16:48	1
Toluene	<4.9		4.9	0.95	ug/Kg	☼	07/07/11 16:00	07/12/11 16:48	1
Ethylbenzene	<4.9		4.9	0.74	ug/Kg	☼	07/07/11 16:00	07/12/11 16:48	1
Xylenes, Total	<9.8		9.8	0.69	ug/Kg	☼	07/07/11 16:00	07/12/11 16:48	1
Methyl tert-butyl ether	<4.9		4.9	0.74	ug/Kg	☼	07/07/11 16:00	07/12/11 16:48	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		69 - 120	07/07/11 16:00	07/12/11 16:48	1
Toluene-d8 (Surr)	88		69 - 122	07/07/11 16:00	07/12/11 16:48	1
4-Bromofluorobenzene (Surr)	83		67 - 120	07/07/11 16:00	07/12/11 16:48	1
Dibromofluoromethane	84		69 - 120	07/07/11 16:00	07/12/11 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<40		40	7.3	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Acenaphthylene	<40		40	6.2	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Acenaphthene	<40		40	8.4	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Fluorene	<40		40	7.7	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Phenanthrene	<40		40	7.9	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Anthracene	<40		40	7.3	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Fluoranthene	<40		40	7.5	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Pyrene	<40		40	14	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Benzo[a]anthracene	<40		40	8.6	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Chrysene	<40		40	13	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Benzo[b]fluoranthene	<40		40	8.3	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Benzo[k]fluoranthene	<40		40	9.4	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Dibenz(a,h)anthracene	<40		40	10	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1
Benzo[g,h,i]perylene	<40		40	9.8	ug/Kg	☼	07/13/11 16:27	07/14/11 21:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		22 - 110	07/13/11 16:27	07/14/11 21:45	1
2-Fluorobiphenyl	76		27 - 113	07/13/11 16:27	07/14/11 21:45	1
Terphenyl-d14	86		33 - 129	07/13/11 16:27	07/14/11 21:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.4		0.61	0.085	mg/Kg	☼	07/11/11 16:40	07/14/11 05:54	1
Barium	65		0.61	0.034	mg/Kg	☼	07/11/11 16:40	07/14/11 05:54	1
Cadmium	0.16		0.12	0.016	mg/Kg	☼	07/11/11 16:40	07/14/11 05:54	1
Chromium	15		0.61	0.052	mg/Kg	☼	07/11/11 16:40	07/14/11 05:54	1
Lead	11		0.30	0.15	mg/Kg	☼	07/11/11 16:40	07/14/11 05:54	1
Selenium	<0.61		0.61	0.17	mg/Kg	☼	07/11/11 16:40	07/14/11 05:54	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	07/11/11 16:40	07/14/11 05:54	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		07/15/11 10:30	07/15/11 23:32	1
Barium	0.46	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 23:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 23:32	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1220B03 (4-6)

Lab Sample ID: 500-36406-4

Date Collected: 07/07/11 16:00

Matrix: Solid

Date Received: 07/08/11 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 23:32	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 23:32	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 23:32	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 23:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:24	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.020	0.0020	mg/Kg	☼	07/14/11 08:50	07/14/11 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.34		0.200	0.200	SU			07/19/11 14:20	1

- 1
- 2
- 3
- 4
- 5
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- 11
- 12
- 13
- 14

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: **500-36406**
 Chain of Custody Number: **EEG-12-11**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.6)(4.1)(3.8)**

Report To: **Dean Teibert**
 Contact: **P-E**
 Company: **33 W. Main St. Suite 550**
 Address: **14.4.4.4, IL 60603**
 Address: **312.578.9243**
 Phone: **312.578.9243**
 Fax: **312.578.9243**
 E-Mail: **dtteibert@me.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# / Reference# _____

Lab ID	MSMSD	Sample ID	Date	Sampling		Matrix	# of Containers	Preservative	Parameter	Total PCBs	Metals	PCB/PAHs	PH/0.5:1.8	Wash	VOC	Comments
				Date	Time											
1		E1220B02(4-6)	7-7-11	1530	2 S	2 S	2	RAH	X	X	X	X	X	X		For Waste
2		E1220B02(6-8)	7-7-11	1535	2 S	2 S	2	BTEX+MTHC	X	X	X	X	X	X		disposal sample
3		E1220B03(0-2)	7-7-11	1555	2 S	2 S	2	X	X	X	X	X	X	X		E1220B01(2-4)
4		E1220B03(4-6)	7-7-11	1600	2 S	2 S	2	X	X	X	X	X	X	X		minus pH and
5		E1220B01(2-4)	7-7-11	1355	1 S	1 S	1	X	X	X	X	X	X	X		Test metals as
6		E1213B01(0-2)	7-8-11	0830	3 S	3 S	3	X	X	X	X	X	X	X		parent sample
7		E1218B01(4-6)	7-8-11	0910	3 S	3 S	3	X	X	X	X	X	X	X		sent to Lab
8		E1215B01(2-4)	7-8-11	0930	3 S	3 S	3	X	X	X	X	X	X	X		on 7-7-11
9		E1219B01(0-2)	7-8-11	1100	3 S	3 S	3	X	X	X	X	X	X	X		

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

Requested Due Date _____

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

Relinquished By: **JRS** Company: **E.E** Date: **7-8-11** Time: **1440**
 Relinquished By: **JRS** Company: **E.E** Date: **7-8-11** Time: **1440**
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: **JRS** Company: **E.E** Date: **7-8-11** Time: **1440**
 Received By: **JRS** Company: **E.E** Date: **7-8-11** Time: **1440**
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: **TA**
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Zebert
 Contract: E-E
 Company: 3D W. Minerals, St. Louis, MO
 Address: Chicago, IL 60603
 Address: 312 578 9213
 Phone: 312 778 9345
 Fax: Atlanta, GA
 E-Mail: atlanta@e-e.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# Reference# _____

Chain of Custody Record

Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-13
 Page: 1 of 1
 Temperature: 0 C of Cooler.

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Containers	Weight	Preservative		Parameter	Comments
								1	2		
13		E1221B02(2-4)	7-8-11	1130	2	5		X	X	VOC	
14		E1221B02(4-6)	7-8-11	1135	2	5		X	X	Total PCB	
15		E1221B02D(4-6)	7-8-11	1135	2	5		X	X	TriP PCB	
16		E1221B01(4-6)	7-8-11	1225	3	5		X	X	Wet PCB	
17		E1221B01(14-16)	7-8-11	1230	2	5		X	X	Wet PCB	
18		E1222B01(2-4)	7-8-11	1200	2	5		X	X	Wet PCB	
19		E1222B01(4-6)	7-8-11	1305	2	5		X	X	Wet PCB	
20		E1222B02(0-2)	7-8-11	1345	3	5		X	X	Wet PCB	
21		E1222B02(4-6)	7-8-11	1350	2	5		X	X	Wet PCB	
22		E1223B01(2-4)	7-8-11	1410	3	5		X	X	Wet PCB	

Preservative Key
 1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/ZA, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

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

Requested Due Date: _____

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

Relinquished By: [Signature] Company: RAE Date: 7-8-11 Time: 1940
 Relinquished By: [Signature] Company: RAE Date: 7-8-11 Time: 1600
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

104 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96085 Longitude: -87.94142
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434145465 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96085 Longitude: -87.94142

Uncontaminated Site 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 E1221B01 was sampled within the construction zone adjacent to ISGS #1583V-21: Midwest Eurosport. Refer to PSI Report for ISGS #1583V-21: Midwest Eurosport including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36406.

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

I, Steven Gobelman (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: Illinois Department of Transportation

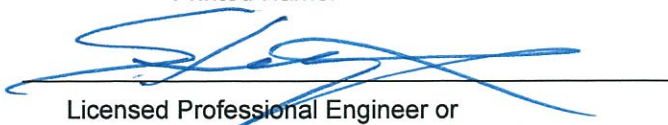
Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

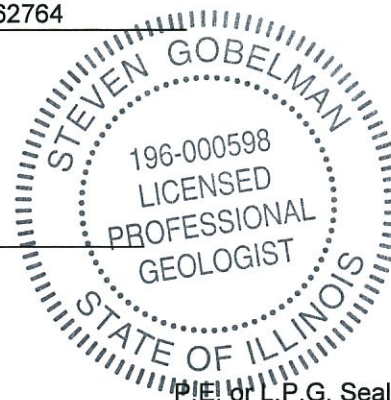
Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/15/15

Date:





Professional Engineer or L.P.G. Seal:

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-21 (Midwest Eurosport)		Comparison Criteria			
	E1221B01		MACs			TACO SCGIER
BORING	E1221B01		Most Stringent	Within an MSA	Within Chicago	
SAMPLE	E1221B01 (4-6)	E1221B01 (14-16)				
MATRIX	Soil	Soil				
DEPTH (m)	1.2-1.8	4.3-4.9				
pH	8.13	7.69				
VOCs (µg/kg)						
Acetone	ND U *	2.9 J *	25,000	--	--	--
SVOCs (µg/kg)						
Acenaphthene	9.9 J	8.4 J	570,000	--	--	--
Anthracene	27 J	10 J	12,000,000	--	--	--
Benzo[a]anthracene	110	64	900	1,800	1,100	--
Benzo[a]pyrene	140 †	62	90	2,100	1,300	--
Benzo[b]fluoranthene	140	78	900	2,100	1,500	--
Benzo[g,h,i]perylene	110	61	2,300,000	--	--	--
Benzo[k]fluoranthene	82	27 J	9,000	--	--	--
Chrysene	160	77	88,000	--	--	--
Dibenzo(a,h)anthracene	42	20 J	90	420	200	--
Fluoranthene	350	150	3,100,000	--	--	--
Fluorene	12 J	15 J	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	96	37 J	900	1,600	900	--
Phenanthrene	180	110	210,000	--	--	--
Pyrene	270	130	2,300,000	--	--	--
Inorganics (mg/kg)						
Arsenic	7.9	6.0	11.3	13	--	0.05
Barium	72	46	1,500	--	--	2
Cadmium	0.29	0.32	5.2	--	--	0.005
Chromium	18	19	21	--	--	0.1
Lead	12	10	107	--	--	0.0075
Mercury	0.026	0.021	0.89	--	--	0.002
TCLP Metals (mg/L)						
Barium	0.52	0.63	1,500	--	--	2
Cadmium	0.0028 J	ND U	5.2	--	--	0.005
Lead	ND U	0.014 L	107	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

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results through
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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1221B01 (4-6)

Lab Sample ID: 500-36406-16

Date Collected: 07/08/11 12:25

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/18/11 22:46	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/18/11 22:46	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/18/11 22:46	20
Chloroform	<0.020		0.020	0.010	mg/L			07/18/11 22:46	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/18/11 22:46	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 22:46	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/18/11 22:46	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/18/11 22:46	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 22:46	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/18/11 22:46	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 124					07/18/11 22:46	20
Toluene-d8 (Surr)	106		80 - 121					07/18/11 22:46	20
4-Bromofluorobenzene (Surr)	101		77 - 112					07/18/11 22:46	20
Dibromofluoromethane	103		78 - 119					07/18/11 22:46	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.1		5.1	0.83	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Vinyl chloride	<5.1		5.1	0.71	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Bromomethane	<5.1		5.1	1.1	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Chloroethane	<5.1		5.1	1.1	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
1,1-Dichloroethene	<5.1		5.1	0.80	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Carbon disulfide	<5.1		5.1	0.72	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Acetone	<5.1	*	5.1	2.5	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
trans-1,2-Dichloroethene	<5.1		5.1	0.72	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Methyl tert-butyl ether	<5.1		5.1	0.76	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
1,1-Dichloroethane	<5.1		5.1	0.80	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
cis-1,2-Dichloroethene	<5.1		5.1	0.74	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Methyl Ethyl Ketone	<5.1		5.1	1.1	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Chloroform	<5.1		5.1	0.93	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
1,1,1-Trichloroethane	<5.1		5.1	0.97	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Carbon tetrachloride	<5.1		5.1	1.1	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Benzene	<5.1		5.1	0.55	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
1,2-Dichloroethane	<5.1		5.1	0.52	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Trichloroethene	<5.1		5.1	0.82	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
1,2-Dichloropropane	<5.1		5.1	1.1	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Bromodichloromethane	<5.1		5.1	0.77	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
cis-1,3-Dichloropropene	<5.1		5.1	0.58	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
methyl isobutyl ketone	<5.1		5.1	0.86	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Toluene	<5.1		5.1	0.98	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
trans-1,3-Dichloropropene	<5.1		5.1	1.1	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
1,1,2-Trichloroethane	<5.1		5.1	0.68	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Tetrachloroethene	<5.1		5.1	0.96	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
2-Hexanone	<5.1		5.1	0.72	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Dibromochloromethane	<5.1		5.1	0.70	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Chlorobenzene	<5.1		5.1	0.80	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1
Ethylbenzene	<5.1		5.1	0.76	ug/Kg	*	07/08/11 12:25	07/13/11 11:53	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1221B01 (4-6)

Lab Sample ID: 500-36406-16

Date Collected: 07/08/11 12:25

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 84.7

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<5.1		5.1	0.64	ug/Kg	☼	07/08/11 12:25	07/13/11 11:53	1
Bromoform	<5.1		5.1	0.82	ug/Kg	☼	07/08/11 12:25	07/13/11 11:53	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	0.69	ug/Kg	☼	07/08/11 12:25	07/13/11 11:53	1
Xylenes, Total	<10		10	0.71	ug/Kg	☼	07/08/11 12:25	07/13/11 11:53	1
1,3-Dichloropropene, Total	<5.1		5.1	0.58	ug/Kg	☼	07/08/11 12:25	07/13/11 11:53	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		69 - 120	07/08/11 12:25	07/13/11 11:53	1
Toluene-d8 (Surr)	101		69 - 122	07/08/11 12:25	07/13/11 11:53	1
4-Bromofluorobenzene (Surr)	100		67 - 120	07/08/11 12:25	07/13/11 11:53	1
Dibromofluoromethane	93		69 - 120	07/08/11 12:25	07/13/11 11:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.9	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Acenaphthene	9.9	J	38	7.9	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Fluorene	12	J	38	7.2	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Phenanthrene	180		38	7.4	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Anthracene	27	J	38	6.9	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Fluoranthene	350		38	7.1	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Pyrene	270		38	13	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Benzo[a]anthracene	110		38	8.1	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Chrysene	160		38	12	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Benzo[b]fluoranthene	140		38	7.8	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Benzo[k]fluoranthene	82		38	8.9	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Benzo[a]pyrene	140		38	7.3	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Indeno[1,2,3-cd]pyrene	96		38	9.6	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Dibenz(a,h)anthracene	42		38	9.6	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1
Benzo[g,h,i]perylene	110		38	9.2	ug/Kg	☼	07/13/11 16:27	07/14/11 23:30	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		22 - 110	07/13/11 16:27	07/14/11 23:30	1
2-Fluorobiphenyl	89		27 - 113	07/13/11 16:27	07/14/11 23:30	1
Terphenyl-d14	86		33 - 129	07/13/11 16:27	07/14/11 23:30	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:30	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:30	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:30	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:30	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:30	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:30	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:30	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 19:30	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 19:30	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 19:30	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:30	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:30	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1221B01 (4-6)

Lab Sample ID: 500-36406-16

Date Collected: 07/08/11 12:25

Matrix: Solid

Date Received: 07/08/11 16:00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	29		20 - 100	07/18/11 01:50	07/18/11 19:30	1
Phenol-d5	21		20 - 100	07/18/11 01:50	07/18/11 19:30	1
Nitrobenzene-d5	49		39 - 110	07/18/11 01:50	07/18/11 19:30	1
2-Fluorobiphenyl	55		44 - 110	07/18/11 01:50	07/18/11 19:30	1
2,4,6-Tribromophenol	86		46 - 126	07/18/11 01:50	07/18/11 19:30	1
Terphenyl-d14	83		52 - 131	07/18/11 01:50	07/18/11 19:30	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 18:14	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:14	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:14	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:14	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:14	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 18:14	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 18:14	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		36 - 126	07/15/11 11:55	07/18/11 18:14	1
Tetrachloro-m-xylene	87		42 - 120	07/15/11 11:55	07/18/11 18:14	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.7	ug/Kg	*	07/12/11 19:17	07/14/11 16:16	1
PCB-1221	<20		20	7.4	ug/Kg	*	07/12/11 19:17	07/14/11 16:16	1
PCB-1232	<20		20	6.8	ug/Kg	*	07/12/11 19:17	07/14/11 16:16	1
PCB-1242	<20		20	6.0	ug/Kg	*	07/12/11 19:17	07/14/11 16:16	1
PCB-1248	<20		20	6.7	ug/Kg	*	07/12/11 19:17	07/14/11 16:16	1
PCB-1254	<20		20	6.1	ug/Kg	*	07/12/11 19:17	07/14/11 16:16	1
PCB-1260	<20		20	6.4	ug/Kg	*	07/12/11 19:17	07/14/11 16:16	1
Polychlorinated biphenyls, Total	<20		20	4.7	ug/Kg	*	07/12/11 19:17	07/14/11 16:16	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		28 - 124	07/12/11 19:17	07/14/11 16:16	1
DCB Decachlorobiphenyl	86		38 - 130	07/12/11 19:17	07/14/11 16:16	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 10:19	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 10:19	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	84		30 - 110	07/15/11 11:13	07/18/11 10:19	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.9		0.55	0.078	mg/Kg	*	07/11/11 16:40	07/14/11 07:46	1
Barium	72		0.55	0.031	mg/Kg	*	07/11/11 16:40	07/14/11 07:46	1
Cadmium	0.29		0.11	0.015	mg/Kg	*	07/11/11 16:40	07/14/11 07:46	1
Chromium	18		0.55	0.047	mg/Kg	*	07/11/11 16:40	07/14/11 07:46	1
Lead	12		0.28	0.13	mg/Kg	*	07/11/11 16:40	07/14/11 07:46	1
Selenium	<0.55		0.55	0.16	mg/Kg	*	07/11/11 16:40	07/14/11 07:46	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1221B01 (4-6)

Lab Sample ID: 500-36406-16

Date Collected: 07/08/11 12:25

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/11/11 16:40	07/14/11 07:46	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		07/15/11 10:30	07/15/11 21:50	1
Barium	0.52		0.50	0.010	mg/L		07/15/11 10:30	07/15/11 21:50	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 21:50	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 21:50	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 21:50	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 21:50	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 21:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:56	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 12:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176		NONE	NONE	Degrees F			07/14/11 14:25	1
Sulfide, Reactive	<48		48	5.6	mg/Kg		07/14/11 09:57	07/14/11 12:42	1
Cyanide, Reactive	<0.47		0.47	0.12	mg/Kg		07/12/11 18:00	07/12/11 20:57	1
pH	8.13		0.200	0.200	SU			07/19/11 14:52	1
Paint Filter	pass				mL/100g			07/14/11 15:45	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1221B01 (14-16)

Lab Sample ID: 500-36406-17

Date Collected: 07/08/11 12:30

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 83.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.5		4.5	0.74	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Vinyl chloride	<4.5		4.5	0.63	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Bromomethane	<4.5		4.5	0.96	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Chloroethane	<4.5		4.5	0.94	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
1,1-Dichloroethene	<4.5		4.5	0.71	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Carbon disulfide	<4.5		4.5	0.64	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Acetone	2.9	J *	4.5	2.2	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Methylene Chloride	<4.5		4.5	1.3	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
trans-1,2-Dichloroethene	<4.5		4.5	0.64	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Methyl tert-butyl ether	<4.5		4.5	0.67	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
1,1-Dichloroethane	<4.5		4.5	0.71	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
cis-1,2-Dichloroethene	<4.5		4.5	0.65	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Methyl Ethyl Ketone	<4.5		4.5	0.97	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Chloroform	<4.5		4.5	0.83	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
1,1,1-Trichloroethane	<4.5		4.5	0.86	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Carbon tetrachloride	<4.5		4.5	0.98	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Benzene	<4.5		4.5	0.48	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
1,2-Dichloroethane	<4.5		4.5	0.46	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Trichloroethene	<4.5		4.5	0.73	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
1,2-Dichloropropane	<4.5		4.5	1.0	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Bromodichloromethane	<4.5		4.5	0.68	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
cis-1,3-Dichloropropene	<4.5		4.5	0.51	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
methyl isobutyl ketone	<4.5		4.5	0.76	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Toluene	<4.5		4.5	0.87	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
trans-1,3-Dichloropropene	<4.5		4.5	1.0	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
1,1,2-Trichloroethane	<4.5		4.5	0.60	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Tetrachloroethene	<4.5		4.5	0.85	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
2-Hexanone	<4.5		4.5	0.64	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Dibromochloromethane	<4.5		4.5	0.62	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Chlorobenzene	<4.5		4.5	0.71	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Ethylbenzene	<4.5		4.5	0.67	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Styrene	<4.5		4.5	0.57	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Bromoform	<4.5		4.5	0.73	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
1,1,2,2-Tetrachloroethane	<4.5		4.5	0.61	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
Xylenes, Total	<9.0		9.0	0.63	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1
1,3-Dichloropropene, Total	<4.5		4.5	0.51	ug/Kg	☼	07/08/11 12:30	07/13/11 12:19	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		69 - 120	07/08/11 12:30	07/13/11 12:19	1
Toluene-d8 (Surr)	94		69 - 122	07/08/11 12:30	07/13/11 12:19	1
4-Bromofluorobenzene (Surr)	89		67 - 120	07/08/11 12:30	07/13/11 12:19	1
Dibromofluoromethane	88		69 - 120	07/08/11 12:30	07/13/11 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.9	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Acenaphthene	8.4	J	38	7.9	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Fluorene	15	J	38	7.2	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Phenanthrene	110		38	7.4	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1221B01 (14-16)

Lab Sample ID: 500-36406-17

Date Collected: 07/08/11 12:30

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 83.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	10	J	38	6.9	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Fluoranthene	150		38	7.1	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Pyrene	130		38	13	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Benzo[a]anthracene	64		38	8.1	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Chrysene	77		38	12	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Benzo[b]fluoranthene	78		38	7.8	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Benzo[k]fluoranthene	27	J	38	8.9	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Benzo[a]pyrene	62		38	7.3	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Indeno[1,2,3-cd]pyrene	37	J	38	9.6	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Dibenz[a,h]anthracene	20	J	38	9.6	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Benzo[g,h,i]perylene	61		38	9.2	ug/Kg	☼	07/13/11 16:27	07/15/11 17:44	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		22 - 110				07/13/11 16:27	07/15/11 17:44	1
2-Fluorobiphenyl	77		27 - 113				07/13/11 16:27	07/15/11 17:44	1
Terphenyl-d14	85		33 - 129				07/13/11 16:27	07/15/11 17:44	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.0		0.55	0.078	mg/Kg	☼	07/11/11 17:30	07/14/11 02:03	1
Barium	46		0.55	0.031	mg/Kg	☼	07/11/11 17:30	07/14/11 02:03	1
Cadmium	0.32		0.11	0.015	mg/Kg	☼	07/11/11 17:30	07/14/11 02:03	1
Chromium	19		0.55	0.047	mg/Kg	☼	07/11/11 17:30	07/14/11 02:03	1
Lead	10		0.28	0.13	mg/Kg	☼	07/11/11 17:30	07/14/11 02:03	1
Selenium	<0.55		0.55	0.16	mg/Kg	☼	07/11/11 17:30	07/14/11 02:03	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/11/11 17:30	07/14/11 02:03	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		07/15/11 10:30	07/15/11 21:56	1
Barium	0.63		0.50	0.010	mg/L		07/15/11 10:30	07/15/11 21:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 21:56	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 21:56	1
Lead	0.014		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 21:56	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 21:56	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 21:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 11:00	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0018	mg/Kg	☼	07/14/11 08:50	07/14/11 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.69		0.200	0.200	SU			07/19/11 14:55	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: **500-36406**
 Chain of Custody Number: **EEG-12-11**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.6)(4.1)(3.8)**

Report To: **Dean Teibert**
 Contact: **P-E**
 Company: **33 W. Main St. Suite 550**
 Address: **14.4.4.4, IL 60603**
 Address: **312.578.9243**
 Phone: **312.578.9243**
 Fax: **312.578.9243**
 E-Mail: **dtteibert@me.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# / Reference# _____

Lab ID	MSMSD	Sample ID	Date	Sampling		Matrix	Preservative	Parameter	Total PCBs	Metals	PCB/PAH	BTEX+MTHC	PAH	Wash Disposal	VOC	Comments
				Date	Time											
1		E1220B02(4-6)	7-7-11	1530	2 S				X	X	X	X	X			For Waste
2		E1220B02(6-8)	7-7-11	1535	2 S				X	X	X	X	X			disposal sample
3		E1220B03(0-2)	7-7-11	1555	2 S				X	X	X	X	X			E1220B01(2-4)
4		E1220B03(4-6)	7-7-11	1600	2 S				X	X	X	X	X			minus pH and
5		E1220B01(2-4)	7-7-11	1355	1 S				X	X	X	X	X			Test metals as
6		E1213B01(0-2)	7-8-11	0830	3 S				X	X	X	X	X			parent sample
7		E1218B01(4-6)	7-8-11	0910	3 S				X	X	X	X	X			sent to Lab
8		E1215B01(2-4)	7-8-11	0930	3 S				X	X	X	X	X			on 7-7-11
9		E1219B01(0-2)	7-8-11	1100	3 S				X	X	X	X	X			

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

Requested Due Date _____

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

Relinquished By: **JRS** Company: **E.E** Date: **7-8-11** Time: **1440**
 Relinquished By: **JRS** Company: **E.E** Date: **7-8-11** Time: **1600**
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: **JRS** Company: **TA** Date: **7-8-11** Time: **1600**
 Received By: **JRS** Company: **TA** Date: **7-8-11** Time: **1600**
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: **TA**
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Dean Tibert
 Contact: E.E
 Company: 336 Newark St Suite 550
 Address: Chicago IL 60603
 Address: 712 57th 92nd
 Phone: 312-576-9343
 Fax: 312-576-9343
 E-Mail: dtibert@me.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 POW/Reference# _____

Chain of Custody Record
 Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-12
 Page 1 of 1
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	# of Containers	Preservative	Sampling		Comments
								Date	Time	
10		E1216B01 (2-4)	7-8-11	0945	S	3				Voc
11		E1217B01 (2-4)	7-8-11	1020	S	2				P.P. multi + B4
12		E1217B01 (4-6)	7-8-11	1025	S	3				P.P. multi + B4
										Waste disposal

Client: Ecology - Environmental
 Client Project #: 3133 VI 12-01
 Project Name: Irving Park Road (FL 19)
 Lab Project #: 5672
 Project Location/State: DuPage County, IL
 Lab PM: Scott Cooper
 Samples: Soil

Preservative Key
 1. HCl, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

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

Requested Due Date _____

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

Archived for _____ Months

Received By: [Signature] Date: 7-5-11 Time: 1440
 Company: TA

Received By: [Signature] Date: 7-8-11 Time: 1600
 Company: TA

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Zebert
 Contract: E-E
 Company: 3D W. Minerals, St. Louis, MO
 Address: Chicago, IL 60603
 Address: 312 578 9213
 Phone: 312 778 9345
 Fax: 312 778 9345
 E-Mail: dz@3dminerals.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# Reference# _____

Chain of Custody Record
 Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-13
 Page: 1 of 1
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Containers	Preservative	Parameter	VOC	PAH	Total PCBs	Mire PCBs	Pth/MSD	Work Dupes	Comments	Preservative Key
13		E1221B02(2-4)	7-8-11	1130	2	5			X	X	X	X	X			1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/ZA, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
14		E1221B02(4-6)	7-8-11	1135	2	5			X	X	X	X	X			
15		E1221B02D(4-6)	7-8-11	1135	2	5			X	X	X	X	X			
16		E1221B01(4-6)	7-8-11	1225	3	5			X	X	X	X	X			
17		E1221B01(14-16)	7-8-11	1230	2	5			X	X	X	X	X			
18		E1222B01(2-4)	7-8-11	1200	2	5			X	X	X	X	X			
19		E1222B01(4-6)	7-8-11	1305	2	5			X	X	X	X	X			
20		E1222B02(0-2)	7-8-11	1345	3	5			X	X	X	X	X			
21		E1222B02(4-6)	7-8-11	1350	2	5			X	X	X	X	X			
22		E1223B01(2-4)	7-8-11	1410	3	5			X	X	X	X	X			

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

Requested Due Date: _____

Resubmitted By: [Signature] Company: RAE Date: 7-8-11 Time: 1940

Resubmitted By: [Signature] Company: RAE Date: 7-8-11 Time: 1600

Resubmitted By: _____ Company: _____ Date: _____ Time: _____

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

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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

Page 141 of 142

TAL-4124-500 (1/09) 07/19/2011



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

10 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96083 Longitude: -87.94082
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434140044 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96083 Longitude: -87.94082

Uncontaminated Site 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 E1222B01 and E1222B02 were sampled within the construction zone adjacent to ISGS #1583V-22: Jim's Towing. Refer to PSI Report for ISGS #1583V-22: Jim's Towing including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36406.

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

I, Steven Gobelman (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: Illinois Department of Transportation


Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15

Date:





Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-22 (Jim's Towing)				Comparison Criteria			
	E1222B01		E1222B02		Most Stringent	Within an MSA	Within Chicago	TACO SCGIER
BORING	E1222B01 (2-4)		E1222B02 (0-2)		E1222B02 (4-6)			
SAMPLE	Soil		Soil		Soil			
MATRIX	0.6-1.2		0.0-0.6		1.2-1.8			
DEPTH (m)	7.79		8.62		8.28			
pH	7.79		8.62		8.28			
VOCs (µg/kg)	4.9 J *	16 *	5.0 *	ND U *	25,000	--	--	--
SVOCs (µg/kg)								
Acenaphthene	ND U	36 J	ND U	ND U	570,000	--	--	--
Anthracene	ND U	120	26 J	ND U	12,000,000	--	--	--
Benzo[a]anthracene	15 J	490	230	34 J	900	1,800	1,100	--
Benzo[a]pyrene	16 J	460 †	250 †	47	90	2,100	1,300	--
Benzo[b]fluoranthene	22 J	650	350	52	900	2,100	1,500	--
Benzo[g,h,i]perylene	20 J	370	200	45	2,300,000	--	--	--
Benzo[k]fluoranthene	ND U	190	120	42	9,000	--	--	--
Chrysene	17 J	540	250	52	88,000	--	--	--
Dibenzo(a,h)anthracene	ND U	150 †	35 J	16 J	90	420	200	--
Fluoranthene	20 J	960	440	70	3,100,000	--	--	--
Fluorene	ND U	45	ND U	ND U	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	16 J	310	180	39	900	1,600	900	--
Naphthalene	ND U	16 J	ND U	ND U	1,800	--	--	--
Phenanthrene	9.3 J	670	150	26 J	210,000	--	--	--
Pyrene	21 J	920	400	67	2,300,000	--	--	--
Inorganics (mg/kg)								
Arsenic	7.2	7.2	6.2	5.9	11.3	13	--	0.05
Barium	62	69	63	42	1,500	--	--	2
Cadmium	0.35	2.2	0.38	0.30	5.2	--	--	0.005
Chromium	22 †	17	20	18	21	--	--	0.1
Lead	14	96	16	11	107	--	--	0.0075
Mercury	0.028	0.17	0.023	0.023	0.89	--	--	0.002
TCLP Metals (mg/L)								
Barium	0.43 J	0.45 J	0.43 J	0.33 J	1,500	--	--	2
Cadmium	ND U	0.0085 L	0.0036 J	0.0026 J	5.2	--	--	0.005
Lead	ND U	0.027 L	ND U	ND U	107	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B01 (2-4)

Lab Sample ID: 500-36406-18

Date Collected: 07/08/11 13:00

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 77.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.1		5.1	0.83	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Vinyl chloride	<5.1		5.1	0.71	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Bromomethane	<5.1		5.1	1.1	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Chloroethane	<5.1		5.1	1.1	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
1,1-Dichloroethene	<5.1		5.1	0.80	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Carbon disulfide	<5.1		5.1	0.72	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Acetone	4.9	J *	5.1	2.5	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
trans-1,2-Dichloroethene	<5.1		5.1	0.72	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Methyl tert-butyl ether	<5.1		5.1	0.76	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
1,1-Dichloroethane	<5.1		5.1	0.80	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
cis-1,2-Dichloroethene	<5.1		5.1	0.74	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Methyl Ethyl Ketone	<5.1		5.1	1.1	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Chloroform	<5.1		5.1	0.93	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
1,1,1-Trichloroethane	<5.1		5.1	0.98	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Carbon tetrachloride	<5.1		5.1	1.1	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Benzene	<5.1		5.1	0.55	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
1,2-Dichloroethane	<5.1		5.1	0.52	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Trichloroethene	<5.1		5.1	0.82	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
1,2-Dichloropropane	<5.1		5.1	1.1	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Bromodichloromethane	<5.1		5.1	0.77	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
cis-1,3-Dichloropropene	<5.1		5.1	0.58	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
methyl isobutyl ketone	<5.1		5.1	0.86	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Toluene	<5.1		5.1	0.99	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
trans-1,3-Dichloropropene	<5.1		5.1	1.1	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
1,1,2-Trichloroethane	<5.1		5.1	0.68	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Tetrachloroethene	<5.1		5.1	0.97	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
2-Hexanone	<5.1		5.1	0.72	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Dibromochloromethane	<5.1		5.1	0.70	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Chlorobenzene	<5.1		5.1	0.80	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Ethylbenzene	<5.1		5.1	0.76	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Styrene	<5.1		5.1	0.64	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Bromoform	<5.1		5.1	0.82	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	0.69	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
Xylenes, Total	<10		10	0.71	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1
1,3-Dichloropropene, Total	<5.1		5.1	0.58	ug/Kg	*	07/08/11 13:00	07/13/11 12:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		69 - 120	07/08/11 13:00	07/13/11 12:45	1
Toluene-d8 (Surr)	100		69 - 122	07/08/11 13:00	07/13/11 12:45	1
4-Bromofluorobenzene (Surr)	97		67 - 120	07/08/11 13:00	07/13/11 12:45	1
Dibromofluoromethane	92		69 - 120	07/08/11 13:00	07/13/11 12:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<40		40	7.3	ug/Kg	*	07/13/11 16:27	07/15/11 18:05	1
Acenaphthylene	<40		40	6.3	ug/Kg	*	07/13/11 16:27	07/15/11 18:05	1
Acenaphthene	<40		40	8.5	ug/Kg	*	07/13/11 16:27	07/15/11 18:05	1
Fluorene	<40		40	7.7	ug/Kg	*	07/13/11 16:27	07/15/11 18:05	1
Phenanthrene	9.3	J	40	8.0	ug/Kg	*	07/13/11 16:27	07/15/11 18:05	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B01 (2-4)

Lab Sample ID: 500-36406-18

Date Collected: 07/08/11 13:00

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 77.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<40		40	7.4	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Fluoranthene	20	J	40	7.5	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Pyrene	21	J	40	14	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Benzo[a]anthracene	15	J	40	8.7	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Chrysene	17	J	40	13	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Benzo[b]fluoranthene	22	J	40	8.4	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Benzo[k]fluoranthene	<40		40	9.5	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Benzo[a]pyrene	16	J	40	7.8	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Indeno[1,2,3-cd]pyrene	16	J	40	10	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Dibenz(a,h)anthracene	<40		40	10	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Benzo[g,h,i]perylene	20	J	40	9.9	ug/Kg	☼	07/13/11 16:27	07/15/11 18:05	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		22 - 110				07/13/11 16:27	07/15/11 18:05	1
2-Fluorobiphenyl	64		27 - 113				07/13/11 16:27	07/15/11 18:05	1
Terphenyl-d14	81		33 - 129				07/13/11 16:27	07/15/11 18:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2		0.59	0.083	mg/Kg	☼	07/11/11 17:30	07/14/11 02:09	1
Barium	62		0.59	0.033	mg/Kg	☼	07/11/11 17:30	07/14/11 02:09	1
Cadmium	0.35		0.12	0.016	mg/Kg	☼	07/11/11 17:30	07/14/11 02:09	1
Chromium	22		0.59	0.050	mg/Kg	☼	07/11/11 17:30	07/14/11 02:09	1
Lead	14		0.30	0.14	mg/Kg	☼	07/11/11 17:30	07/14/11 02:09	1
Selenium	<0.59		0.59	0.17	mg/Kg	☼	07/11/11 17:30	07/14/11 02:09	1
Silver	<0.30		0.30	0.037	mg/Kg	☼	07/11/11 17:30	07/14/11 02:09	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		07/15/11 10:30	07/16/11 01:22	1
Barium	0.43	J	0.50	0.010	mg/L		07/15/11 10:30	07/16/11 01:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/16/11 01:22	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/16/11 01:22	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/16/11 01:22	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/16/11 01:22	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/16/11 01:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:58	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.020	0.0020	mg/Kg	☼	07/14/11 08:50	07/14/11 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.79		0.200	0.200	SU			07/19/11 14:58	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B01 (4-6)

Lab Sample ID: 500-36406-19

Date Collected: 07/08/11 13:05

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 77.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.9		4.9	0.81	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Vinyl chloride	<4.9		4.9	0.69	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Bromomethane	<4.9		4.9	1.1	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Chloroethane	<4.9		4.9	1.0	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
1,1-Dichloroethene	<4.9		4.9	0.78	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Carbon disulfide	<4.9		4.9	0.70	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Acetone	16	*	4.9	2.4	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Methylene Chloride	<4.9		4.9	1.4	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
trans-1,2-Dichloroethene	<4.9		4.9	0.70	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Methyl tert-butyl ether	<4.9		4.9	0.74	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
1,1-Dichloroethane	<4.9		4.9	0.78	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
cis-1,2-Dichloroethene	<4.9		4.9	0.72	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Methyl Ethyl Ketone	<4.9		4.9	1.1	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Chloroform	<4.9		4.9	0.91	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
1,1,1-Trichloroethane	<4.9		4.9	0.95	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Carbon tetrachloride	<4.9		4.9	1.1	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Benzene	<4.9		4.9	0.53	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
1,2-Dichloroethane	<4.9		4.9	0.50	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Trichloroethene	<4.9		4.9	0.80	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
1,2-Dichloropropane	<4.9		4.9	1.1	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Bromodichloromethane	<4.9		4.9	0.75	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
cis-1,3-Dichloropropene	<4.9		4.9	0.56	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
methyl isobutyl ketone	<4.9		4.9	0.84	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Toluene	<4.9		4.9	0.96	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
trans-1,3-Dichloropropene	<4.9		4.9	1.1	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
1,1,2-Trichloroethane	<4.9		4.9	0.66	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Tetrachloroethene	<4.9		4.9	0.94	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
2-Hexanone	<4.9		4.9	0.70	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Dibromochloromethane	<4.9		4.9	0.68	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Chlorobenzene	<4.9		4.9	0.78	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Ethylbenzene	<4.9		4.9	0.74	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Styrene	<4.9		4.9	0.62	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Bromoform	<4.9		4.9	0.80	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
1,1,2,2-Tetrachloroethane	<4.9		4.9	0.67	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
Xylenes, Total	<9.9		9.9	0.69	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1
1,3-Dichloropropene, Total	<4.9		4.9	0.56	ug/Kg	☼	07/08/11 13:05	07/13/11 13:10	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		69 - 120	07/08/11 13:05	07/13/11 13:10	1
Toluene-d8 (Surr)	94		69 - 122	07/08/11 13:05	07/13/11 13:10	1
4-Bromofluorobenzene (Surr)	92		67 - 120	07/08/11 13:05	07/13/11 13:10	1
Dibromofluoromethane	90		69 - 120	07/08/11 13:05	07/13/11 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	16	J	40	7.3	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Acenaphthylene	<40		40	6.2	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Acenaphthene	36	J	40	8.4	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Fluorene	45		40	7.7	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Phenanthrene	670		40	7.9	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B01 (4-6)

Lab Sample ID: 500-36406-19

Date Collected: 07/08/11 13:05

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	120		40	7.3	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Fluoranthene	960		40	7.5	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Pyrene	920		40	14	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Benzo[a]anthracene	490		40	8.6	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Chrysene	540		40	13	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Benzo[b]fluoranthene	650		40	8.3	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Benzo[k]fluoranthene	190		40	9.4	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Benzo[a]pyrene	460		40	7.7	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Indeno[1,2,3-cd]pyrene	310		40	10	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Dibenz(a,h)anthracene	150		40	10	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Benzo[g,h,i]perylene	370		40	9.8	ug/Kg	☼	07/13/11 16:27	07/15/11 18:26	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		22 - 110				07/13/11 16:27	07/15/11 18:26	1
2-Fluorobiphenyl	74		27 - 113				07/13/11 16:27	07/15/11 18:26	1
Terphenyl-d14	89		33 - 129				07/13/11 16:27	07/15/11 18:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2		0.61	0.086	mg/Kg	☼	07/11/11 17:30	07/14/11 02:16	1
Barium	69		0.61	0.034	mg/Kg	☼	07/11/11 17:30	07/14/11 02:16	1
Cadmium	2.2		0.12	0.017	mg/Kg	☼	07/11/11 17:30	07/14/11 02:16	1
Chromium	17		0.61	0.052	mg/Kg	☼	07/11/11 17:30	07/14/11 02:16	1
Lead	96		0.31	0.15	mg/Kg	☼	07/11/11 17:30	07/14/11 02:16	1
Selenium	<0.61		0.61	0.17	mg/Kg	☼	07/11/11 17:30	07/14/11 02:16	1
Silver	<0.31		0.31	0.039	mg/Kg	☼	07/11/11 17:30	07/14/11 02:16	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		07/15/11 10:30	07/16/11 01:28	1
Barium	0.45	J	0.50	0.010	mg/L		07/15/11 10:30	07/16/11 01:28	1
Cadmium	0.0085		0.0050	0.0020	mg/L		07/15/11 10:30	07/16/11 01:28	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/16/11 01:28	1
Lead	0.027		0.0075	0.0050	mg/L		07/15/11 10:30	07/16/11 01:28	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/16/11 01:28	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/16/11 01:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:00	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.019	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.00		0.200	0.200	SU			07/19/11 15:00	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B02 (0-2)

Lab Sample ID: 500-36406-20

Date Collected: 07/08/11 13:45

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/18/11 23:09	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/18/11 23:09	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/18/11 23:09	20
Chloroform	<0.020		0.020	0.010	mg/L			07/18/11 23:09	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/18/11 23:09	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 23:09	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/18/11 23:09	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/18/11 23:09	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 23:09	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/18/11 23:09	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 124					07/18/11 23:09	20
Toluene-d8 (Surr)	100		80 - 121					07/18/11 23:09	20
4-Bromofluorobenzene (Surr)	103		77 - 112					07/18/11 23:09	20
Dibromofluoromethane	102		78 - 119					07/18/11 23:09	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.5		4.5	0.74	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Vinyl chloride	<4.5		4.5	0.63	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Bromomethane	<4.5		4.5	0.96	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Chloroethane	<4.5		4.5	0.94	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
1,1-Dichloroethene	<4.5		4.5	0.71	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Carbon disulfide	<4.5		4.5	0.64	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Acetone	5.0 *		4.5	2.2	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Methylene Chloride	<4.5		4.5	1.3	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
trans-1,2-Dichloroethene	<4.5		4.5	0.64	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Methyl tert-butyl ether	<4.5		4.5	0.67	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
1,1-Dichloroethane	<4.5		4.5	0.71	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
cis-1,2-Dichloroethene	<4.5		4.5	0.66	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Methyl Ethyl Ketone	<4.5		4.5	0.97	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Chloroform	<4.5		4.5	0.83	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
1,1,1-Trichloroethane	<4.5		4.5	0.86	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Carbon tetrachloride	<4.5		4.5	0.98	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Benzene	<4.5		4.5	0.49	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
1,2-Dichloroethane	<4.5		4.5	0.46	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Trichloroethene	<4.5		4.5	0.73	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
1,2-Dichloropropane	<4.5		4.5	1.0	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Bromodichloromethane	<4.5		4.5	0.68	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
cis-1,3-Dichloropropene	<4.5		4.5	0.51	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
methyl isobutyl ketone	<4.5		4.5	0.76	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Toluene	<4.5		4.5	0.87	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
trans-1,3-Dichloropropene	<4.5		4.5	1.0	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
1,1,2-Trichloroethane	<4.5		4.5	0.60	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Tetrachloroethene	<4.5		4.5	0.85	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
2-Hexanone	<4.5		4.5	0.64	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Dibromochloromethane	<4.5		4.5	0.62	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Chlorobenzene	<4.5		4.5	0.71	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Ethylbenzene	<4.5		4.5	0.67	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B02 (0-2)

Lab Sample ID: 500-36406-20

Date Collected: 07/08/11 13:45

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 84.7

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.5		4.5	0.57	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Bromoform	<4.5		4.5	0.73	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
1,1,2,2-Tetrachloroethane	<4.5		4.5	0.61	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
Xylenes, Total	<9.0		9.0	0.63	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1
1,3-Dichloropropene, Total	<4.5		4.5	0.51	ug/Kg	☼	07/08/11 13:45	07/13/11 13:36	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		69 - 120	07/08/11 13:45	07/13/11 13:36	1
Toluene-d8 (Surr)	89		69 - 122	07/08/11 13:45	07/13/11 13:36	1
4-Bromofluorobenzene (Surr)	87		67 - 120	07/08/11 13:45	07/13/11 13:36	1
Dibromofluoromethane	85		69 - 120	07/08/11 13:45	07/13/11 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.1	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Acenaphthylene	<39		39	6.1	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Acenaphthene	<39		39	8.2	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Fluorene	<39		39	7.5	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Phenanthrene	150		39	7.7	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Anthracene	26 J		39	7.2	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Fluoranthene	440		39	7.3	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Pyrene	400		39	13	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Benzo[a]anthracene	230		39	8.4	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Chrysene	250		39	12	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Benzo[b]fluoranthene	350		39	8.1	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Benzo[k]fluoranthene	120		39	9.2	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Benzo[a]pyrene	250		39	7.5	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Indeno[1,2,3-cd]pyrene	180		39	10	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Dibenz(a,h)anthracene	35 J		39	9.9	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1
Benzo[g,h,i]perylene	200		39	9.5	ug/Kg	☼	07/13/11 16:27	07/15/11 18:47	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	46		22 - 110	07/13/11 16:27	07/15/11 18:47	1
2-Fluorobiphenyl	46		27 - 113	07/13/11 16:27	07/15/11 18:47	1
Terphenyl-d14	65		33 - 129	07/13/11 16:27	07/15/11 18:47	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:52	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:52	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:52	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:52	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:52	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:52	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:52	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 19:52	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 19:52	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 19:52	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:52	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 19:52	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B02 (0-2)

Lab Sample ID: 500-36406-20

Date Collected: 07/08/11 13:45

Matrix: Solid

Date Received: 07/08/11 16:00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	41		20 - 100	07/18/11 01:50	07/18/11 19:52	1
Phenol-d5	26		20 - 100	07/18/11 01:50	07/18/11 19:52	1
Nitrobenzene-d5	71		39 - 110	07/18/11 01:50	07/18/11 19:52	1
2-Fluorobiphenyl	72		44 - 110	07/18/11 01:50	07/18/11 19:52	1
2,4,6-Tribromophenol	91		46 - 126	07/18/11 01:50	07/18/11 19:52	1
Terphenyl-d14	94		52 - 131	07/18/11 01:50	07/18/11 19:52	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 18:35	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:35	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:35	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:35	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:35	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 18:35	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 18:35	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		36 - 126	07/15/11 11:55	07/18/11 18:35	1
Tetrachloro-m-xylene	83		42 - 120	07/15/11 11:55	07/18/11 18:35	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.5	ug/Kg	⊛	07/12/11 19:17	07/14/11 16:30	1
PCB-1221	<19		19	7.1	ug/Kg	⊛	07/12/11 19:17	07/14/11 16:30	1
PCB-1232	<19		19	6.5	ug/Kg	⊛	07/12/11 19:17	07/14/11 16:30	1
PCB-1242	<19		19	5.7	ug/Kg	⊛	07/12/11 19:17	07/14/11 16:30	1
PCB-1248	<19		19	6.4	ug/Kg	⊛	07/12/11 19:17	07/14/11 16:30	1
PCB-1254	<19		19	5.8	ug/Kg	⊛	07/12/11 19:17	07/14/11 16:30	1
PCB-1260	<19		19	6.0	ug/Kg	⊛	07/12/11 19:17	07/14/11 16:30	1
Polychlorinated biphenyls, Total	<19		19	4.5	ug/Kg	⊛	07/12/11 19:17	07/14/11 16:30	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68		28 - 124	07/12/11 19:17	07/14/11 16:30	1
DCB Decachlorobiphenyl	100		38 - 130	07/12/11 19:17	07/14/11 16:30	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 10:41	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 10:41	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	74		30 - 110	07/15/11 11:13	07/18/11 10:41	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.2		0.58	0.081	mg/Kg	⊛	07/11/11 17:30	07/14/11 02:22	1
Barium	63		0.58	0.032	mg/Kg	⊛	07/11/11 17:30	07/14/11 02:22	1
Cadmium	0.38		0.12	0.016	mg/Kg	⊛	07/11/11 17:30	07/14/11 02:22	1
Chromium	20		0.58	0.049	mg/Kg	⊛	07/11/11 17:30	07/14/11 02:22	1
Lead	16		0.29	0.14	mg/Kg	⊛	07/11/11 17:30	07/14/11 02:22	1
Selenium	<0.58		0.58	0.16	mg/Kg	⊛	07/11/11 17:30	07/14/11 02:22	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B02 (0-2)

Lab Sample ID: 500-36406-20

Date Collected: 07/08/11 13:45

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.29		0.29	0.036	mg/Kg	☼	07/11/11 17:30	07/14/11 02:22	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		07/15/11 10:30	07/15/11 22:03	1
Barium	0.43	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 22:03	1
Cadmium	0.0036	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 22:03	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 22:03	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 22:03	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 22:03	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 22:03	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 11:08	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176		NONE	NONE	Degrees F			07/14/11 15:50	1
Sulfide, Reactive	<44		44	5.1	mg/Kg		07/14/11 10:01	07/14/11 12:43	1
Cyanide, Reactive	<0.31		0.31	0.079	mg/Kg		07/12/11 18:00	07/12/11 20:57	1
pH	8.62		0.200	0.200	SU			07/19/11 15:03	1
Paint Filter	pass				mL/100g			07/14/11 15:30	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B02 (4-6)

Lab Sample ID: 500-36406-21

Date Collected: 07/08/11 13:50

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 85.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.3		4.3	0.71	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Vinyl chloride	<4.3		4.3	0.61	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Bromomethane	<4.3		4.3	0.93	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Chloroethane	<4.3		4.3	0.91	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
1,1-Dichloroethene	<4.3		4.3	0.68	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Carbon disulfide	<4.3		4.3	0.62	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Acetone	<4.3	*	4.3	2.1	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Methylene Chloride	<4.3		4.3	1.2	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
trans-1,2-Dichloroethene	<4.3		4.3	0.62	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Methyl tert-butyl ether	<4.3		4.3	0.65	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
1,1-Dichloroethane	<4.3		4.3	0.68	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
cis-1,2-Dichloroethene	<4.3		4.3	0.63	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Methyl Ethyl Ketone	<4.3		4.3	0.94	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Chloroform	<4.3		4.3	0.80	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
1,1,1-Trichloroethane	<4.3		4.3	0.83	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Carbon tetrachloride	<4.3		4.3	0.94	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Benzene	<4.3		4.3	0.47	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
1,2-Dichloroethane	<4.3		4.3	0.44	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Trichloroethene	<4.3		4.3	0.70	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
1,2-Dichloropropane	<4.3		4.3	0.98	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Bromodichloromethane	<4.3		4.3	0.66	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
cis-1,3-Dichloropropene	<4.3		4.3	0.49	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
methyl isobutyl ketone	<4.3		4.3	0.74	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Toluene	<4.3		4.3	0.84	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
trans-1,3-Dichloropropene	<4.3		4.3	0.98	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
1,1,2-Trichloroethane	<4.3		4.3	0.58	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Tetrachloroethene	<4.3		4.3	0.82	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
2-Hexanone	<4.3		4.3	0.62	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Dibromochloromethane	<4.3		4.3	0.60	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Chlorobenzene	<4.3		4.3	0.68	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Ethylbenzene	<4.3		4.3	0.65	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Styrene	<4.3		4.3	0.55	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Bromoform	<4.3		4.3	0.70	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
1,1,2,2-Tetrachloroethane	<4.3		4.3	0.59	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
Xylenes, Total	<8.7		8.7	0.61	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1
1,3-Dichloropropene, Total	<4.3		4.3	0.49	ug/Kg	☼	07/08/11 13:50	07/13/11 14:02	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		69 - 120	07/08/11 13:50	07/13/11 14:02	1
Toluene-d8 (Surr)	94		69 - 122	07/08/11 13:50	07/13/11 14:02	1
4-Bromofluorobenzene (Surr)	91		67 - 120	07/08/11 13:50	07/13/11 14:02	1
Dibromofluoromethane	88		69 - 120	07/08/11 13:50	07/13/11 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.9	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Acenaphthene	<38		38	8.0	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Fluorene	<38		38	7.3	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Phenanthrene	26	J	38	7.5	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1222B02 (4-6)

Lab Sample ID: 500-36406-21

Date Collected: 07/08/11 13:50

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<38		38	7.0	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Fluoranthene	70		38	7.1	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Pyrene	67		38	13	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Benzo[a]anthracene	34	J	38	8.2	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Chrysene	52		38	12	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Benzo[b]fluoranthene	52		38	7.9	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Benzo[k]fluoranthene	42		38	8.9	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Benzo[a]pyrene	47		38	7.3	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Indeno[1,2,3-cd]pyrene	39		38	9.7	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Dibenz[a,h]anthracene	16	J	38	9.6	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Benzo[g,h,i]perylene	45		38	9.3	ug/Kg	☼	07/13/11 16:27	07/15/11 19:07	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	87		22 - 110				07/13/11 16:27	07/15/11 19:07	1
2-Fluorobiphenyl	88		27 - 113				07/13/11 16:27	07/15/11 19:07	1
Terphenyl-d14	101		33 - 129				07/13/11 16:27	07/15/11 19:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.9		0.56	0.079	mg/Kg	☼	07/11/11 17:30	07/14/11 02:28	1
Barium	42		0.56	0.032	mg/Kg	☼	07/11/11 17:30	07/14/11 02:28	1
Cadmium	0.30		0.11	0.015	mg/Kg	☼	07/11/11 17:30	07/14/11 02:28	1
Chromium	18		0.56	0.048	mg/Kg	☼	07/11/11 17:30	07/14/11 02:28	1
Lead	11		0.28	0.14	mg/Kg	☼	07/11/11 17:30	07/14/11 02:28	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	07/11/11 17:30	07/14/11 02:28	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/11/11 17:30	07/14/11 02:28	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		07/15/11 10:30	07/15/11 22:09	1
Barium	0.33	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 22:09	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 22:09	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 22:09	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 22:09	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 22:09	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 22:09	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 11:11	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.018	0.0018	mg/Kg	☼	07/14/11 08:50	07/14/11 12:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.28		0.200	0.200	SU			07/19/11 15:09	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: **500-36406**
 Chain of Custody Number: **EEG-12-11**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.6)(4.1)(3.8)**

Report To: **Dean Teibert**
 Contact: **P-E**
 Company: **33 W. Main St. Suite 550**
 Address: **14.4.4.4, IL 60603**
 Address: **312.578.9243**
 Phone: **312.578.9243**
 Fax: **312.578.9243**
 E-Mail: **dtteibert@me.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Lab ID	MSMSD	Sample ID	Date	Sampling		Matrix	# of Containers	Preservative	Parameter	Total PCBs	Metals	PCB/PAHs	PH/0.5-1.8	Wash	VOC	Comments
				Date	Time											
1		E1220B02(4-6)	7-7-11	1530		2 S	2	RAH	X	X	X	X	X	X		For Waste
2		E1220B02(6-8)	7-7-11	1535		2 S	2	BTEX+MTHC	X	X	X	X	X	X		disposal sample
3		E1220B03(0-2)	7-7-11	1555		2 S	2	X	X	X	X	X	X	X		E1220B01(2-4)
4		E1220B03(4-6)	7-7-11	1600		2 S	2	X	X	X	X	X	X	X		minus pH and
5		E1220B01(2-4)	7-7-11	1355		1 S	1	X	X	X	X	X	X	X		Test metals as
6		E1213B01(0-2)	7-8-11	0830		3 S	3	X	X	X	X	X	X	X		parent sample
7		E1218B01(4-6)	7-8-11	0910		3 S	3	X	X	X	X	X	X	X		sent to Lab
8		E1215B01(2-4)	7-8-11	0930		3 S	3	X	X	X	X	X	X	X		on 7-7-11.
9		E1219B01(0-2)	7-8-11	1100		3 S	3	X	X	X	X	X	X	X		

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

Requested Due Date _____

Sample Disposal: Return to Client Disposal by Lab

Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1440**

Relinquished By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1440**

Relinquished By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1440**

Received By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1440**

Received By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1440**

Received By: **JRS** Company: **E.E.** Date: **7-8-11** Time: **1440**

Lab Counter: **TA**

Shipped: _____

Hand Delivered: _____

Client Comments: _____

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Zebert
 Contract: E-E
 Company: 3D W. Minerals, St. Louis, MO
 Address: Chicago, IL 60603
 Address: 312 578 9213
 Phone: 312 778 9345
 Fax: 312 778 9345
 E-Mail: dz@3dmin.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# Reference# _____

Chain of Custody Record
 Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-13
 Page: 1 of 1
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Containers	Preservative	Parameter	VOC	PAH	Total PCB	MCP PCB	Pth/MSD	Work Dupes	Comments
13		E1221B02(2-4)	7-8-11	1130	2	5			X	X	X	X	X		
14		E1221B02(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
15		E1221B02D(4-6)	7-8-11	1135	2	5			X	X	X	X	X		
16		E1221B01(4-6)	7-8-11	1225	3	5			X	X	X	X	X		
17		E1221B01(14-16)	7-8-11	1230	2	5			X	X	X	X	X		
18		E1222B01(2-4)	7-8-11	1200	2	5			X	X	X	X	X		
19		E1222B01(4-6)	7-8-11	1305	2	5			X	X	X	X	X		
20		E1222B02(0-2)	7-8-11	1345	3	5			X	X	X	X	X		
21		E1222B02(4-6)	7-8-11	1350	2	5			X	X	X	X	X		
22		E1223B01(2-4)	7-8-11	1410	3	5			X	X	X	X	X		

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

Requested Due Date: _____

Resubmitted By: [Signature] Company: RIC Date: 7-8-11 Time: 1940

Resubmitted By: [Signature] Company: ATA Date: 7-9-11 Time: 1940

Resubmitted By: [Signature] Company: ATA Date: 7-8-11 Time: 1600

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

16 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96083 Longitude: -87.94046
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96083 Longitude: -87.94046

Uncontaminated Site 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 E1223B01 was sampled within the construction zone adjacent to ISGS #1583V-23: Residence. Refer to PSI Report for ISGS #1583V-23: Residence including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36406.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

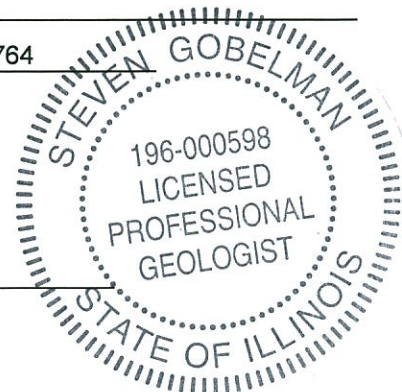
Printed Name:



Licensed Professional Engineer or Licensed Professional Geologist Signature:

2/12/15

Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-23 (Residence)	Comparison Criteria			
BORING	E1223B01	MACs			TACO SCGIER
SAMPLE	E1223B01 (2-4)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil				
DEPTH (m)	0.6-1.2				
pH	8.16				
VOCs (µg/kg)					
Acetone	3.5 J*	25,000	--	--	--
SVOCs (µg/kg)					
Anthracene	10 J	12,000,000	--	--	--
Benzo[a]anthracene	20 J	900	1,800	1,100	--
Benzo[a]pyrene	24 J	90	2,100	1,300	--
Benzo[b]fluoranthene	18 J	900	2,100	1,500	--
Benzo[g,h,i]perylene	17 J	2,300,000	--	--	--
Benzo[k]fluoranthene	20 J	9,000	--	--	--
Chrysene	31 J	88,000	--	--	--
Fluoranthene	68	3,100,000	--	--	--
Indeno[1,2,3-cd]pyrene	17 J	900	1,600	900	--
Phenanthrene	40	210,000	--	--	--
Pyrene	48	2,300,000	--	--	--
Inorganics (mg/kg)					
Arsenic	6.9	11.3	13	--	0.05
Barium	39	1,500	--	--	2
Cadmium	0.33	5.2	--	--	0.005
Chromium	17	21	--	--	0.1
Lead	11	107	--	--	0.0075
Mercury	0.025	0.89	--	--	0.002
TCLP Metals (mg/L)					
Barium	0.28 J	1,500	--	--	2
Cadmium	0.0027 J	5.2	--	--	0.005

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36406-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 04:46:21 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36406-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 500-119103 exceeded control limits for the following analyte: Acetone.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: One matrix spike (MS) recovery for batch 119298 was outside control limits, biased high. The MSD was in control. for this analyte. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1223B01 (2-4) (500-36406-22)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119715 were outside control limits. There were 4 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1217B01 (2-4) (500-36406-11)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1016 and AR1260.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (2-4) (500-36406-11), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor.E1213B01 (0-2) (500-36406-6), E1215B01 (2-4) (500-36406-8), E1216B01 (2-4) (500-36406-10), E1217B01 (4-6) (500-36406-12), E1218B01 (4-6) (500-36406-7), E1219B01 (0-2) (500-36406-9), E1220B01 (2-4) (500-36406-5), E1221B01 (4-6) (500-36406-16), E1222B02 (0-2) (500-36406-20), E1223B01 (2-4) (500-36406-22)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36406-8, was outside control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36406-8 were outside control limits for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36406-8 was outside control limits for Pb. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 7471A: The matrix spike duplicate (MSD) recovery for sample 500-36406-1 were outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Job ID: 500-36406-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1223B01 (2-4)

Lab Sample ID: 500-36406-22

Date Collected: 07/08/11 14:10

Matrix: Solid

Date Received: 07/08/11 16:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/18/11 23:31	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/18/11 23:31	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/18/11 23:31	20
Chloroform	<0.020		0.020	0.010	mg/L			07/18/11 23:31	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/18/11 23:31	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 23:31	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/18/11 23:31	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/18/11 23:31	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/18/11 23:31	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/18/11 23:31	20

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 124		07/18/11 23:31	20
Toluene-d8 (Surr)	100		80 - 121		07/18/11 23:31	20
4-Bromofluorobenzene (Surr)	98		77 - 112		07/18/11 23:31	20
Dibromofluoromethane	103		78 - 119		07/18/11 23:31	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.5		4.5	0.74	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Vinyl chloride	<4.5		4.5	0.63	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Bromomethane	<4.5		4.5	0.96	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Chloroethane	<4.5		4.5	0.94	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
1,1-Dichloroethene	<4.5		4.5	0.71	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Carbon disulfide	<4.5		4.5	0.64	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Acetone	3.5	J *	4.5	2.2	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Methylene Chloride	<4.5		4.5	1.3	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
trans-1,2-Dichloroethene	<4.5		4.5	0.64	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Methyl tert-butyl ether	<4.5		4.5	0.67	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
1,1-Dichloroethane	<4.5		4.5	0.71	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
cis-1,2-Dichloroethene	<4.5		4.5	0.65	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Methyl Ethyl Ketone	<4.5		4.5	0.97	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Chloroform	<4.5		4.5	0.83	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
1,1,1-Trichloroethane	<4.5		4.5	0.86	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Carbon tetrachloride	<4.5		4.5	0.98	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Benzene	<4.5		4.5	0.48	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
1,2-Dichloroethane	<4.5		4.5	0.46	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Trichloroethene	<4.5		4.5	0.73	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
1,2-Dichloropropane	<4.5		4.5	1.0	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Bromodichloromethane	<4.5		4.5	0.68	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
cis-1,3-Dichloropropene	<4.5		4.5	0.51	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
methyl isobutyl ketone	<4.5		4.5	0.76	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Toluene	<4.5		4.5	0.87	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
trans-1,3-Dichloropropene	<4.5		4.5	1.0	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
1,1,2-Trichloroethane	<4.5		4.5	0.60	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Tetrachloroethene	<4.5		4.5	0.85	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
2-Hexanone	<4.5		4.5	0.64	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Dibromochloromethane	<4.5		4.5	0.62	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Chlorobenzene	<4.5		4.5	0.71	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Ethylbenzene	<4.5		4.5	0.67	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1223B01 (2-4)

Lab Sample ID: 500-36406-22

Date Collected: 07/08/11 14:10

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 84.8

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.5		4.5	0.57	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Bromoform	<4.5		4.5	0.73	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
1,1,2,2-Tetrachloroethane	<4.5		4.5	0.61	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
Xylenes, Total	<9.0		9.0	0.63	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1
1,3-Dichloropropene, Total	<4.5		4.5	0.51	ug/Kg	☼	07/08/11 14:10	07/13/11 14:28	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		69 - 120	07/08/11 14:10	07/13/11 14:28	1
Toluene-d8 (Surr)	107		69 - 122	07/08/11 14:10	07/13/11 14:28	1
4-Bromofluorobenzene (Surr)	94		67 - 120	07/08/11 14:10	07/13/11 14:28	1
Dibromofluoromethane	93		69 - 120	07/08/11 14:10	07/13/11 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.9	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Acenaphthene	<38		38	7.9	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Fluorene	<38		38	7.2	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Phenanthrene	40		38	7.4	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Anthracene	10	J	38	6.9	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Fluoranthene	68		38	7.1	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Pyrene	48		38	13	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Benzo[a]anthracene	20	J	38	8.1	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Chrysene	31	J	38	12	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Benzo[b]fluoranthene	18	J	38	7.8	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Benzo[k]fluoranthene	20	J	38	8.9	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Benzo[a]pyrene	24	J	38	7.3	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Indeno[1,2,3-cd]pyrene	17	J	38	9.6	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Dibenz(a,h)anthracene	<38		38	9.6	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1
Benzo[g,h,i]perylene	17	J	38	9.2	ug/Kg	☼	07/14/11 07:05	07/14/11 17:55	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		22 - 110	07/14/11 07:05	07/14/11 17:55	1
2-Fluorobiphenyl	74		27 - 113	07/14/11 07:05	07/14/11 17:55	1
Terphenyl-d14	94		33 - 129	07/14/11 07:05	07/14/11 17:55	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 20:14	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 20:14	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 20:14	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 20:14	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 20:14	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 20:14	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 20:14	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 20:14	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 20:14	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 20:14	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 20:14	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 20:14	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1223B01 (2-4)

Lab Sample ID: 500-36406-22

Date Collected: 07/08/11 14:10

Matrix: Solid

Date Received: 07/08/11 16:00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	43		20 - 100	07/18/11 01:50	07/18/11 20:14	1
Phenol-d5	28		20 - 100	07/18/11 01:50	07/18/11 20:14	1
Nitrobenzene-d5	72		39 - 110	07/18/11 01:50	07/18/11 20:14	1
2-Fluorobiphenyl	74		44 - 110	07/18/11 01:50	07/18/11 20:14	1
2,4,6-Tribromophenol	94		46 - 126	07/18/11 01:50	07/18/11 20:14	1
Terphenyl-d14	93		52 - 131	07/18/11 01:50	07/18/11 20:14	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 18:56	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:56	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:56	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:56	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 18:56	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 18:56	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 18:56	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		36 - 126	07/15/11 11:55	07/18/11 18:56	1
Tetrachloro-m-xylene	75		42 - 120	07/15/11 11:55	07/18/11 18:56	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	07/12/11 19:17	07/14/11 16:44	1
PCB-1221	<19		19	7.2	ug/Kg	☼	07/12/11 19:17	07/14/11 16:44	1
PCB-1232	<19		19	6.7	ug/Kg	☼	07/12/11 19:17	07/14/11 16:44	1
PCB-1242	<19		19	5.9	ug/Kg	☼	07/12/11 19:17	07/14/11 16:44	1
PCB-1248	<19		19	6.6	ug/Kg	☼	07/12/11 19:17	07/14/11 16:44	1
PCB-1254	<19		19	6.0	ug/Kg	☼	07/12/11 19:17	07/14/11 16:44	1
PCB-1260	<19		19	6.2	ug/Kg	☼	07/12/11 19:17	07/14/11 16:44	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	☼	07/12/11 19:17	07/14/11 16:44	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		28 - 124	07/12/11 19:17	07/14/11 16:44	1
DCB Decachlorobiphenyl	88		38 - 130	07/12/11 19:17	07/14/11 16:44	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 11:02	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 11:02	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	71		30 - 110	07/15/11 11:13	07/18/11 11:02	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.9		0.57	0.079	mg/Kg	☼	07/11/11 17:30	07/14/11 02:34	1
Barium	39		0.57	0.032	mg/Kg	☼	07/11/11 17:30	07/14/11 02:34	1
Cadmium	0.33		0.11	0.015	mg/Kg	☼	07/11/11 17:30	07/14/11 02:34	1
Chromium	17		0.57	0.048	mg/Kg	☼	07/11/11 17:30	07/14/11 02:34	1
Lead	11		0.28	0.14	mg/Kg	☼	07/11/11 17:30	07/14/11 02:34	1
Selenium	<0.57		0.57	0.16	mg/Kg	☼	07/11/11 17:30	07/14/11 02:34	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Client Sample ID: E1223B01 (2-4)

Lab Sample ID: 500-36406-22

Date Collected: 07/08/11 14:10

Matrix: Solid

Date Received: 07/08/11 16:00

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.28		0.28	0.036	mg/Kg	☼	07/11/11 17:30	07/14/11 02:34	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		07/15/11 10:30	07/15/11 22:15	1
Barium	0.28	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 22:15	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 22:15	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 22:15	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 22:15	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 22:15	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 22:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 11:14	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.019	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 13:31	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/14/11 16:32	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<47		47	5.4	mg/Kg		07/14/11 10:06	07/14/11 12:44	1
Cyanide, Reactive	<0.26		0.26	0.064	mg/Kg		07/12/11 18:00	07/12/11 20:58	1
pH	8.16		0.200	0.200	SU			07/19/11 15:11	1
Paint Filter	pass				mL/100g			07/14/11 15:25	1



Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36406-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package . Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
Contact: Dean Tubert
Company: E-E
Address: 33 W Monroe St. Suite 550
Address: Chicago, IL 60603
Phone: 312 578 4243
Fax: 312 578 4245
E-Mail: dtubert@e-e.com

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

Chain of Custody Record

Lab Job #: 500-36406
Chain of Custody Number: EEG-12-11
Page 1 of 1
Temperature °C of Cooler: (3.6)(4.1)(3.8)

Client		Client Project #		Preservative		Parameter							Preservative Key			
Ecology - Environment		3133 VZ-12-01											<ol style="list-style-type: none"> HCL, Cool to 4° H2SO4, Cool to 4° HNO3, Cool to 4° NaOH, Cool to 4° NaOH/Zn, Cool to 4° NaHSO4 Cool to 4° None Other 			
Project Name		Lab Project #		Matrix		BTEX+MTBE	PAH	Total PCBs	Metals	TECP/PCRA	Metals	PH/°/solids	Waste	Disposal	VOC	Comments
Irving Park Road (IL19)		5672														
Project Location/State		Lab PM														
DuPage County, IL		D.ck Wright														
Sampler																
Scott Cooper																
Lab ID	MSMSD	Sample ID		Sampling		# of Containers	Matrix									
		Date	Time	Date	Time											
1		E1220B02(4-6)		7-7-11	1530	2	S	X	X	X	X	X				For waste
2		E1220B02(6-8)		7-7-11	1535	2	S	X	X	X	X	X				disposal sample
3		E1220B03(0-2)		7-7-11	1555	2	S	X	X	X	X	X				E1220B01(2-4)
4		E1220B03(4-6)		7-7-11	1600	2	S	X	X	X	X	X				minus pH and
5		E1220B01(2-4)		7-7-11	1355	1	S						X			TCU metals as
6		E1213B01(0-2)		7-8-11	0830	3	S	X	X	X	X	X	X			parent sample
7		E1218B01(4-6)		7-8-11	0910	3	S	X	X	X	X	X	X			sent to lab
8		E1215B01(2-4)		7-8-11	0930	3	S	X	X	X	X	X	X			on 7-7-11.
9		E1219B01(0-2)		7-8-11	1100	3	S		X	X	X	X	X	X		

Turnaround Time Required (Business Days): 15 Days
Requested Due Date: _____
Sample Disposal: Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>SCC</u>	Company: <u>E-E</u>	Date: <u>7-8-11</u>	Time: <u>1440</u>	Received By: <u>CH</u>	Company: <u>TA</u>	Date: <u>7-8-11</u>	Time: <u>1440</u>	Lab Courier: <u>TA</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: <u>JL</u>	Company: <u>TA</u>	Date: <u>7/8/11</u>	Time: <u>1600</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

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

Client Comments: _____
Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To (optional)
 Contact: Dean Tiebout
 Company: E-E
 Address: 33 W Monroe St Suite 550
Chicago IL 60603
 Phone: 312 576 9243
 Fax: 312 576 9343
 E-Mail: dtiebout@e-e.com

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

Chain of Custody Record

Lab Job #: 500-36406
 Chain of Custody Number: EE6-12-12
 Page 1 of 1
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative									Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Project Location/State		Parameter										Comments
Sampler		Lab Project #		Lab PM										
<u>Ecology: Environment</u>		<u>3133-VI 12-01</u>												
<u>Irving Park Road (IL 19)</u>		<u>5672</u>												
<u>DuPage County, IL</u>		<u>Dick Wright</u>												
<u>Scott Cooper</u>														
Lab ID	MS/MSD	Sample ID	Sampling		# of Containers	Matrix	Voc	SVOC	PCB	P.P. metals +Ba	Trace P.P. metals +Ba	pH/y.Solids	Waste Disposal	Comments
			Date	Time										
<u>10</u>		<u>E1216B01 (2-4)</u>	<u>7-8-11</u>	<u>0945</u>	<u>3</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>11</u>		<u>E1217B01 (2-4)</u>	<u>7-8-11</u>	<u>1020</u>	<u>2</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
<u>12</u>		<u>E1217B01 (4-6)</u>	<u>7-8-11</u>	<u>1025</u>	<u>3</u>	<u>S</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
off of 7-8-11														

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

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

Relinquished By <u>[Signature]</u>	Company <u>E-E</u>	Date <u>7-8-11</u>	Time <u>1740</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>7-8-11</u>	Time <u>1740</u>	Lab Courier <u>TA</u>
Relinquished By <u>[Signature]</u>	Company <u>E-E</u>	Date <u>7-8-11</u>	Time <u>1600</u>	Received By <u>[Signature]</u>	Company <u>TA</u>	Date <u>7/8/11</u>	Time <u>1600</u>	Shipped
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered

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

Client Comments

Lab Comments

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Dean Zuchowt (optional)
Contact: Dean Zuchowt
Company: E-E
Address: 320 W. Monroe St. Suite 550
Address: Chicago IL 60603
Phone: 312 578 9243
Fax: 312 578 9345
E-Mail: dzuchowt@e-e.com

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

Chain of Custody Record

Lab Job #: 500-36406
Chain of Custody Number: EE6-12-13
Page: 1 of 1
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter												Preservative Key	
Ecology; Environment		3130.VF12-01																1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampling		# of Containers		Depth										Comments	
Irving Park Road (IL 19)		5672		Date Time															
Project Location/State		Lab PM																	
DuPage County, IL		Dick Wright																	
Sampler																			
Scott Cooper																			
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Depth	VOC	PAH	Total PCBs metals	Temp PCBs metals	Pb+/-% Solids	Waste Disposal							
13		E1221B02(2-4)	7-8-11	1130	2	5	X	X	X	X	X								
14		E1221B02(4-6)	7-8-11	1135	2	5	X	X	X	X	X								
15		E1221B02D(4-6)	7-8-11	1135	2	5	X	X	X	X	X								
16		E1221B01(4-6)	7-8-11	1225	3	5	X	X	X	X	X	X							
17		E1221B01(14-16)	7-8-11	1230	2	5	X	X	X	X	X								
18		E1222B01(2-4)	7-8-11	1300	2	5	X	X	X	X	X								
19		E1222B01(4-6)	7-8-11	1305	2	5	X	X	X	X	X								
20		E1222B02(0-2)	7-8-11	1345	3	5	X	X	X	X	X	X							
21		E1222B02(4-6)	7-8-11	1350	2	5	X	X	X	X	X								
22		E1223B01(2-4)	7-8-11	1410	3	5	X	X	X	X	X	X							

Turnaround Time Required (Business Days): 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)
 Requested Due Date: _____

Relinquished By: <u>[Signature]</u>	Company: <u>E-E</u>	Date: <u>7-8-11</u>	Time: <u>1440</u>	Received By: <u>[Signature]</u>	Company: <u>TAL</u>	Date: <u>7-9-11</u>	Time: <u>1440</u>	Lab Courier: <u>TA</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: <u>[Signature]</u>	Company: <u>TA</u>	Date: <u>7/8/11</u>	Time: <u>1600</u>	Shipped: _____
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____	Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
7-9 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96106 Longitude: -87.94080
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96106 Longitude: -87.94080

Uncontaminated Site 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 E1224B01 was sampled within the construction zone adjacent to ISGS #1583V-24: Commercial Building. Refer to PSI Report for ISGS #1583V-24: Commercial Building including Table 4-5, and Figure 4-4a.

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

See attached data summary table and associated laboratory data package J36349.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

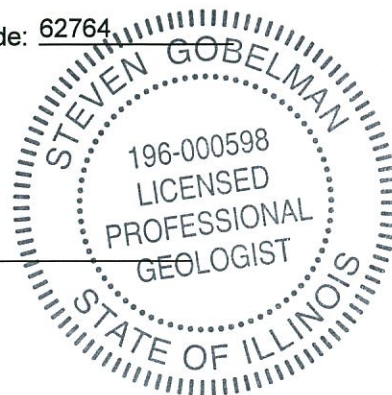
Steven Gobelman

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/13/15
Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-24 (Commercial Building)		Comparison Criteria			
BORING	E1224B01		MACs			TACO SCGIER
SAMPLE	E1224B01 (2-4)	E1224B01 (6-8)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil	Soil				
DEPTH (m)	0.6-1.2	1.8-2.4				
pH	6.61	8.29				
VOCs (None Detected)						
SVOCs (None Detected)						
Inorganics (mg/kg)						
Arsenic	8.3	4.5	11.3	13	--	0.05
Barium	88	46	1,500	--	--	2
Cadmium	0.12	0.39	5.2	--	--	0.005
Chromium	22 †	17	21	--	--	0.1
Lead	14	10	107	--	--	0.0075
Mercury	0.041	0.036	0.89	--	--	0.002
TCLP Metals (mg/L)						
Barium	0.23 J	0.39 J	1,500	--	--	2
Cadmium	ND U	0.0026 J	5.2	--	--	0.005
Lead	ND U	0.0071 J	107	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36349-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 01:27:43 PM

Richard Wright
Project Manager II
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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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Job ID: 500-36349-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36349-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1220B01 (2-4) (500-36349-15), E1225B02 (4-6) (500-36349-8), E1225B02 (8-10) (500-36349-9). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: E1220B01 (2-4) (500-36349-15). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: Due to the level of dilution required for the following sample (500-36349-15 DL), surrogate recoveries are not reported: E1220B01 (2-4) (500-36349-15).

Method(s) 8270C: 500-36349-15 had Terphenyl-d14 at 158% (33%-129%). All other surrogate recoveries were within limits. No further action was required. E1220B01 (2-4) (500-36349-15)

Method(s) 8270C: Eight matrix spike duplicate (MSD) recoveries for batch 119139 were outside control limits, biased low. The RPD for Benzo[k]fluoranthene was at 45% (30%). The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required. E1225B01 (10-12) (500-36349-2)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 7/13/11 at 1845 did not meet control limits (biased low). Sample matrix from the previously analyzed sample is suspected to have contributed to this failure. E1224B01 (2-4) (500-36349-11), E1225B02 (4-6) (500-36349-8)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor. E1224B01 (2-4) (500-36349-11), E1225B02 (4-6) (500-36349-8)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36349-15, was outside control limits for Pb.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-36349-15 was outside the control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36349-15 were outside control limits for As. The MS was also out for Cr. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 7471A: The matrix spike (MS) recovery for sample 500-36349-7 was outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Job ID: 500-36349-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1224B01 (2-4)

Lab Sample ID: 500-36349-11

Date Collected: 07/07/11 11:50

Matrix: Solid

Date Received: 07/07/11 16:50

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/14/11 21:56	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/14/11 21:56	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/14/11 21:56	20
Chloroform	<0.020		0.020	0.010	mg/L			07/14/11 21:56	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/14/11 21:56	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/14/11 21:56	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/14/11 21:56	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/14/11 21:56	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/14/11 21:56	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/14/11 21:56	20

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 124		07/14/11 21:56	20
Toluene-d8 (Surr)	95		80 - 121		07/14/11 21:56	20
4-Bromofluorobenzene (Surr)	96		77 - 112		07/14/11 21:56	20
Dibromofluoromethane	98		78 - 119		07/14/11 21:56	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.1		5.1	0.55	ug/Kg	*	07/07/11 11:50	07/11/11 18:53	1
Toluene	<5.1		5.1	0.99	ug/Kg	*	07/07/11 11:50	07/11/11 18:53	1
Ethylbenzene	<5.1		5.1	0.77	ug/Kg	*	07/07/11 11:50	07/11/11 18:53	1
Xylenes, Total	<10		10	0.72	ug/Kg	*	07/07/11 11:50	07/11/11 18:53	1
Methyl tert-butyl ether	<5.1		5.1	0.77	ug/Kg	*	07/07/11 11:50	07/11/11 18:53	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		69 - 120	07/07/11 11:50	07/11/11 18:53	1
Toluene-d8 (Surr)	107		69 - 122	07/07/11 11:50	07/11/11 18:53	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/07/11 11:50	07/11/11 18:53	1
Dibromofluoromethane	110		69 - 120	07/07/11 11:50	07/11/11 18:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<41		41	7.4	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Acenaphthylene	<41		41	6.3	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Acenaphthene	<41		41	8.5	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Fluorene	<41		41	7.8	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Phenanthrene	<41		41	8.0	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Anthracene	<41		41	7.5	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Fluoranthene	<41		41	7.6	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Pyrene	<41		41	14	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Benzo[a]anthracene	<41		41	8.8	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Chrysene	<41		41	13	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Benzo[b]fluoranthene	<41		41	8.5	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Benzo[k]fluoranthene	<41		41	9.6	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Benzo[a]pyrene	<41		41	7.8	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Indeno[1,2,3-cd]pyrene	<41		41	10	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Dibenz(a,h)anthracene	<41		41	10	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1
Benzo[g,h,i]perylene	<41		41	9.9	ug/Kg	*	07/12/11 16:33	07/14/11 20:19	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1224B01 (2-4)

Lab Sample ID: 500-36349-11

Date Collected: 07/07/11 11:50

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 80.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		22 - 110	07/12/11 16:33	07/14/11 20:19	1
2-Fluorobiphenyl	66		27 - 113	07/12/11 16:33	07/14/11 20:19	1
Terphenyl-d14	76		33 - 129	07/12/11 16:33	07/14/11 20:19	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:01	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:01	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:01	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:01	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:01	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:01	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:01	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 15:01	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 01:50	07/18/11 15:01	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 01:50	07/18/11 15:01	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:01	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 01:50	07/18/11 15:01	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	48		20 - 100	07/18/11 01:50	07/18/11 15:01	1
Phenol-d5	29		20 - 100	07/18/11 01:50	07/18/11 15:01	1
Nitrobenzene-d5	81		39 - 110	07/18/11 01:50	07/18/11 15:01	1
2-Fluorobiphenyl	86		44 - 110	07/18/11 01:50	07/18/11 15:01	1
2,4,6-Tribromophenol	95		46 - 126	07/18/11 01:50	07/18/11 15:01	1
Terphenyl-d14	98		52 - 131	07/18/11 01:50	07/18/11 15:01	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 14:06	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 14:06	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 14:06	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 14:06	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/15/11 11:55	07/18/11 14:06	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/15/11 11:55	07/18/11 14:06	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/15/11 11:55	07/18/11 14:06	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		36 - 126	07/15/11 11:55	07/18/11 14:06	1
Tetrachloro-m-xylene	89		42 - 120	07/15/11 11:55	07/18/11 14:06	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.7	ug/Kg	☼	07/11/11 18:34	07/13/11 17:50	1
PCB-1221	<20		20	7.5	ug/Kg	☼	07/11/11 18:34	07/13/11 17:50	1
PCB-1232	<20		20	6.9	ug/Kg	☼	07/11/11 18:34	07/13/11 17:50	1
PCB-1242	<20		20	6.0	ug/Kg	☼	07/11/11 18:34	07/13/11 17:50	1
PCB-1248	<20		20	6.8	ug/Kg	☼	07/11/11 18:34	07/13/11 17:50	1
PCB-1254	<20		20	6.2	ug/Kg	☼	07/11/11 18:34	07/13/11 17:50	1
PCB-1260	<20		20	6.4	ug/Kg	☼	07/11/11 18:34	07/13/11 17:50	1
Polychlorinated biphenyls, Total	<20		20	4.7	ug/Kg	☼	07/11/11 18:34	07/13/11 17:50	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1224B01 (2-4)

Lab Sample ID: 500-36349-11

Date Collected: 07/07/11 11:50

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 80.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		28 - 124	07/11/11 18:34	07/13/11 17:50	1
DCB Decachlorobiphenyl	102		38 - 130	07/11/11 18:34	07/13/11 17:50	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/15/11 11:13	07/18/11 07:27	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/15/11 11:13	07/18/11 07:27	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	67		30 - 110	07/15/11 11:13	07/18/11 07:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.3		0.57	0.080	mg/Kg	☼	07/11/11 17:30	07/14/11 03:39	1
Barium	88		0.57	0.032	mg/Kg	☼	07/11/11 17:30	07/14/11 03:39	1
Cadmium	0.12		0.11	0.015	mg/Kg	☼	07/11/11 17:30	07/14/11 03:39	1
Chromium	22		0.57	0.048	mg/Kg	☼	07/11/11 17:30	07/14/11 03:39	1
Lead	14		0.28	0.14	mg/Kg	☼	07/11/11 17:30	07/14/11 03:39	1
Selenium	<0.57		0.57	0.16	mg/Kg	☼	07/11/11 17:30	07/14/11 03:39	1
Silver	<0.28		0.28	0.036	mg/Kg	☼	07/11/11 17:30	07/14/11 03:39	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		07/15/11 10:30	07/15/11 23:01	1
Barium	0.23	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 23:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 23:01	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 23:01	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 23:01	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 23:01	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 23:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 09:11	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.020	0.0020	mg/Kg	☼	07/14/11 08:50	07/14/11 13:14	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/14/11 10:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	6.0	J	47	5.4	mg/Kg		07/08/11 15:54	07/08/11 17:44	1
Cyanide, Reactive	<0.35		0.35	0.087	mg/Kg		07/12/11 18:00	07/12/11 20:54	1
pH	6.61		0.200	0.200	SU			07/18/11 14:33	1
Paint Filter	pass				mL/100g			07/14/11 15:20	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1224B01 (6-8)

Lab Sample ID: 500-36349-12

Date Collected: 07/07/11 11:55

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.7		4.7	0.50	ug/Kg	☼	07/07/11 11:55	07/12/11 10:27	1
Toluene	<4.7		4.7	0.91	ug/Kg	☼	07/07/11 11:55	07/12/11 10:27	1
Ethylbenzene	<4.7		4.7	0.70	ug/Kg	☼	07/07/11 11:55	07/12/11 10:27	1
Xylenes, Total	<9.3		9.3	0.65	ug/Kg	☼	07/07/11 11:55	07/12/11 10:27	1
Methyl tert-butyl ether	<4.7		4.7	0.70	ug/Kg	☼	07/07/11 11:55	07/12/11 10:27	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		69 - 120	07/07/11 11:55	07/12/11 10:27	1
Toluene-d8 (Surr)	106		69 - 122	07/07/11 11:55	07/12/11 10:27	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/07/11 11:55	07/12/11 10:27	1
Dibromofluoromethane	106		69 - 120	07/07/11 11:55	07/12/11 10:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.9	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Acenaphthene	<38		38	7.9	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Fluorene	<38		38	7.2	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Phenanthrene	<38		38	7.4	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Anthracene	<38		38	6.9	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Pyrene	<38		38	13	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Benzo[a]anthracene	<38		38	8.1	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Chrysene	<38		38	12	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Benzo[b]fluoranthene	<38		38	7.8	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Benzo[k]fluoranthene	<38		38	8.9	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Indeno[1,2,3-cd]pyrene	<38		38	9.6	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Dibenz(a,h)anthracene	<38		38	9.6	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1
Benzo[g,h,i]perylene	<38		38	9.2	ug/Kg	☼	07/12/11 16:33	07/14/11 20:40	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	58		22 - 110	07/12/11 16:33	07/14/11 20:40	1
2-Fluorobiphenyl	57		27 - 113	07/12/11 16:33	07/14/11 20:40	1
Terphenyl-d14	62		33 - 129	07/12/11 16:33	07/14/11 20:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.5		0.54	0.075	mg/Kg	☼	07/11/11 17:30	07/14/11 03:45	1
Barium	46		0.54	0.030	mg/Kg	☼	07/11/11 17:30	07/14/11 03:45	1
Cadmium	0.39		0.11	0.015	mg/Kg	☼	07/11/11 17:30	07/14/11 03:45	1
Chromium	17		0.54	0.046	mg/Kg	☼	07/11/11 17:30	07/14/11 03:45	1
Lead	10		0.27	0.13	mg/Kg	☼	07/11/11 17:30	07/14/11 03:45	1
Selenium	<0.54		0.54	0.15	mg/Kg	☼	07/11/11 17:30	07/14/11 03:45	1
Silver	<0.27		0.27	0.034	mg/Kg	☼	07/11/11 17:30	07/14/11 03:45	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		07/15/11 10:30	07/15/11 20:46	1
Barium	0.39	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 20:46	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 20:46	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1224B01 (6-8)

Lab Sample ID: 500-36349-12

Date Collected: 07/07/11 11:55

Matrix: Solid

Date Received: 07/07/11 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 20:46	1
Lead	0.0071	J	0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 20:46	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 20:46	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 20:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:37	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.018	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.29		0.200	0.200	SU			07/18/11 14:36	1

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

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control 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 is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	Duplicate RPD exceeds the control limit
F	MS or MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Tebbat
 Contact: K-E
 Company: 37 W Monroe St Suite 550
 Address: Chicago, IL 60607
 Phone: 312.576.9243
 Fax: 312.576.9345
 E-Mail: dtebbat@k-e.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# / Reference# _____

Chain of Custody Record
 Lab Job #: 500-36349
 Chain of Custody Number: F-0-12-09
 Page 1 of 1
 Temperature °C of Cooler: (3.4) (3.7)

Lab ID	MSMSD	Sample ID	Date	Time	Preservative	Parameter	# of Containers		M	W	Comments
							1	2			
1		E1225B01 (6-E)	7-7-11	0855	Voc	PAH	X	X	X	X	
2		E1225B01 (10-12)	7-7-11	0900			X	X	X	X	Wash Disposal BTEX + MIBT
3		E1225B01 D (10-12)	7-7-11	0900			X	X	X	X	PH / % Solids
4		E1225G01	7-7-11	0905			X	X	X	X	TCLP PCBs
5		E12TR03	7-7-11	0905			X	X	X	X	Metal PCBs
6		E1225B03 (2-4)	7-7-11	1030			X	X	X	X	
7		E1225B03 (10-12)	7-7-11	1035			X	X	X	X	
8		E1225B02 (4-6)	7-7-11	1230			X	X	X	X	
9		E1225B02 (8-10)	7-7-11	1245			X	X	X	X	
10		E1220G01	7-7-11	1420			X	X	X	X	

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

Requested Due Date _____

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

Relinquished By: <u>[Signature]</u>	Company: <u>K-E</u>	Date: <u>7-7-11</u>	Time: <u>1455</u>
Relinquished By: <u>[Signature]</u>	Company: <u>K-E</u>	Date: <u>7-7-11</u>	Time: <u>1650</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____

Received By: [Signature] Date: 7-7-11 Time: 1500

Received By: [Signature] Date: 7-7-11 Time: 1650

Received By: _____ Date: _____ Time: _____

Lab Counter: TA

Shipped: _____

Hand Delivered: _____

Client Comments: _____

Lab Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-36349
 Chain of Custody Number: EE6-12-10
 Page 1 of 1
 Temperature °C of Cooler: _____

Report To: Dave Trebeck
 Contact: _____
 Company: PC
 Address: 33 W. Michigan St. Suite 512
 Address: Chicago, IL 60603
 Phone: 312.572.9243
 Fax: 312.572.9345
 E-Mail: dtrebeck@pc.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Preservative	Parameter	PAH	BTEX + MWTRB	Total PCBs	Temp PCBs	Pth% s.i.r.	Wash Disposal	Comments
11		E1224B01 (2-4)	7-7-11	1150	3 S			X	X	X	X	X		
12		E1224B01 (6-8)	7-7-11	1152	2 S			X	X	X	X	X		
13		E1220B04 (2-4)	7-7-11	1320	2 S			X	X	X	X	X		
14		E1220B04 (6-8)	7-7-11	1325	2 S			X	X	X	X	X		
15		E1220B01 (2-4)	7-7-11	1355	2 S			X	X	X	X	X		
16		E1220B01 (6-8)	7-7-11	1400	2 S			X	X	X	X	X		

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

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

Relinquished By: SATZ Company: PC Date: 7-7-11 Time: 1455
 Relinquished By: [Signature] Company: TA Date: 7-7-11 Time: 1500
 Relinquished By: [Signature] Company: TA Date: 7-7-11 Time: 1650

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

5 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96118 Longitude: -87.93997
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434140042 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96118 Longitude: -87.93997

Uncontaminated Site 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 E1225B01 and E1225B03 were sampled within the construction zone adjacent to ISGS #1583V-25: Walgreens. Refer to PSI Report for ISGS #1583V-25: Walgreens including Table 4-5, and Figure 4-1A.

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

See attached data summary table and associated laboratory data package J36349.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

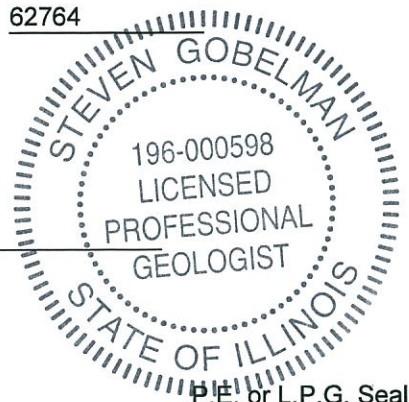
City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman
Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15
 Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-25 (Walgreens)						Comparison Criteria			
	E1225B01			E1225B03			MACs			
	E1225B01 (6-8)	E1225B01 (10-12)	E1225B01D (10-12)	E1225B03 (2-4)	E1225B03 (10-12)	Most Stringent	Within an MSA	Within Chicago	TACO	SCGIER
BORING										
SAMPLE	Soil	Soil	Soil	Soil	Soil					
MATRIX	1.8-2.4	3.1-3.7	3.1-3.7	0.6-1.2	3.1-3.7					
DEPTH (m)	8.13	8.28	8.30	8.01	8.66					
pH										
VOCs (µg/kg)										
Acetone	ND U	ND U	12	11	ND U	25,000	--	--	--	--
Benzene	2.2 J	ND U	ND U	ND U	ND U	30	--	--	--	--
SVOCs (µg/kg)										
Acenaphthylene	16 J	8.5 J	ND U	ND U	ND U	85,000	--	--	--	--
Anthracene	11 J	ND U	ND U	ND U	ND U	12,000,000	--	--	--	--
Benzo[a]anthracene	19 J	ND U	ND U	ND U	ND U	900	1,800	1,100	--	--
Benzo[a]pyrene	71	17 J	ND U	ND U	ND U	90	2,100	1,300	--	--
Benzo[b]fluoranthene	39	15 J	ND U	ND U	ND U	900	2,100	1,500	--	--
Benzo[g,h,i]perylene	80	36 J	19 J	ND U	15 J	2,300,000	--	--	--	--
Benzo[k]fluoranthene	24 J	ND U	ND U	ND U	ND U	9,000	--	--	--	--
Chrysene	13 J	16 J	15 J	ND U	12 J	88,000	--	--	--	--
Dibenzo(a,h)anthracene	21 J	18 J	13 J	ND U	ND U	90	420	200	--	--
Indeno[1,2,3-cd]pyrene	69	25 J	15 J	ND U	ND U	900	1,600	900	--	--
Inorganics (mg/kg)										
Arsenic	7.7	7.3	6.4	3.9	9.7	11.3	13	--	0.05	
Barium	56	45	39	27	26	1,500	--	--	2	
Cadmium	0.37	0.34	0.34	0.21	0.47	5.2	--	--	0.005	
Chromium	19	18	17	13	8.7	21	--	--	0.1	
Lead	11	11	9.8	5.7	11	107	--	--	0.0075	
Mercury	0.022	0.025	0.023	0.016	0.023	0.89	--	--	0.002	
TCLP Metals (mg/L)										
Barium	0.38 J	0.31 J	0.30 J	0.28 J	0.29 J	1,500	--	--	2	
Cadmium	0.0027 J	0.0028 J	0.0029 J	ND U	0.0045 J	5.2	--	--	0.005	
Lead	0.011 L	ND U	ND U	ND U	ND U	107	--	--	0.0075	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36349-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 01:27:43 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Job ID: 500-36349-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36349-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1220B01 (2-4) (500-36349-15), E1225B02 (4-6) (500-36349-8), E1225B02 (8-10) (500-36349-9). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: E1220B01 (2-4) (500-36349-15). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: Due to the level of dilution required for the following sample (500-36349-15 DL), surrogate recoveries are not reported: E1220B01 (2-4) (500-36349-15).

Method(s) 8270C: 500-36349-15 had Terphenyl-d14 at 158% (33%-129%). All other surrogate recoveries were within limits. No further action was required. E1220B01 (2-4) (500-36349-15)

Method(s) 8270C: Eight matrix spike duplicate (MSD) recoveries for batch 119139 were outside control limits, biased low. The RPD for Benzo[k]fluoranthene was at 45% (30%). The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required. E1225B01 (10-12) (500-36349-2)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 7/13/11 at 1845 did not meet control limits (biased low). Sample matrix from the previously analyzed sample is suspected to have contributed to this failure. E1224B01 (2-4) (500-36349-11), E1225B02 (4-6) (500-36349-8)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Toxaphene, Chlordane (technical), Endrin, and Methoxychlor. E1224B01 (2-4) (500-36349-11), E1225B02 (4-6) (500-36349-8)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36349-15, was outside control limits for Pb.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-36349-15 was outside the control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36349-15 were outside control limits for As. The MS was also out for Cr. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 7471A: The matrix spike (MS) recovery for sample 500-36349-7 was outside control limits for Hg. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Job ID: 500-36349-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

- 1
- 2
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- 14

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B01 (6-8)

Lab Sample ID: 500-36349-1

Date Collected: 07/07/11 08:55

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 84.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.0		4.0	0.65	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Vinyl chloride	<4.0		4.0	0.56	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Bromomethane	<4.0		4.0	0.85	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Chloroethane	<4.0		4.0	0.84	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
1,1-Dichloroethene	<4.0		4.0	0.63	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Carbon disulfide	<4.0		4.0	0.56	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Acetone	<4.0		4.0	1.9	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Methylene Chloride	<4.0		4.0	1.1	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
trans-1,2-Dichloroethene	<4.0		4.0	0.56	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Methyl tert-butyl ether	<4.0		4.0	0.60	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
1,1-Dichloroethane	<4.0		4.0	0.63	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
cis-1,2-Dichloroethene	<4.0		4.0	0.58	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Methyl Ethyl Ketone	<4.0		4.0	0.86	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Chloroform	<4.0		4.0	0.73	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
1,1,1-Trichloroethane	<4.0		4.0	0.76	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Carbon tetrachloride	<4.0		4.0	0.87	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Benzene	2.2	J	4.0	0.43	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
1,2-Dichloroethane	<4.0		4.0	0.41	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Trichloroethene	<4.0		4.0	0.64	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
1,2-Dichloropropane	<4.0		4.0	0.90	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Bromodichloromethane	<4.0		4.0	0.60	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
cis-1,3-Dichloropropene	<4.0		4.0	0.45	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
methyl isobutyl ketone	<4.0		4.0	0.68	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Toluene	<4.0		4.0	0.77	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
trans-1,3-Dichloropropene	<4.0		4.0	0.90	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
1,1,2-Trichloroethane	<4.0		4.0	0.53	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Tetrachloroethene	<4.0		4.0	0.76	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
2-Hexanone	<4.0		4.0	0.56	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Dibromochloromethane	<4.0		4.0	0.55	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Chlorobenzene	<4.0		4.0	0.63	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Ethylbenzene	<4.0		4.0	0.60	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Styrene	<4.0		4.0	0.50	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Bromoform	<4.0		4.0	0.64	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
1,1,2,2-Tetrachloroethane	<4.0		4.0	0.54	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
Xylenes, Total	<8.0		8.0	0.56	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1
1,3-Dichloropropene, Total	<4.0		4.0	0.45	ug/Kg	☼	07/07/11 08:55	07/11/11 16:49	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		69 - 120	07/07/11 08:55	07/11/11 16:49	1
Toluene-d8 (Surr)	107		69 - 122	07/07/11 08:55	07/11/11 16:49	1
4-Bromofluorobenzene (Surr)	100		67 - 120	07/07/11 08:55	07/11/11 16:49	1
Dibromofluoromethane	111		69 - 120	07/07/11 08:55	07/11/11 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.9	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Acenaphthylene	16	J	38	5.9	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Acenaphthene	<38		38	8.0	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Fluorene	<38		38	7.3	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Phenanthrene	<38		38	7.5	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B01 (6-8)

Lab Sample ID: 500-36349-1

Date Collected: 07/07/11 08:55

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	11	J	38	7.0	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Pyrene	<38		38	13	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Benzo[a]anthracene	19	J	38	8.2	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Chrysene	13	J	38	12	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Benzo[b]fluoranthene	39		38	7.9	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Benzo[k]fluoranthene	24	J	38	8.9	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Benzo[a]pyrene	71		38	7.3	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Indeno[1,2,3-cd]pyrene	69		38	9.7	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Dibenz(a,h)anthracene	21	J	38	9.6	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Benzo[g,h,i]perylene	80		38	9.3	ug/Kg	☼	07/12/11 16:33	07/14/11 17:14	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	90		22 - 110				07/12/11 16:33	07/14/11 17:14	1
2-Fluorobiphenyl	92		27 - 113				07/12/11 16:33	07/14/11 17:14	1
Terphenyl-d14	103		33 - 129				07/12/11 16:33	07/14/11 17:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		0.55	0.077	mg/Kg	☼	07/11/11 17:30	07/14/11 02:40	1
Barium	56		0.55	0.031	mg/Kg	☼	07/11/11 17:30	07/14/11 02:40	1
Cadmium	0.37		0.11	0.015	mg/Kg	☼	07/11/11 17:30	07/14/11 02:40	1
Chromium	19		0.55	0.047	mg/Kg	☼	07/11/11 17:30	07/14/11 02:40	1
Lead	11		0.27	0.13	mg/Kg	☼	07/11/11 17:30	07/14/11 02:40	1
Selenium	<0.55		0.55	0.15	mg/Kg	☼	07/11/11 17:30	07/14/11 02:40	1
Silver	<0.27		0.27	0.035	mg/Kg	☼	07/11/11 17:30	07/14/11 02:40	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		07/15/11 10:30	07/15/11 20:15	1
Barium	0.38	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 20:15	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 20:15	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 20:15	1
Lead	0.011		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 20:15	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 20:15	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 20:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:17	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0018	mg/Kg	☼	07/14/11 08:50	07/14/11 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.13		0.200	0.200	SU			07/18/11 14:15	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B01 (10-12)

Lab Sample ID: 500-36349-2

Date Collected: 07/07/11 09:00

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 84.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.6		4.6	0.76	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Vinyl chloride	<4.6		4.6	0.65	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Bromomethane	<4.6		4.6	0.99	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Chloroethane	<4.6		4.6	0.97	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
1,1-Dichloroethene	<4.6		4.6	0.73	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Carbon disulfide	<4.6		4.6	0.66	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Acetone	<4.6		4.6	2.3	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Methylene Chloride	<4.6		4.6	1.3	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
trans-1,2-Dichloroethene	<4.6		4.6	0.66	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Methyl tert-butyl ether	<4.6		4.6	0.70	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
1,1-Dichloroethane	<4.6		4.6	0.73	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
cis-1,2-Dichloroethene	<4.6		4.6	0.68	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Methyl Ethyl Ketone	<4.6		4.6	1.0	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Chloroform	<4.6		4.6	0.85	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
1,1,1-Trichloroethane	<4.6		4.6	0.89	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Carbon tetrachloride	<4.6		4.6	1.0	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Benzene	<4.6		4.6	0.50	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
1,2-Dichloroethane	<4.6		4.6	0.47	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Trichloroethene	<4.6		4.6	0.75	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
1,2-Dichloropropane	<4.6		4.6	1.0	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Bromodichloromethane	<4.6		4.6	0.71	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
cis-1,3-Dichloropropene	<4.6		4.6	0.53	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
methyl isobutyl ketone	<4.6		4.6	0.79	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Toluene	<4.6		4.6	0.90	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
trans-1,3-Dichloropropene	<4.6		4.6	1.0	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
1,1,2-Trichloroethane	<4.6		4.6	0.62	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Tetrachloroethene	<4.6		4.6	0.88	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
2-Hexanone	<4.6		4.6	0.66	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Dibromochloromethane	<4.6		4.6	0.64	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Chlorobenzene	<4.6		4.6	0.73	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Ethylbenzene	<4.6		4.6	0.70	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Styrene	<4.6		4.6	0.58	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Bromoform	<4.6		4.6	0.75	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
1,1,2,2-Tetrachloroethane	<4.6		4.6	0.63	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
Xylenes, Total	<9.3		9.3	0.65	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1
1,3-Dichloropropene, Total	<4.6		4.6	0.53	ug/Kg	☼	07/07/11 09:00	07/11/11 17:14	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		69 - 120	07/07/11 09:00	07/11/11 17:14	1
Toluene-d8 (Surr)	105		69 - 122	07/07/11 09:00	07/11/11 17:14	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/07/11 09:00	07/11/11 17:14	1
Dibromofluoromethane	111		69 - 120	07/07/11 09:00	07/11/11 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	7.0	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Acenaphthylene	8.5	J	38	6.0	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Acenaphthene	<38		38	8.0	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Fluorene	<38		38	7.3	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Phenanthrene	<38		38	7.6	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B01 (10-12)

Lab Sample ID: 500-36349-2

Date Collected: 07/07/11 09:00

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<38		38	7.0	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Pyrene	<38		38	13	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Benzo[a]anthracene	<38		38	8.2	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Chrysene	16	J	38	12	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Benzo[b]fluoranthene	15	J	38	8.0	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Benzo[k]fluoranthene	<38		38	9.0	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Benzo[a]pyrene	17	J	38	7.4	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Indeno[1,2,3-cd]pyrene	25	J	38	9.8	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Dibenz(a,h)anthracene	18	J	38	9.7	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Benzo[g,h,i]perylene	36	J	38	9.4	ug/Kg	☼	07/12/11 16:33	07/14/11 17:34	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	85		22 - 110				07/12/11 16:33	07/14/11 17:34	1
2-Fluorobiphenyl	80		27 - 113				07/12/11 16:33	07/14/11 17:34	1
Terphenyl-d14	90		33 - 129				07/12/11 16:33	07/14/11 17:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.3		0.54	0.076	mg/Kg	☼	07/11/11 17:30	07/14/11 02:47	1
Barium	45		0.54	0.030	mg/Kg	☼	07/11/11 17:30	07/14/11 02:47	1
Cadmium	0.34		0.11	0.015	mg/Kg	☼	07/11/11 17:30	07/14/11 02:47	1
Chromium	18		0.54	0.046	mg/Kg	☼	07/11/11 17:30	07/14/11 02:47	1
Lead	11		0.27	0.13	mg/Kg	☼	07/11/11 17:30	07/14/11 02:47	1
Selenium	<0.54		0.54	0.15	mg/Kg	☼	07/11/11 17:30	07/14/11 02:47	1
Silver	<0.27		0.27	0.034	mg/Kg	☼	07/11/11 17:30	07/14/11 02:47	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		07/15/11 10:30	07/15/11 20:21	1
Barium	0.31	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 20:21	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 20:21	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 20:21	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 20:21	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 20:21	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 20:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:20	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.017	0.0017	mg/Kg	☼	07/14/11 08:50	07/14/11 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.28		0.200	0.200	SU			07/18/11 14:19	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B01D (10-12)

Lab Sample ID: 500-36349-3

Date Collected: 07/07/11 09:00

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 84.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.5		4.5	0.74	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Vinyl chloride	<4.5		4.5	0.63	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Bromomethane	<4.5		4.5	0.97	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Chloroethane	<4.5		4.5	0.95	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
1,1-Dichloroethene	<4.5		4.5	0.71	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Carbon disulfide	<4.5		4.5	0.64	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Acetone	12		4.5	2.2	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Methylene Chloride	<4.5		4.5	1.3	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
trans-1,2-Dichloroethene	<4.5		4.5	0.64	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Methyl tert-butyl ether	<4.5		4.5	0.68	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
1,1-Dichloroethane	<4.5		4.5	0.71	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
cis-1,2-Dichloroethene	<4.5		4.5	0.66	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Methyl Ethyl Ketone	<4.5		4.5	0.98	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Chloroform	<4.5		4.5	0.83	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
1,1,1-Trichloroethane	<4.5		4.5	0.87	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Carbon tetrachloride	<4.5		4.5	0.98	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Benzene	<4.5		4.5	0.49	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
1,2-Dichloroethane	<4.5		4.5	0.46	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Trichloroethene	<4.5		4.5	0.73	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
1,2-Dichloropropane	<4.5		4.5	1.0	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Bromodichloromethane	<4.5		4.5	0.69	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
cis-1,3-Dichloropropene	<4.5		4.5	0.51	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
methyl isobutyl ketone	<4.5		4.5	0.77	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Toluene	<4.5		4.5	0.88	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
trans-1,3-Dichloropropene	<4.5		4.5	1.0	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
1,1,2-Trichloroethane	<4.5		4.5	0.61	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Tetrachloroethene	<4.5		4.5	0.86	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
2-Hexanone	<4.5		4.5	0.64	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Dibromochloromethane	<4.5		4.5	0.62	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Chlorobenzene	<4.5		4.5	0.71	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Ethylbenzene	<4.5		4.5	0.68	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Styrene	<4.5		4.5	0.57	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Bromoform	<4.5		4.5	0.73	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
1,1,2,2-Tetrachloroethane	<4.5		4.5	0.61	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
Xylenes, Total	<9.0		9.0	0.63	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1
1,3-Dichloropropene, Total	<4.5		4.5	0.51	ug/Kg	☼	07/07/11 09:00	07/11/11 17:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		69 - 120	07/07/11 09:00	07/11/11 17:38	1
Toluene-d8 (Surr)	107		69 - 122	07/07/11 09:00	07/11/11 17:38	1
4-Bromofluorobenzene (Surr)	100		67 - 120	07/07/11 09:00	07/11/11 17:38	1
Dibromofluoromethane	108		69 - 120	07/07/11 09:00	07/11/11 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	7.0	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Acenaphthylene	<38		38	6.0	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Acenaphthene	<38		38	8.1	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Fluorene	<38		38	7.4	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Phenanthrene	<38		38	7.6	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B01D (10-12)

Lab Sample ID: 500-36349-3

Date Collected: 07/07/11 09:00

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<38		38	7.1	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Pyrene	<38		38	13	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Benzo[a]anthracene	<38		38	8.3	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Chrysene	15	J	38	12	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Benzo[b]fluoranthene	<38		38	8.0	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Benzo[k]fluoranthene	<38		38	9.1	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Indeno[1,2,3-cd]pyrene	15	J	38	9.8	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Dibenz(a,h)anthracene	13	J	38	9.8	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1
Benzo[g,h,i]perylene	19	J	38	9.4	ug/Kg	☼	07/12/11 16:33	07/14/11 18:36	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		22 - 110	07/12/11 16:33	07/14/11 18:36	1
2-Fluorobiphenyl	70		27 - 113	07/12/11 16:33	07/14/11 18:36	1
Terphenyl-d14	83		33 - 129	07/12/11 16:33	07/14/11 18:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.4		0.59	0.082	mg/Kg	☼	07/11/11 17:30	07/14/11 03:07	1
Barium	39		0.59	0.033	mg/Kg	☼	07/11/11 17:30	07/14/11 03:07	1
Cadmium	0.34		0.12	0.016	mg/Kg	☼	07/11/11 17:30	07/14/11 03:07	1
Chromium	17		0.59	0.050	mg/Kg	☼	07/11/11 17:30	07/14/11 03:07	1
Lead	9.8		0.29	0.14	mg/Kg	☼	07/11/11 17:30	07/14/11 03:07	1
Selenium	<0.59		0.59	0.16	mg/Kg	☼	07/11/11 17:30	07/14/11 03:07	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	07/11/11 17:30	07/14/11 03:07	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		07/15/11 10:30	07/15/11 20:27	1
Barium	0.30	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 20:27	1
Cadmium	0.0029	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 20:27	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 20:27	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 20:27	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 20:27	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 20:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:23	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.019	0.0019	mg/Kg	☼	07/14/11 08:50	07/14/11 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.30		0.200	0.200	SU			07/18/11 14:22	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B03 (2-4)

Lab Sample ID: 500-36349-6

Date Collected: 07/07/11 10:30

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 82.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.4		4.4	0.72	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Vinyl chloride	<4.4		4.4	0.61	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Bromomethane	<4.4		4.4	0.94	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Chloroethane	<4.4		4.4	0.92	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
1,1-Dichloroethene	<4.4		4.4	0.69	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Carbon disulfide	<4.4		4.4	0.62	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Acetone	11		4.4	2.1	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Methylene Chloride	<4.4		4.4	1.2	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
trans-1,2-Dichloroethene	<4.4		4.4	0.62	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Methyl tert-butyl ether	<4.4		4.4	0.66	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
1,1-Dichloroethane	<4.4		4.4	0.69	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
cis-1,2-Dichloroethene	<4.4		4.4	0.64	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Methyl Ethyl Ketone	<4.4		4.4	0.94	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Chloroform	<4.4		4.4	0.80	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
1,1,1-Trichloroethane	<4.4		4.4	0.84	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Carbon tetrachloride	<4.4		4.4	0.95	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Benzene	<4.4		4.4	0.47	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
1,2-Dichloroethane	<4.4		4.4	0.45	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Trichloroethene	<4.4		4.4	0.71	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
1,2-Dichloropropane	<4.4		4.4	0.99	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Bromodichloromethane	<4.4		4.4	0.66	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
cis-1,3-Dichloropropene	<4.4		4.4	0.50	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
methyl isobutyl ketone	<4.4		4.4	0.74	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Toluene	<4.4		4.4	0.85	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
trans-1,3-Dichloropropene	<4.4		4.4	0.99	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
1,1,2-Trichloroethane	<4.4		4.4	0.59	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Tetrachloroethene	<4.4		4.4	0.83	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
2-Hexanone	<4.4		4.4	0.62	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Dibromochloromethane	<4.4		4.4	0.60	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Chlorobenzene	<4.4		4.4	0.69	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Ethylbenzene	<4.4		4.4	0.66	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Styrene	<4.4		4.4	0.55	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Bromoform	<4.4		4.4	0.71	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
1,1,2,2-Tetrachloroethane	<4.4		4.4	0.59	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
Xylenes, Total	<8.7		8.7	0.61	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1
1,3-Dichloropropene, Total	<4.4		4.4	0.50	ug/Kg	*	07/07/11 10:30	07/11/11 18:03	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		69 - 120	07/07/11 10:30	07/11/11 18:03	1
Toluene-d8 (Surr)	105		69 - 122	07/07/11 10:30	07/11/11 18:03	1
4-Bromofluorobenzene (Surr)	101		67 - 120	07/07/11 10:30	07/11/11 18:03	1
Dibromofluoromethane	109		69 - 120	07/07/11 10:30	07/11/11 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.9	ug/Kg	*	07/12/11 16:33	07/14/11 18:57	1
Acenaphthylene	<38		38	5.9	ug/Kg	*	07/12/11 16:33	07/14/11 18:57	1
Acenaphthene	<38		38	8.0	ug/Kg	*	07/12/11 16:33	07/14/11 18:57	1
Fluorene	<38		38	7.3	ug/Kg	*	07/12/11 16:33	07/14/11 18:57	1
Phenanthrene	<38		38	7.5	ug/Kg	*	07/12/11 16:33	07/14/11 18:57	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B03 (2-4)

Lab Sample ID: 500-36349-6

Date Collected: 07/07/11 10:30

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<38		38	7.0	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Pyrene	<38		38	13	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Benzo[a]anthracene	<38		38	8.2	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Chrysene	<38		38	12	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Benzo[b]fluoranthene	<38		38	7.9	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Benzo[k]fluoranthene	<38		38	8.9	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Indeno[1,2,3-cd]pyrene	<38		38	9.7	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Dibenz[a,h]anthracene	<38		38	9.6	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1
Benzo[g,h,i]perylene	<38		38	9.3	ug/Kg	☼	07/12/11 16:33	07/14/11 18:57	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		22 - 110	07/12/11 16:33	07/14/11 18:57	1
2-Fluorobiphenyl	66		27 - 113	07/12/11 16:33	07/14/11 18:57	1
Terphenyl-d14	80		33 - 129	07/12/11 16:33	07/14/11 18:57	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.9		0.58	0.081	mg/Kg	☼	07/11/11 17:30	07/14/11 03:14	1
Barium	27		0.58	0.033	mg/Kg	☼	07/11/11 17:30	07/14/11 03:14	1
Cadmium	0.21		0.12	0.016	mg/Kg	☼	07/11/11 17:30	07/14/11 03:14	1
Chromium	13		0.58	0.049	mg/Kg	☼	07/11/11 17:30	07/14/11 03:14	1
Lead	5.7		0.29	0.14	mg/Kg	☼	07/11/11 17:30	07/14/11 03:14	1
Selenium	<0.58		0.58	0.16	mg/Kg	☼	07/11/11 17:30	07/14/11 03:14	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	07/11/11 17:30	07/14/11 03:14	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		07/15/11 10:30	07/15/11 22:48	1
Barium	0.28	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 22:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 22:48	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 22:48	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 22:48	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 22:48	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 22:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 08:55	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0018	mg/Kg	☼	07/14/11 08:50	07/14/11 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.01		0.200	0.200	SU			07/18/11 14:24	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B03 (10-12)

Lab Sample ID: 500-36349-7

Date Collected: 07/07/11 10:35

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 86.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.2		5.2	0.86	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Vinyl chloride	<5.2		5.2	0.73	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Bromomethane	<5.2		5.2	1.1	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Chloroethane	<5.2		5.2	1.1	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
1,1-Dichloroethene	<5.2		5.2	0.83	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Carbon disulfide	<5.2		5.2	0.75	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Acetone	<5.2		5.2	2.6	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Methylene Chloride	<5.2		5.2	1.5	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
trans-1,2-Dichloroethene	<5.2		5.2	0.75	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Methyl tert-butyl ether	<5.2		5.2	0.79	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
1,1-Dichloroethane	<5.2		5.2	0.83	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
cis-1,2-Dichloroethene	<5.2		5.2	0.77	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Methyl Ethyl Ketone	<5.2		5.2	1.1	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Chloroform	<5.2		5.2	0.97	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
1,1,1-Trichloroethane	<5.2		5.2	1.0	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Carbon tetrachloride	<5.2		5.2	1.1	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Benzene	<5.2		5.2	0.57	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
1,2-Dichloroethane	<5.2		5.2	0.54	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Trichloroethene	<5.2		5.2	0.85	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
1,2-Dichloropropane	<5.2		5.2	1.2	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Bromodichloromethane	<5.2		5.2	0.80	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
cis-1,3-Dichloropropene	<5.2		5.2	0.60	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
methyl isobutyl ketone	<5.2		5.2	0.89	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Toluene	<5.2		5.2	1.0	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
trans-1,3-Dichloropropene	<5.2		5.2	1.2	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
1,1,2-Trichloroethane	<5.2		5.2	0.70	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Tetrachloroethene	<5.2		5.2	1.0	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
2-Hexanone	<5.2		5.2	0.75	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Dibromochloromethane	<5.2		5.2	0.72	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Chlorobenzene	<5.2		5.2	0.83	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Ethylbenzene	<5.2		5.2	0.79	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Styrene	<5.2		5.2	0.66	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Bromoform	<5.2		5.2	0.85	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
1,1,2,2-Tetrachloroethane	<5.2		5.2	0.71	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
Xylenes, Total	<10		10	0.73	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1
1,3-Dichloropropene, Total	<5.2		5.2	0.60	ug/Kg	*	07/07/11 10:35	07/11/11 18:28	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		69 - 120	07/07/11 10:35	07/11/11 18:28	1
Toluene-d8 (Surr)	107		69 - 122	07/07/11 10:35	07/11/11 18:28	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/07/11 10:35	07/11/11 18:28	1
Dibromofluoromethane	109		69 - 120	07/07/11 10:35	07/11/11 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<37		37	6.7	ug/Kg	*	07/12/11 16:33	07/14/11 19:17	1
Acenaphthylene	<37		37	5.8	ug/Kg	*	07/12/11 16:33	07/14/11 19:17	1
Acenaphthene	<37		37	7.7	ug/Kg	*	07/12/11 16:33	07/14/11 19:17	1
Fluorene	<37		37	7.1	ug/Kg	*	07/12/11 16:33	07/14/11 19:17	1
Phenanthrene	<37		37	7.3	ug/Kg	*	07/12/11 16:33	07/14/11 19:17	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Client Sample ID: E1225B03 (10-12)

Lab Sample ID: 500-36349-7

Date Collected: 07/07/11 10:35

Matrix: Solid

Date Received: 07/07/11 16:50

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<37		37	6.8	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Pyrene	<37		37	13	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Benzo[a]anthracene	<37		37	8.0	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Chrysene	12	J	37	12	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Benzo[b]fluoranthene	<37		37	7.7	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Benzo[k]fluoranthene	<37		37	8.7	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Indeno[1,2,3-cd]pyrene	<37		37	9.4	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Dibenz(a,h)anthracene	<37		37	9.4	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Benzo[g,h,i]perylene	15	J	37	9.0	ug/Kg	☼	07/12/11 16:33	07/14/11 19:17	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	75		22 - 110				07/12/11 16:33	07/14/11 19:17	1
2-Fluorobiphenyl	74		27 - 113				07/12/11 16:33	07/14/11 19:17	1
Terphenyl-d14	82		33 - 129				07/12/11 16:33	07/14/11 19:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.7		0.56	0.078	mg/Kg	☼	07/11/11 17:30	07/14/11 03:20	1
Barium	26		0.56	0.031	mg/Kg	☼	07/11/11 17:30	07/14/11 03:20	1
Cadmium	0.47		0.11	0.015	mg/Kg	☼	07/11/11 17:30	07/14/11 03:20	1
Chromium	8.7		0.56	0.047	mg/Kg	☼	07/11/11 17:30	07/14/11 03:20	1
Lead	11		0.28	0.13	mg/Kg	☼	07/11/11 17:30	07/14/11 03:20	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	07/11/11 17:30	07/14/11 03:20	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/11/11 17:30	07/14/11 03:20	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		07/15/11 10:30	07/15/11 20:34	1
Barium	0.29	J	0.50	0.010	mg/L		07/15/11 10:30	07/15/11 20:34	1
Cadmium	0.0045	J	0.0050	0.0020	mg/L		07/15/11 10:30	07/15/11 20:34	1
Chromium	<0.025		0.025	0.010	mg/L		07/15/11 10:30	07/15/11 20:34	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/15/11 10:30	07/15/11 20:34	1
Selenium	<0.050		0.050	0.010	mg/L		07/15/11 10:30	07/15/11 20:34	1
Silver	<0.025		0.025	0.0050	mg/L		07/15/11 10:30	07/15/11 20:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 13:15	07/17/11 10:26	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.018	0.0018	mg/Kg	☼	07/14/11 08:50	07/14/11 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.66		0.200	0.200	SU			07/18/11 14:26	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control 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 is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	Duplicate RPD exceeds the control limit
F	MS or MSD exceeds the 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

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36349-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

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 Company: 37 W Monroe St Suite 550
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Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Chain of Custody Record
 Lab Job #: 500-36349
 Chain of Custody Number: F-0-12-09
 Page 1 of 1
 Temperature °C of Cooler: (3.4) (3.7)

Lab ID	MSMSD	Sample ID	Date	Time	Preservative	Parameter	# of Containers		M	W	Comments
							1	2			
1		E1225B01 (6-E)	7-7-11	0855	Voc	PAH	X	X	X	X	
2		E1225B01 (10-12)	7-7-11	0900			X	X	X	X	Wash Disposal BTEX + mTBE
3		E1225B01 D (10-12)	7-7-11	0900			X	X	X	X	PH/90 Solids
4		E1225E01	7-7-11	0905			X	X	X	X	TCLP REBA Metals
5		E12TR03	7-7-11	0905			X	X	X	X	Total REBA Metals
6		E1225B03 (2-4)	7-7-11	1030			X	X	X	X	
7		E1225B03 (10-12)	7-7-11	1035			X	X	X	X	
8		E1225B02 (4-6)	7-7-11	1230			X	X	X	X	
9		E1225B02 (8-10)	7-7-11	1245			X	X	X	X	
10		E1220G01	7-7-11	1420			X	X	X	X	

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

Requested Due Date _____

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

Received By: MS Date: 7-7-11 Time: 1155 Company: K-E

Received By: JA Date: 7-7-11 Time: 1500 Company: TA

Received By: JA Date: 7-7-11 Time: 1650 Company: TA

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Chain of Custody Record

Lab Job #: 500-36349
 Chain of Custody Number: EE6-12-10
 Page 1 of 1
 Temperature °C of Cooler: _____

Report To: Dawn Ticebort
 Contact: _____
 Company: PC
 Address: 33 W. Michigan St. Suite 512
 Address: Chicago, IL 60603
 Phone: 312.572.9243
 Fax: 312.572.9245
 E-Mail: dticebort@pc.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#:

Lab ID	MS/MSD	Sample ID	Date	Time	Preservative		Matrix	# Containers	PAH	BTEX + MWTRB	Total PCBs	Temp PCBs	Pb% s.d.r.	Wash Disposal	Comments
					Matrix	Containers									
11		E1224B01 (2-4)	7-7-11	1150			3	5	X	X	X	X	X		
12		E1224B01 (6-8)	7-7-11	1152			2	5	X	X	X	X	X		
13		E1220B04 (2-4)	7-7-11	1320			2	5	X	X	X	X	X		
14		E1220B04 (6-8)	7-7-11	1325			2	5	X	X	X	X	X		
15		E1220B01 (2-4)	7-7-11	1355			2	5	X	X	X	X	X		
16		E1220B01 (6-8)	7-7-11	1400			2	5	X	X	X	X	X		

Sample Disposal

Turnaround Time Required (Business Days)
 Requested Due Date: _____
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other _____
 Disposal by Lab Return to Client Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
<u>SATZ</u>	<u>PC</u>	<u>7-7-11</u>	<u>1455</u>	<u>[Signature]</u>	<u>PC</u>	<u>7-7-11</u>	<u>1500</u>
				<u>[Signature]</u>	<u>TA</u>	<u>7-7-11</u>	<u>1650</u>

Lab Counter	Shipped	Hand Delivered
<u>TA</u>		

Client Comments

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

4 W. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96075 Longitude: -87.93983
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434145488 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96075 Longitude: -87.93983

Uncontaminated Site 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 E1226B01, E1226B03, and E1226B04 were sampled within the construction zone adjacent to ISGS #1583V-26: Shell. Refer to PSI Report for ISGS #1583V-26: Shell including Table 4-5, and Figure 4-1A.

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

See attached data summary table and associated laboratory data package J36224.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

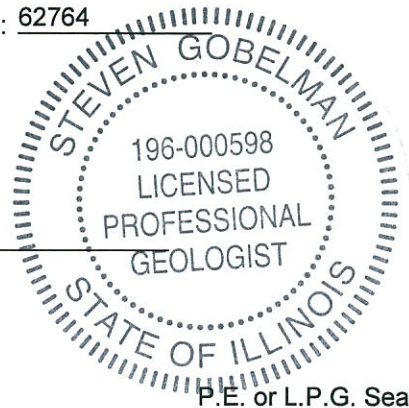
Steven Gobelman
Printed Name:



 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15

 Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05
CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-26 (Shell)										Comparison Criteria			
	E1226B01		E1226B03		E1226B04		E1226B04		MACs		Most Stringent	Within an MSA	Within Chicago	TACO SCGIER
	E1226B01 (2-4)	E1226B01 (16-18)	E1226B03 (2-4)	E1226B03 (10-12)	E1226B04 (4-6)	E1226B04 (6-8)	Soil	Soil	Soil	Soil				
SAMPLE	0.6-1.2	4.9-5.5	0.6-1.2	3.1-3.7	1.2-1.8	1.8-2.4								
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil								
DEPTH (m)	0.6-1.2	4.9-5.5	0.6-1.2	3.1-3.7	1.2-1.8	1.8-2.4								
pH	7.92	7.92	7.75	7.85	7.76	7.77								
VOCs (µg/kg)														
Methyl tert-butyl ether	ND U	ND U	ND U	17	ND U	ND U	320							
SVOCs (µg/kg)														
Benzofl[anthracene	ND U	13 J	ND U	9.9 J	ND U	11 J	900	1,800	1,100					
Benzofl[pyrene	ND U	12 J	ND U	11 J	ND U	10 J	90	2,100	1,300					
Benzofl[fluoranthene	ND U	13 J	ND U	19 J	ND U	19 J	900	2,100	1,500					
Benzofl[g,h,i]perylene	ND U	22 J	ND U	16 J	ND U	13 J	2,300,000	--	--					
Benzofl[k]fluoranthene	ND U	10 J	ND U	ND U	ND U	ND U	9,000	--	--					
Chrysene	ND U	24 J	ND U	23 J	ND U	19 J	88,000	--	--					
Fluoranthene	ND U	20 J	ND U	19 J	ND U	30 J	3,100,000	--	--					
Indeno[1,2,3-cd]pyrene	ND U	ND U	ND U	10 J	ND U	ND U	900	1,600	900					
Phenanthrene	ND U	37 J	ND U	ND U	ND U	22 J	210,000	--	--					
Pyrene	ND U	25 J	ND U	14 J	ND U	23 J	2,300,000	--	--					
Inorganics (mg/kg)														
Arsenic	6.8	5.9	7.0	7.6	7.5	9.0	11.3	13	--				0.05	
Barium	35	34	43	39	42	50	1,500	--	--				2	
Cadmium	0.041 J	0.038 J	0.074 J	0.034 J	0.070 J	0.041 J	5.2	--	--				0.005	
Chromium	14	17	16	16	16	16	21	--	--				0.1	
Lead	12	13	13	15	14	14	107	--	--				0.0075	
Mercury	0.046 B	0.040 B	0.046 B	0.046 B	0.047 B	0.047 B	0.89	--	--				0.002	
TCLP Metals (mg/L)														
Barium	0.35 J	0.42 J	0.44 J	0.38 J	0.41 J	0.39 J	1,500	--	--				2	
Cadmium	ND U	ND U	ND U	0.0026 J	ND U	ND U	5.2	--	--				0.005	
Mercury	ND U	ND U	ND U	0.00032 J B	ND U	ND U	1	--	--				0.002	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36224-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/18/2011 10:14:33 AM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Job ID: 500-36224-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-36224-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: All but 2 matrix spike (MS) recoveries for batch 118999 were outside control limits, biased low. The MSD recoveries were all within limits. All but 3 RPD's were > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required. E1226B01 (2-4) (500-36224-1)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Aroclor 1016 and DCB. E1226B02 (2-4) (500-36224-3)

Method(s) 8081A: The continuing calibration verification (CCV) for 115912 recovered above the upper control limit for Methoxyhclor, Toxaphene, and Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. E1226B02 (2-4) (500-36224-3)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The extraction blank for preparation batch 119116 contained Cr above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

No other analytical or quality issues were noted.

General Chemistry

Method(s) 9014: The cyanide matrix spike duplicate (MSD) precision for batch 118690 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B01 (2-4)

Lab Sample ID: 500-36224-1

Date Collected: 07/05/11 12:45

Matrix: Solid

Date Received: 07/06/11 07:00

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.4		4.4	0.47	ug/Kg	☼	07/05/11 12:45	07/08/11 10:09	1
Toluene	<4.4		4.4	0.85	ug/Kg	☼	07/05/11 12:45	07/08/11 10:09	1
Ethylbenzene	<4.4		4.4	0.66	ug/Kg	☼	07/05/11 12:45	07/08/11 10:09	1
Xylenes, Total	<8.8		8.8	0.61	ug/Kg	☼	07/05/11 12:45	07/08/11 10:09	1
Methyl tert-butyl ether	<4.4		4.4	0.66	ug/Kg	☼	07/05/11 12:45	07/08/11 10:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		69 - 120	07/05/11 12:45	07/08/11 10:09	1
Toluene-d8 (Surr)	104		69 - 122	07/05/11 12:45	07/08/11 10:09	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/05/11 12:45	07/08/11 10:09	1
Dibromofluoromethane	103		69 - 120	07/05/11 12:45	07/08/11 10:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.1	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Acenaphthylene	<39		39	6.1	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Acenaphthene	<39		39	8.2	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Fluorene	<39		39	7.5	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Phenanthrene	<39		39	7.7	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Anthracene	<39		39	7.2	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Pyrene	<39		39	14	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Benzo[a]anthracene	<39		39	8.4	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Chrysene	<39		39	13	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Benzo[b]fluoranthene	<39		39	8.1	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Benzo[k]fluoranthene	<39		39	9.2	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Dibenz(a,h)anthracene	<39		39	9.9	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1
Benzo[g,h,i]perylene	<39		39	9.6	ug/Kg	☼	07/11/11 16:33	07/13/11 18:31	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		22 - 110	07/11/11 16:33	07/13/11 18:31	1
2-Fluorobiphenyl	73		27 - 113	07/11/11 16:33	07/13/11 18:31	1
Terphenyl-d14	76		33 - 129	07/11/11 16:33	07/13/11 18:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.8		0.56	0.078	mg/Kg	☼	07/06/11 17:15	07/12/11 03:42	1
Barium	35		0.56	0.031	mg/Kg	☼	07/06/11 17:15	07/12/11 03:42	1
Cadmium	0.041	J	0.11	0.015	mg/Kg	☼	07/06/11 17:15	07/12/11 03:42	1
Chromium	14		0.56	0.047	mg/Kg	☼	07/06/11 17:15	07/12/11 03:42	1
Lead	12		0.28	0.13	mg/Kg	☼	07/06/11 17:15	07/12/11 14:20	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	07/06/11 17:15	07/12/11 03:42	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/06/11 17:15	07/12/11 03:42	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		07/13/11 10:15	07/13/11 19:56	1
Barium	0.35	J	0.50	0.010	mg/L		07/13/11 10:15	07/13/11 19:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/13/11 10:15	07/13/11 19:56	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B01 (2-4)

Lab Sample ID: 500-36224-1

Date Collected: 07/05/11 12:45

Matrix: Solid

Date Received: 07/06/11 07:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/13/11 10:15	07/13/11 19:56	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/13/11 10:15	07/13/11 19:56	1
Selenium	<0.050		0.050	0.010	mg/L		07/13/11 10:15	07/13/11 19:56	1
Silver	<0.025		0.025	0.0050	mg/L		07/13/11 10:15	07/13/11 19:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/14/11 07:50	07/14/11 13:21	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046	B	0.018	0.0018	mg/Kg	☼	07/13/11 08:25	07/13/11 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.92		0.200	0.200	SU			07/07/11 13:25	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B01 (16-18)

Lab Sample ID: 500-36224-2

Date Collected: 07/05/11 12:55

Matrix: Solid

Date Received: 07/06/11 07:00

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.4		4.4	0.48	ug/Kg	☼	07/05/11 12:55	07/08/11 10:33	1
Toluene	<4.4		4.4	0.85	ug/Kg	☼	07/05/11 12:55	07/08/11 10:33	1
Ethylbenzene	<4.4		4.4	0.66	ug/Kg	☼	07/05/11 12:55	07/08/11 10:33	1
Xylenes, Total	<8.8		8.8	0.62	ug/Kg	☼	07/05/11 12:55	07/08/11 10:33	1
Methyl tert-butyl ether	<4.4		4.4	0.66	ug/Kg	☼	07/05/11 12:55	07/08/11 10:33	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		69 - 120	07/05/11 12:55	07/08/11 10:33	1
Toluene-d8 (Surr)	105		69 - 122	07/05/11 12:55	07/08/11 10:33	1
4-Bromofluorobenzene (Surr)	102		67 - 120	07/05/11 12:55	07/08/11 10:33	1
Dibromofluoromethane	108		69 - 120	07/05/11 12:55	07/08/11 10:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<40		40	7.2	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Acenaphthylene	<40		40	6.2	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Acenaphthene	<40		40	8.3	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Fluorene	<40		40	7.6	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Phenanthrene	37	J	40	7.8	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Anthracene	<40		40	7.3	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Fluoranthene	20	J	40	7.4	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Pyrene	25	J	40	14	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Benzo[a]anthracene	13	J	40	8.5	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Chrysene	24	J	40	13	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Benzo[b]fluoranthene	13	J	40	8.2	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Benzo[k]fluoranthene	10	J	40	9.3	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Benzo[a]pyrene	12	J	40	7.6	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Dibenz(a,h)anthracene	<40		40	10	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1
Benzo[g,h,i]perylene	22	J	40	9.7	ug/Kg	☼	07/11/11 16:33	07/13/11 18:53	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	65		22 - 110	07/11/11 16:33	07/13/11 18:53	1
2-Fluorobiphenyl	72		27 - 113	07/11/11 16:33	07/13/11 18:53	1
Terphenyl-d14	82		33 - 129	07/11/11 16:33	07/13/11 18:53	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.9		0.58	0.081	mg/Kg	☼	07/06/11 17:15	07/12/11 03:49	1
Barium	34		0.58	0.033	mg/Kg	☼	07/06/11 17:15	07/12/11 03:49	1
Cadmium	0.038	J	0.12	0.016	mg/Kg	☼	07/06/11 17:15	07/12/11 03:49	1
Chromium	17		0.58	0.049	mg/Kg	☼	07/06/11 17:15	07/12/11 03:49	1
Lead	13		0.29	0.14	mg/Kg	☼	07/06/11 17:15	07/12/11 14:25	1
Selenium	<0.58		0.58	0.16	mg/Kg	☼	07/06/11 17:15	07/12/11 03:49	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	07/06/11 17:15	07/12/11 03:49	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		07/13/11 10:15	07/13/11 20:02	1
Barium	0.42	J	0.50	0.010	mg/L		07/13/11 10:15	07/13/11 20:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/13/11 10:15	07/13/11 20:02	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B01 (16-18)

Lab Sample ID: 500-36224-2

Date Collected: 07/05/11 12:55

Matrix: Solid

Date Received: 07/06/11 07:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/13/11 10:15	07/13/11 20:02	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/13/11 10:15	07/13/11 20:02	1
Selenium	<0.050		0.050	0.010	mg/L		07/13/11 10:15	07/13/11 20:02	1
Silver	<0.025		0.025	0.0050	mg/L		07/13/11 10:15	07/13/11 20:02	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/14/11 07:50	07/14/11 13:30	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040	B	0.018	0.0018	mg/Kg	☼	07/13/11 08:25	07/13/11 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.92		0.200	0.200	SU			07/07/11 13:30	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B03 (2-4)

Lab Sample ID: 500-36224-4

Date Collected: 07/05/11 13:50

Matrix: Solid

Date Received: 07/06/11 07:00

Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.9		4.9	0.53	ug/Kg	☼	07/05/11 13:50	07/08/11 10:57	1
Toluene	<4.9		4.9	0.95	ug/Kg	☼	07/05/11 13:50	07/08/11 10:57	1
Ethylbenzene	<4.9		4.9	0.74	ug/Kg	☼	07/05/11 13:50	07/08/11 10:57	1
Xylenes, Total	<9.8		9.8	0.69	ug/Kg	☼	07/05/11 13:50	07/08/11 10:57	1
Methyl tert-butyl ether	<4.9		4.9	0.74	ug/Kg	☼	07/05/11 13:50	07/08/11 10:57	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		69 - 120	07/05/11 13:50	07/08/11 10:57	1
Toluene-d8 (Surr)	103		69 - 122	07/05/11 13:50	07/08/11 10:57	1
4-Bromofluorobenzene (Surr)	102		67 - 120	07/05/11 13:50	07/08/11 10:57	1
Dibromofluoromethane	106		69 - 120	07/05/11 13:50	07/08/11 10:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	7.0	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Acenaphthylene	<38		38	6.0	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Acenaphthene	<38		38	8.0	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Fluorene	<38		38	7.3	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Phenanthrene	<38		38	7.5	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Anthracene	<38		38	7.0	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Pyrene	<38		38	13	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Benzo[a]anthracene	<38		38	8.2	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Chrysene	<38		38	12	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Benzo[b]fluoranthene	<38		38	8.0	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Benzo[k]fluoranthene	<38		38	9.0	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Dibenz(a,h)anthracene	<38		38	9.7	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1
Benzo[g,h,i]perylene	<38		38	9.3	ug/Kg	☼	07/11/11 16:33	07/13/11 19:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		22 - 110	07/11/11 16:33	07/13/11 19:38	1
2-Fluorobiphenyl	81		27 - 113	07/11/11 16:33	07/13/11 19:38	1
Terphenyl-d14	91		33 - 129	07/11/11 16:33	07/13/11 19:38	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.0		0.57	0.080	mg/Kg	☼	07/06/11 17:15	07/12/11 04:01	1
Barium	43		0.57	0.032	mg/Kg	☼	07/06/11 17:15	07/12/11 04:01	1
Cadmium	0.074	J	0.11	0.015	mg/Kg	☼	07/06/11 17:15	07/12/11 04:01	1
Chromium	16		0.57	0.048	mg/Kg	☼	07/06/11 17:15	07/12/11 04:01	1
Lead	13		0.28	0.14	mg/Kg	☼	07/06/11 17:15	07/12/11 14:37	1
Selenium	<0.57		0.57	0.16	mg/Kg	☼	07/06/11 17:15	07/12/11 04:01	1
Silver	<0.28		0.28	0.036	mg/Kg	☼	07/06/11 17:15	07/12/11 04:01	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		07/13/11 10:15	07/13/11 20:14	1
Barium	0.44	J	0.50	0.010	mg/L		07/13/11 10:15	07/13/11 20:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/13/11 10:15	07/13/11 20:14	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B03 (2-4)

Lab Sample ID: 500-36224-4

Date Collected: 07/05/11 13:50

Matrix: Solid

Date Received: 07/06/11 07:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/13/11 10:15	07/13/11 20:14	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/13/11 10:15	07/13/11 20:14	1
Selenium	<0.050		0.050	0.010	mg/L		07/13/11 10:15	07/13/11 20:14	1
Silver	<0.025		0.025	0.0050	mg/L		07/13/11 10:15	07/13/11 20:14	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/14/11 07:50	07/14/11 13:35	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046	B	0.018	0.0018	mg/Kg	☼	07/13/11 08:25	07/13/11 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.75		0.200	0.200	SU			07/07/11 13:39	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B03 (10-12)

Lab Sample ID: 500-36224-5

Date Collected: 07/05/11 13:55

Matrix: Solid

Date Received: 07/06/11 07:00

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.54	ug/Kg	☼	07/05/11 13:55	07/08/11 11:23	1
Toluene	<5.0		5.0	0.98	ug/Kg	☼	07/05/11 13:55	07/08/11 11:23	1
Ethylbenzene	<5.0		5.0	0.76	ug/Kg	☼	07/05/11 13:55	07/08/11 11:23	1
Xylenes, Total	<10		10	0.70	ug/Kg	☼	07/05/11 13:55	07/08/11 11:23	1
Methyl tert-butyl ether	17		5.0	0.76	ug/Kg	☼	07/05/11 13:55	07/08/11 11:23	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		69 - 120	07/05/11 13:55	07/08/11 11:23	1
Toluene-d8 (Surr)	105		69 - 122	07/05/11 13:55	07/08/11 11:23	1
4-Bromofluorobenzene (Surr)	102		67 - 120	07/05/11 13:55	07/08/11 11:23	1
Dibromofluoromethane	111		69 - 120	07/05/11 13:55	07/08/11 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.0	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Acenaphthylene	<39		39	6.0	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Acenaphthene	<39		39	8.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Fluorene	<39		39	7.4	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Phenanthrene	<39		39	7.6	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Anthracene	<39		39	7.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Fluoranthene	19	J	39	7.2	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Pyrene	14	J	39	13	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Benzo[a]anthracene	9.9	J	39	8.3	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Chrysene	23	J	39	12	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Benzo[b]fluoranthene	19	J	39	8.0	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Benzo[k]fluoranthene	<39		39	9.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Benzo[a]pyrene	11	J	39	7.4	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Indeno[1,2,3-cd]pyrene	10	J	39	9.9	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Dibenz(a,h)anthracene	<39		39	9.8	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1
Benzo[g,h,i]perylene	16	J	39	9.4	ug/Kg	☼	07/11/11 16:33	07/13/11 20:01	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		22 - 110	07/11/11 16:33	07/13/11 20:01	1
2-Fluorobiphenyl	76		27 - 113	07/11/11 16:33	07/13/11 20:01	1
Terphenyl-d14	76		33 - 129	07/11/11 16:33	07/13/11 20:01	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.6		0.60	0.084	mg/Kg	☼	07/06/11 17:15	07/12/11 04:07	1
Barium	39		0.60	0.033	mg/Kg	☼	07/06/11 17:15	07/12/11 04:07	1
Cadmium	0.034	J	0.12	0.016	mg/Kg	☼	07/06/11 17:15	07/12/11 04:07	1
Chromium	16		0.60	0.051	mg/Kg	☼	07/06/11 17:15	07/12/11 04:07	1
Lead	15		0.30	0.14	mg/Kg	☼	07/06/11 17:15	07/12/11 14:43	1
Selenium	<0.60		0.60	0.17	mg/Kg	☼	07/06/11 17:15	07/12/11 04:07	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	07/06/11 17:15	07/12/11 04:07	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		07/13/11 10:15	07/13/11 20:35	1
Barium	0.38	J	0.50	0.010	mg/L		07/13/11 10:15	07/13/11 20:35	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		07/13/11 10:15	07/13/11 20:35	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B03 (10-12)

Lab Sample ID: 500-36224-5

Date Collected: 07/05/11 13:55

Matrix: Solid

Date Received: 07/06/11 07:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/13/11 10:15	07/13/11 20:35	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/13/11 10:15	07/13/11 20:35	1
Selenium	<0.050		0.050	0.010	mg/L		07/13/11 10:15	07/13/11 20:35	1
Silver	<0.025		0.025	0.0050	mg/L		07/13/11 10:15	07/13/11 20:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00032	J B	0.0020	0.00020	mg/L		07/14/11 07:50	07/14/11 14:03	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046	B	0.018	0.0019	mg/Kg	☼	07/13/11 08:25	07/13/11 12:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.85		0.200	0.200	SU			07/07/11 13:43	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B04 (4-6)

Lab Sample ID: 500-36224-6

Date Collected: 07/05/11 14:20

Matrix: Solid

Date Received: 07/06/11 07:00

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.6		4.6	0.50	ug/Kg	☼	07/05/11 14:20	07/08/11 11:47	1
Toluene	<4.6		4.6	0.90	ug/Kg	☼	07/05/11 14:20	07/08/11 11:47	1
Ethylbenzene	<4.6		4.6	0.70	ug/Kg	☼	07/05/11 14:20	07/08/11 11:47	1
Xylenes, Total	<9.3		9.3	0.65	ug/Kg	☼	07/05/11 14:20	07/08/11 11:47	1
Methyl tert-butyl ether	<4.6		4.6	0.70	ug/Kg	☼	07/05/11 14:20	07/08/11 11:47	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		69 - 120	07/05/11 14:20	07/08/11 11:47	1
Toluene-d8 (Surr)	106		69 - 122	07/05/11 14:20	07/08/11 11:47	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/05/11 14:20	07/08/11 11:47	1
Dibromofluoromethane	108		69 - 120	07/05/11 14:20	07/08/11 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Acenaphthylene	<39		39	6.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Acenaphthene	<39		39	8.2	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Fluorene	<39		39	7.5	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Phenanthrene	<39		39	7.8	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Anthracene	<39		39	7.2	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Fluoranthene	10	J	39	7.3	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Pyrene	<39		39	14	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Benzo[a]anthracene	<39		39	8.5	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Chrysene	15	J	39	13	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Benzo[b]fluoranthene	10	J	39	8.2	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Benzo[k]fluoranthene	<39		39	9.2	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Dibenz(a,h)anthracene	<39		39	10	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1
Benzo[g,h,i]perylene	<39		39	9.6	ug/Kg	☼	07/11/11 16:33	07/13/11 20:23	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	85		22 - 110	07/11/11 16:33	07/13/11 20:23	1
2-Fluorobiphenyl	88		27 - 113	07/11/11 16:33	07/13/11 20:23	1
Terphenyl-d14	90		33 - 129	07/11/11 16:33	07/13/11 20:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.5		0.57	0.080	mg/Kg	☼	07/06/11 17:15	07/12/11 04:13	1
Barium	42		0.57	0.032	mg/Kg	☼	07/06/11 17:15	07/12/11 04:13	1
Cadmium	0.070	J	0.11	0.015	mg/Kg	☼	07/06/11 17:15	07/12/11 04:13	1
Chromium	16		0.57	0.048	mg/Kg	☼	07/06/11 17:15	07/12/11 04:13	1
Lead	14		0.29	0.14	mg/Kg	☼	07/06/11 17:15	07/12/11 14:48	1
Selenium	<0.57		0.57	0.16	mg/Kg	☼	07/06/11 17:15	07/12/11 04:13	1
Silver	<0.29		0.29	0.036	mg/Kg	☼	07/06/11 17:15	07/12/11 04:13	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		07/13/11 10:15	07/13/11 20:41	1
Barium	0.41	J	0.50	0.010	mg/L		07/13/11 10:15	07/13/11 20:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/13/11 10:15	07/13/11 20:41	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B04 (4-6)

Lab Sample ID: 500-36224-6

Date Collected: 07/05/11 14:20

Matrix: Solid

Date Received: 07/06/11 07:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/13/11 10:15	07/13/11 20:41	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/13/11 10:15	07/13/11 20:41	1
Selenium	<0.050		0.050	0.010	mg/L		07/13/11 10:15	07/13/11 20:41	1
Silver	<0.025		0.025	0.0050	mg/L		07/13/11 10:15	07/13/11 20:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/14/11 07:50	07/14/11 13:38	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.047	B	0.019	0.0020	mg/Kg	☼	07/13/11 08:25	07/13/11 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.76		0.200	0.200	SU			07/07/11 13:48	1

- 1
- 2
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- 4
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- 7
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- 10
- 11
- 12
- 13
- 14

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B04 (6-8)

Lab Sample ID: 500-36224-7

Date Collected: 07/05/11 14:30

Matrix: Solid

Date Received: 07/06/11 07:00

Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.8		4.8	0.52	ug/Kg	☼	07/05/11 14:30	07/08/11 12:12	1
Toluene	<4.8		4.8	0.93	ug/Kg	☼	07/05/11 14:30	07/08/11 12:12	1
Ethylbenzene	<4.8		4.8	0.72	ug/Kg	☼	07/05/11 14:30	07/08/11 12:12	1
Xylenes, Total	<9.6		9.6	0.67	ug/Kg	☼	07/05/11 14:30	07/08/11 12:12	1
Methyl tert-butyl ether	<4.8		4.8	0.72	ug/Kg	☼	07/05/11 14:30	07/08/11 12:12	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		69 - 120	07/05/11 14:30	07/08/11 12:12	1
Toluene-d8 (Surr)	107		69 - 122	07/05/11 14:30	07/08/11 12:12	1
4-Bromofluorobenzene (Surr)	105		67 - 120	07/05/11 14:30	07/08/11 12:12	1
Dibromofluoromethane	112		69 - 120	07/05/11 14:30	07/08/11 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Acenaphthylene	<39		39	6.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Acenaphthene	<39		39	8.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Fluorene	<39		39	7.4	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Phenanthrene	22	J	39	7.7	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Anthracene	<39		39	7.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Fluoranthene	30	J	39	7.3	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Pyrene	23	J	39	13	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Benzo[a]anthracene	11	J	39	8.4	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Chrysene	19	J	39	12	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Benzo[b]fluoranthene	19	J	39	8.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Benzo[k]fluoranthene	<39		39	9.1	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Benzo[a]pyrene	10	J	39	7.5	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Indeno[1,2,3-cd]pyrene	<39		39	9.9	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Dibenz(a,h)anthracene	<39		39	9.9	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1
Benzo[g,h,i]perylene	13	J	39	9.5	ug/Kg	☼	07/11/11 16:33	07/13/11 20:46	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		22 - 110	07/11/11 16:33	07/13/11 20:46	1
2-Fluorobiphenyl	62		27 - 113	07/11/11 16:33	07/13/11 20:46	1
Terphenyl-d14	71		33 - 129	07/11/11 16:33	07/13/11 20:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.0		0.58	0.081	mg/Kg	☼	07/06/11 17:15	07/12/11 04:34	1
Barium	50		0.58	0.033	mg/Kg	☼	07/06/11 17:15	07/12/11 04:34	1
Cadmium	0.041	J	0.12	0.016	mg/Kg	☼	07/06/11 17:15	07/12/11 04:34	1
Chromium	16		0.58	0.049	mg/Kg	☼	07/06/11 17:15	07/12/11 04:34	1
Lead	14		0.29	0.14	mg/Kg	☼	07/06/11 17:15	07/12/11 15:02	1
Selenium	<0.58		0.58	0.16	mg/Kg	☼	07/06/11 17:15	07/12/11 04:34	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	07/06/11 17:15	07/12/11 04:34	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		07/13/11 10:15	07/13/11 20:48	1
Barium	0.39	J	0.50	0.010	mg/L		07/13/11 10:15	07/13/11 20:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/13/11 10:15	07/13/11 20:48	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Client Sample ID: E1226B04 (6-8)

Lab Sample ID: 500-36224-7

Date Collected: 07/05/11 14:30

Matrix: Solid

Date Received: 07/06/11 07:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		07/13/11 10:15	07/13/11 20:48	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/13/11 10:15	07/13/11 20:48	1
Selenium	<0.050		0.050	0.010	mg/L		07/13/11 10:15	07/13/11 20:48	1
Silver	<0.025		0.025	0.0050	mg/L		07/13/11 10:15	07/13/11 20:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/14/11 07:50	07/14/11 13:40	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.047	B	0.019	0.0019	mg/Kg	☼	07/13/11 08:25	07/13/11 12:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.77		0.200	0.200	SU			07/07/11 13:53	1

- 1
- 2
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Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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

General Chemistry

Qualifier	Qualifier Description
F	RPD of the MS and MSD 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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

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Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36224-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To: Dean Teichert
 Contact: 708.534.5200
 Company: TestAmerica
 Address: 33 W. Monroe St. Suite 500
 Address: Chicago, IL 60653
 Phone: 312.576.9243
 Fax: 312.576.9345
 E-Mail: dean@testamerica.com

(optional)

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#:

Chain of Custody Record

Lab Job #: 500-36224
 Chain of Custody Number: EE6-12-06
 Page 1 of 1
 Temperature °C of Cooler: 3.5

Lab ID	MSW/S	Sample ID	Date	Time	Preservative	Containers	Matrix	Parameters							Comments	
								PAH	Total PCBs	Metals	Metals	TCB PCBs	Metals	PH/% solids		Wast
1		E1226 B01 (2-4)	7-5-11	1245	Z S	2 S	S	X	X	X	X	X	X	X	X	
2		E1226 B01 (16-18)	7-5-11	1255	Z S	2 S	S	X	X	X	X	X	X	X	X	
3		E1226 B02 (2-4)	7-5-11	1320	Z S	3 S	S	X	X	X	X	X	X	X	X	
4		E1226 B03 (2-4)	7-5-11	1350	Z S	2 S	S	X	X	X	X	X	X	X	X	
5		E1226 B03 (10-10)	7-5-11	1355	Z S	2 S	S	X	X	X	X	X	X	X	X	
6		E1226 B04 (4-6)	7-5-11	1200	Z S	2 S	S	X	X	X	X	X	X	X	X	
7		E1226 B04 (6-8)	7-5-11	1130	Z S	2 S	S	X	X	X	X	X	X	X	X	

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

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

Relinquished By: SPRS Company: TEC Date: 7-5-11 Time: 1500
 Relinquished By: SPRS Company: TEC Date: 7-5-11 Time: 1500
 Relinquished By: SPRS Company: TEC Date: 7-5-11 Time: 1500

Received By: SPRS Company: TEC Date: 7-5-11 Time: 1500
 Received By: SPRS Company: TEC Date: 7-5-11 Time: 1500
 Received By: SPRS Company: TEC Date: 7-5-11 Time: 1500

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____

Matrix Key:
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air

SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

100 to 300 block of N. York Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96083 Longitude: -87.93937
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96083 Longitude: -87.93937

Uncontaminated Site 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 E1227B01, E1227B02, E1227B03, E1227B04, E1227B05, E1227B06, E1227B10, E1227B11, and E1227B12, were sampled within the construction zone adjacent to ISGS #1583V-27: Canadian National Railroad. Refer to PSI Report for ISGS #1583V-27: Canadian National Railroad including Table 4-5, and Figures 4-1A, 4-3A, and 4-5A.

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

See attached data summary table and associated laboratory data packages J36265, J36452, and J36486.

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

I, Steven Gobelman (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: Illinois Department of Transportation

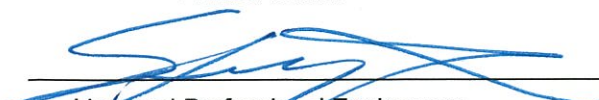
Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

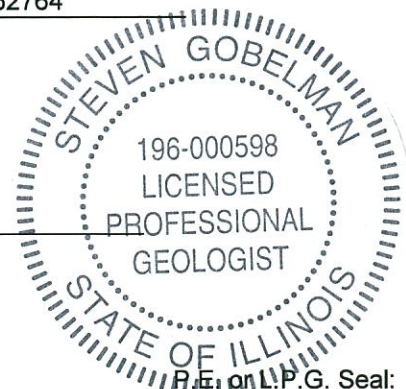
Phone: 217-785-4246

Steven Gobelman

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15
 Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-27 (Canadian National Railroad)						Comparison Criteria			
	E1227B01		E1227B02		E1227B03		MACs			TACO SCGIER
BORING	E1227B01(0-2)	E1227B01(6-8)	E1227B02(0-2)	E1227B02(16-18)	E1227B03(2-4)	E1227B03(8-10)	Most Stringent	Within an MSA	Within Chicago	
SAMPLE	Soil	Soil	Soil	Soil	Soil	Soil				
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil				
DEPTH (m)	0.0-0.6	1.8-2.4	0.0-0.6	4.9-5.5	0.6-1.2	2.4-3.1				
pH	7.96	8.07	8.21	7.87	7.78	7.79				
VOCs (µg/kg)										
Acetone	ND U	4.1 J	ND U	ND U	ND U	15	25,000	--	--	--
Methyl Ethyl Ketone	ND U	ND U	ND U	ND U	ND U	ND U	17,000	--	--	--
SVOCs (µg/kg)										
2-Methylnaphthalene	ND U	ND U	ND U	69 J	ND U	ND U	--	--	--	--
Acenaphthene	14 J	ND U	18 J	ND U	13 J	ND U	570,000	--	--	--
Acenaphthylene	11 J	ND U	9.6 J	ND U	ND U	ND U	85,000	--	--	--
Anthracene	40	ND U	63	ND U	37 J	ND U	12,000,000	--	--	--
Benzo[a]anthracene	300	ND U	340	ND U	250	ND U	900	1,800	1,100	--
Benzo[a]pyrene	280 †	ND U	290 †	ND U	190 †	ND U	90	2,100	1,300	--
Benzo[b]fluoranthene	340	ND U	370	ND U	280	ND U	900	2,100	1,500	--
Benzo[g,h,i]perylene	180	15 J	190	39	110	ND U	2,300,000	--	--	--
Benzo[k]fluoranthene	190	ND U	200	ND U	120	ND U	9,000	--	--	--
Bis(2-ethylhexyl) phthalate	ND U	ND U	43 J	ND U	ND U	ND U	46,000	--	--	--
Carbazole	33 J	ND U	36 J	ND U	30 J	ND U	600	--	--	--
Chrysene	340	ND U	350	20 J	250	ND U	88,000	--	--	--
Dibenzo(a,h)anthracene	89	ND U	57	ND U	60	ND U	90	420	200	--
Dibenzofuran	ND U	ND U	ND U	ND U	ND U	ND U	--	--	--	--
Fluoranthene	610	ND U	660	ND U	530	ND U	3,100,000	--	--	--
Fluorene	18 J	ND U	25 J	ND U	20 J	ND U	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	160	9.5 J	170	ND U	110	ND U	900	1,600	900	--
Naphthalene	ND U	ND U	ND U	22 J	ND U	ND U	1,800	--	--	--
Phenanthrene	290	ND U	390	59	250	ND U	210,000	--	--	--
Pyrene	530	ND U	620	13 J	450	ND U	2,300,000	--	--	--
PCBs (µg/kg)										
PCB-1260	ND U	ND U	ND U	ND U	ND U	ND U	1,000	--	--	--
PCBs, total	ND	ND	ND	ND	ND	ND	--	--	--	--
Inorganics (mg/kg)										
Antimony	0.22 J	0.23 J	0.40 J	0.24 J	0.29 J	0.28 J	5	--	--	--
Arsenic	9.9	5.4	8.7	7.3	11	3.3	11.3	13	--	--
Barium	69	46	68	45	110	76	1,500	--	--	--
Beryllium	0.64	0.56	0.77	0.59	0.72	0.65	22	--	--	--
Cadmium	0.088 J	0.23	0.31	0.24	0.35	0.32	5.2	--	--	--
Chromium	16	18	19	18	17	17	21	--	--	--
Copper	19	22	27	26	22	28	2,900	--	--	--
Lead	21	10	40	11	33	13	107	--	--	--
Mercury	0.043	0.024	0.059	0.022	0.036	0.041	0.89	--	--	--
Nickel	18 ^	25 ^	25 ^	27 ^	23 ^	23 ^	100	--	--	--
Selenium	ND U	ND U L	ND U	ND U L	ND U	2.9 †	1.3	--	--	--
Silver	ND U	ND U	ND U	ND U	ND U	0.055 J	4.4	--	--	--
Thallium	0.44 J	ND U	ND U	ND U	ND U	ND U	2.6	--	--	--
Zinc	49	38	57	40	63	57	5,100	--	--	--
TCLP Metals (mg/L)										
Barium	0.27 J	0.34 J	0.36 J	0.69	0.55	0.56	--	--	--	2
Copper	ND U	0.011 J	ND U	0.012 J	0.019 J	0.017 J	--	--	--	0.65
Lead	ND U	ND U	ND U	ND U	ND U	0.0064 J	--	--	--	0.0075
Nickel	ND U	ND U	ND U	0.055	ND U	0.026	--	--	--	0.1
Selenium	ND U	ND U	ND U	ND U	ND U	ND U	--	--	--	0.05
Zinc	ND U	0.031 J B	ND U	0.026 J	0.043 J	0.046 J	--	--	--	5

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-27 (Canadian National Railroad)						Comparison Criteria			
	E1227B04		E1227B05		E1227B06		MACs			
BORING	E1227B04 (8-10)		E1227B05 (0-2)		E1227B06 (0-2)		Most Stringent	Within an MSA	Within Chicago	TACO SCGIER
SAMPLE	Soil	Soil	Soil	Soil	Soil	Soil				
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil				
DEPTH (m)	2.4-3.1	4.9-5.5	0.0-0.6	1.8-2.4	0.0-0.6	1.2-1.8				
pH	8.08	7.94	8.18	8.00	8.15	7.87				
VOCs (µg/kg)										
Acetone	ND U	7.1	ND U	9.2	ND U	ND U	25,000	--	--	--
Methyl Ethyl Ketone	ND U	ND U	ND U	ND U	ND U	ND U	17,000	--	--	--
SVOCs (µg/kg)										
2-Methylnaphthalene	ND U	37 J	ND U	ND U	ND U	ND U	--	--	--	--
Acenaphthene	ND U	ND U	ND U	ND U	14 J	ND U	570,000	--	--	--
Acenaphthylene	ND U	ND U	ND U	ND U	ND U	ND U	85,000	--	--	--
Anthracene	ND U	ND U	19 J	ND U	79	ND U	12,000,000	--	--	--
Benzo[a]anthracene	ND U	ND U	120	ND U	340	ND U	900	1,800	1,100	--
Benzo[a]pyrene	ND U	ND U	130 †	ND U	290 †	ND U	90	2,100	1,300	--
Benzo[b]fluoranthene	ND U	ND U	180	ND U	370	ND U	900	2,100	1,500	--
Benzo[g,h,i]perylene	30 J	26 J	95	ND U	210	ND U	2,300,000	--	--	--
Benzo[k]fluoranthene	ND U	ND U	61	ND U	160	ND U	9,000	--	--	--
Bis(2-ethylhexyl) phthalate	ND U	ND U	410	ND U	98 J	ND U	46,000	--	--	--
Carbazole	ND U	ND U	ND U	ND U	26 J	ND U	600	--	--	--
Chrysene	ND U	ND U	150	ND U	340	ND U	88,000	--	--	--
Dibenzo[a,h]anthracene	ND U	ND U	30 J	ND U	95 †	ND U	90	420	200	--
Dibenzofuran	ND U	ND U	ND U	ND U	ND U	ND U	--	--	--	--
Fluoranthene	8.8 J	ND U	220	ND U	600	ND U	3,100,000	--	--	--
Fluorene	ND U	ND U	ND U	ND U	19 J	ND U	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	ND U	ND U	80	ND U	190	ND U	900	1,600	900	--
Naphthalene	ND U	8.9 J	ND U	ND U	ND U	ND U	1,800	--	--	--
Phenanthrene	24 J	48	100	ND U	290	ND U	210,000	--	--	--
Pyrene	19 J	15 J	250	ND U	630	ND U	2,300,000	--	--	--
PCBs (µg/kg)										
PCB-1260	ND U	ND U	22	ND U	10 J	ND U	1,000	--	--	--
PCBs, total	ND	ND	22	ND	10	ND	--	--	--	--
Inorganics (mg/kg)										
Antimony	0.22 J	0.22 J	0.14 J	0.19 J	0.26 J	0.32 J	5	--	--	--
Arsenic	7.2	6.6	8.8	6.5	5.2	7.2	11.3	13	--	--
Barium	52	46	94	67	76	97	1,500	--	--	--
Beryllium	0.65	0.63	0.75	0.61	0.69	0.96	22	--	--	--
Cadmium	0.22	0.21	0.42	0.31	0.31	0.13	5.2	--	--	--
Chromium	20	19	21	18	19	24 †	21	--	--	--
Copper	24	27	28	22	21	26	2,900	--	--	--
Lead	11	13	52	11	39	15	107	--	--	--
Mercury	0.022	0.021	0.061	0.024	0.054	0.049	0.89	--	--	--
Nickel	26 ^	30 ^	28 ^	27 ^	20 ^	25 ^	100	--	--	--
Selenium	ND U L	ND U L	ND U	ND U L	ND U	ND U	1.3	--	--	--
Silver	ND U	ND U	0.062 J	ND U	ND U	ND U	4.4	--	--	--
Thallium	ND U	0.19 J	0.27 J	ND U	0.21 J	0.28 J	2.6	--	--	--
Zinc	43	42	70	40	58	60	5,100	--	--	--
TCLP Metals (mg/L)										
Barium	0.54	0.80	0.57	0.38 J	0.37 J	0.19 J	--	--	--	2
Copper	ND U	0.011 J	ND U	ND U	ND U	ND U	--	--	--	0.65
Lead	ND U	ND U	ND U	ND U	ND U	ND U	--	--	--	0.0075
Nickel	ND U	0.046	ND U	ND U	ND U	ND U	--	--	--	0.1
Selenium	ND U	ND U	ND U	ND U	ND U	ND U	--	--	--	0.05
Zinc	0.021 J	0.027 J	ND U	0.024 J	0.020 J	ND U	--	--	--	5

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-27 (Canadian National Railroad)						Comparison Criteria			
	E1227B10		E1227B11		E1227B12		MACs			
BORING										
SAMPLE	E1227B10 (0-2)	E1227B10 (12-14)	E1227B11 (4-6)	E1227B11 (16-18)	E1227B12 (6-8)	E1227B12 (14-16)	Most Stringent	Within an MSA	Within Chicago	TACO SCGIER
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil				
DEPTH (m)	0.0-0.6	3.7-4.3	1.2-1.8	4.9-5.5	1.8-2.4	4.3-4.9				
pH	8.05	7.94	6.68	7.98	7.16	7.36				
VOCs (µg/kg)										
Acetone	ND U	13	ND U	ND U	44	8.6	25,000	--	--	--
Methyl Ethyl Ketone	ND U	ND U	ND U	ND U	8.3	ND U	17,000	--	--	--
SVOCs (µg/kg)										
2-Methylnaphthalene	36 J	34 J	ND U	ND U	ND U	ND U	--	--	--	--
Acenaphthene	89	ND U	ND U	ND U	10 J	ND U	570,000	--	--	--
Acenaphthylene	29 J	ND U	ND U	ND U	ND U	ND U	85,000	--	--	--
Anthracene	240	ND U	ND U	ND U	15 J	ND U	12,000,000	--	--	--
Benzo[a]anthracene	1,100 †	ND U	ND U	ND U	32 J	ND U	900	1,800	1,100	--
Benzo[a]pyrene	970 †	ND U	ND U	ND U	28 J	ND U	90	2,100	1,300	--
Benzo[b]fluoranthene	1,200 †	ND U	ND U	ND U	38 J	ND U	900	2,100	1,500	--
Benzo[g,h,i]perylene	630	22 J	ND U	21 J	24 J	27 J	2,300,000	--	--	--
Benzo[k]fluoranthene	640	ND U	ND U	ND U	15 J	ND U	9,000	--	--	--
Bis(2-ethylhexyl) phthalate	ND U	ND U	ND U	ND U	ND U	ND U	46,000	--	--	--
Carbazole	110 J	ND U	ND U	ND U	ND U	ND U	600	--	--	--
Chrysene	1,300	21 J	ND U	17 J	37 J	31 J	88,000	--	--	--
Dibenzo[a,h]anthracene	180 †	ND U	ND U	ND U	ND U	ND U	90	420	200	--
Dibenzofuran	43 J	ND U	ND U	ND U	ND U	ND U	--	--	--	--
Fluoranthene	2,500	ND U	ND U	8.8 J	69	ND U	3,100,000	--	--	--
Fluorene	110	ND U	ND U	ND U	9.8 J	ND U	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	580	ND U	ND U	ND U	19 J	ND U	900	1,600	900	--
Naphthalene	22 J	ND U	ND U	ND U	16 J	ND U	1,800	--	--	--
Phenanthrene	1,400	42	ND U	34 J	59	25 J	210,000	--	--	--
Pyrene	2,000	14 J	ND U	15 J	56	ND U	2,300,000	--	--	--
PCBs (µg/kg)										
PCB-1260	31	ND U	ND U	ND U	ND U	ND U	1,000	--	--	--
PCBs, total	31	ND	ND	ND	ND	ND	--	--	--	--
Inorganics (mg/kg)										
Antimony	0.36 J	0.37 J	0.32 J	0.40 J	0.29 J	0.21 J	5	--	--	--
Arsenic	10	6.6	6.5	9.4	4.4	8.7	11.3	13	--	--
Barium	65	61	96	41	110	6.7	1,500	--	--	--
Beryllium	0.58	0.65	0.77	0.53	0.83	0.29	22	--	--	--
Cadmium	0.48	0.31	0.18	0.28	0.48	0.30	5.2	--	--	--
Chromium	16	17	20	16	19	7.3	21	--	--	--
Copper	34	24	20	28	31	22	2,900	--	--	--
Lead	66	10	14	12	21	11	107	--	--	--
Mercury	0.43 B	0.043 B	0.084 B	0.039 B	0.12 B	0.033 B	0.89	--	--	--
Nickel	21 B	24 B	19 B	27 B	20 B	17 B	100	--	--	--
Selenium	ND U	ND U	ND U	ND U	0.41 J	0.83	1.3	--	--	--
Silver	ND U	ND U	ND U	ND U	ND U	ND U	4.4	--	--	--
Thallium	0.23 J	0.30 J	0.49 J	0.49 J	0.24 J	0.42 J	2.6	--	--	--
Zinc	63 B	40 B	51 B	39 B	59 B	41 B	5,100	--	--	--
TCLP Metals (mg/L)										
Barium	0.50	0.30 J	0.24 J	0.72	0.30 J	0.085 J	--	--	--	2
Copper	ND U	0.076	0.012 J	0.012 J	ND U	0.032	--	--	--	0.65
Lead	ND U	0.014 L	ND U	ND U	0.0061 J	ND U	--	--	--	0.0075
Nickel	ND U	0.12 L	ND U	0.052	0.011 J	0.059	--	--	--	0.1
Selenium	ND U	ND U	ND U	ND U	ND U	0.011 J	--	--	--	0.05
Zinc	0.022 J	0.049 J	ND U	0.022 J	0.056 J	0.041 J	--	--	--	5

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36265-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 02:44:32 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Job ID: 500-36265-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-36265-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample submitted for volatiles analysis was received with insufficient preservation (pH=4): E1259G09 (500-36265-4).

Method(s) 8260B: Sample -7 was initially analyzed without dilution with all internal standard areas outside the method criteria. Sample -7 was re-analyzed without dilution with similar results. No usable data was obtained. Sample -7 was re-analyzed at a dilution using the methanol extract. All internal standard areas were within limits. Only the diluted analysis has been reported. Elevated reporting limits have been provided. E1227B12 (14-16) (500-36265-7).

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1259B09 (4-6) (500-36265-2), E1259B09 (8-10) (500-36265-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 118760 exceeded control limits (20%) for Pyrene at 23%. Since the % recoveries were within limits, no further action was required. E1259G09 (500-36265-4)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 7/13/11 at 1845 did not meet control limits (biased low). Sample matrix from the previously analyzed sample is suspected to have contributed to this failure. E1227B09 (10-12) (500-36265-13), E1227B09 (2-4) (500-36265-12), E1227B10 (0-2) (500-36265-10), E1227B10 (12-14) (500-36265-11), E1227B11 (16-18) (500-36265-9), E1227B11 (4-6) (500-36265-8)

Method(s) 8081A: The continuing calibration verification (CCV) for 115912 recovered above the upper control limit for Methoxychlor, Toxaphene, and Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. E1259B09 (4-6) (500-36265-2)

Method(s) 8151A: The capping continuing calibration verification (CCV) for analytical batch 119533 exceeded control criteria for 2,4-D. The prior CCV met control limits. Sample matrix from other clients are suspected in baseline interference. The affected samples were non-detects for this analyte. E1259B09 (4-6) (500-36265-2)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36265-1, was outside control limits for As, Be, Cr, Ni, Pb, and Zn.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36265-1 were outside control limits for As, Pb, Sb, and Se. The MS was also out for Cu and Zn. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 7471A: The matrix duplicate %RPD for 500-36265-10 was outside the control limits for Hg.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Job ID: 500-36265-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B12 (6-8)

Lab Sample ID: 500-36265-6

Date Collected: 07/06/11 12:10

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 72.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<6.2		6.2	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Vinyl chloride	<6.2		6.2	0.87	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Bromomethane	<6.2		6.2	1.3	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Chloroethane	<6.2		6.2	1.3	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
1,1-Dichloroethene	<6.2		6.2	0.98	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Carbon disulfide	<6.2		6.2	0.88	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Acetone	44		6.2	3.0	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
trans-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Methyl tert-butyl ether	<6.2		6.2	0.93	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
cis-1,2-Dichloroethene	<6.2		6.2	0.91	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Methyl Ethyl Ketone	8.3		6.2	1.3	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Chloroform	<6.2		6.2	1.1	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
1,1,1-Trichloroethane	<6.2		6.2	1.2	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Carbon tetrachloride	<6.2		6.2	1.4	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Benzene	<6.2		6.2	0.67	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
1,2-Dichloroethane	<6.2		6.2	0.63	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
1,2-Dichloropropane	<6.2		6.2	1.4	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Bromodichloromethane	<6.2		6.2	0.94	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
cis-1,3-Dichloropropene	<6.2		6.2	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
methyl isobutyl ketone	<6.2		6.2	1.1	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Toluene	<6.2		6.2	1.2	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
trans-1,3-Dichloropropene	<6.2		6.2	1.4	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
1,1,2-Trichloroethane	<6.2		6.2	0.83	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Tetrachloroethene	<6.2		6.2	1.2	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
2-Hexanone	<6.2		6.2	0.88	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Dibromochloromethane	<6.2		6.2	0.86	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Chlorobenzene	<6.2		6.2	0.98	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Ethylbenzene	<6.2		6.2	0.93	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Styrene	<6.2		6.2	0.78	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Bromoform	<6.2		6.2	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	0.85	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
Xylenes, Total	<12		12	0.87	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1
1,3-Dichloropropene, Total	<6.2		6.2	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 13:01	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		69 - 120	07/06/11 09:45	07/08/11 13:01	1
Toluene-d8 (Surr)	109		69 - 122	07/06/11 09:45	07/08/11 13:01	1
4-Bromofluorobenzene (Surr)	104		67 - 120	07/06/11 09:45	07/08/11 13:01	1
Dibromofluoromethane	110		69 - 120	07/06/11 09:45	07/08/11 13:01	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<440		440	99	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2,4,6-Trichlorophenol	<440		440	96	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2,4-Dichlorophenol	<440		440	56	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2,4-Dimethylphenol	<440		440	150	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2,4-Dinitrophenol	<900		900	330	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B12 (6-8)

Lab Sample ID: 500-36265-6

Date Collected: 07/06/11 12:10

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 72.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<220		220	46	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2,6-Dinitrotoluene	<220		220	30	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2-Chloronaphthalene	<220		220	18	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2-Chlorophenol	<220		220	23	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2-Methylnaphthalene	<220		220	17	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2-Methylphenol	<220		220	33	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2-Nitroaniline	<220		220	26	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2-Nitrophenol	<440		440	130	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
3,3'-Dichlorobenzidine	<220		220	33	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
3-Nitroaniline	<440		440	78	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
4,6-Dinitro-2-methylphenol	<440		440	84	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
4-Bromophenyl phenyl ether	<220		220	27	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
4-Chloro-3-methylphenol	<440		440	110	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
4-Chloroaniline	<900		900	140	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
4-Chlorophenyl phenyl ether	<220		220	49	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
4-Nitroaniline	<440		440	76	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
4-Nitrophenol	<900		900	360	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Acenaphthene	10	J	44	9.3	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Acenaphthylene	<44		44	6.9	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Anthracene	15	J	44	8.1	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Benzo[a]anthracene	32	J	44	9.6	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Benzo[a]pyrene	28	J	44	8.6	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Benzo[b]fluoranthene	38	J	44	9.2	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Benzo[g,h,i]perylene	24	J	44	11	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Benzo[k]fluoranthene	15	J	44	10	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Bis(2-chloroethoxy)methane	<220		220	18	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Bis(2-chloroethyl)ether	<220		220	26	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Bis(2-ethylhexyl) phthalate	<220		220	24	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Butyl benzyl phthalate	<220		220	37	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Carbazole	<220		220	25	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Chrysene	37	J	44	14	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Dibenz(a,h)anthracene	<44		44	11	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Dibenzofuran	<220		220	51	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Diethyl phthalate	<220		220	49	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Dimethyl phthalate	<220		220	20	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Di-n-butyl phthalate	<220		220	25	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Di-n-octyl phthalate	<220		220	36	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
1,3-Dichlorobenzene	<220		220	24	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Fluoranthene	69		44	8.3	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Fluorene	9.8	J	44	8.5	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Hexachlorobenzene	<90		90	8.6	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Hexachlorobutadiene	<220		220	34	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Hexachlorocyclopentadiene	<900		900	440	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Hexachloroethane	<220		220	34	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Indeno[1,2,3-cd]pyrene	19	J	44	11	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Isophorone	<220		220	99	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Naphthalene	16	J	44	8.1	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
Nitrobenzene	<44		44	11	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
1,4-Dichlorobenzene	<220		220	25	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1
2,2'-oxybis[1-chloropropane]	<220		220	48	ug/Kg	*	07/11/11 16:33	07/13/11 22:16	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B12 (6-8)

Lab Sample ID: 500-36265-6

Date Collected: 07/06/11 12:10

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 72.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<220		220	31	ug/Kg	☼	07/11/11 16:33	07/13/11 22:16	1
N-Nitrosodiphenylamine	<220		220	24	ug/Kg	☼	07/11/11 16:33	07/13/11 22:16	1
Pentachlorophenol	<900		900	150	ug/Kg	☼	07/11/11 16:33	07/13/11 22:16	1
Phenanthrene	59		44	8.8	ug/Kg	☼	07/11/11 16:33	07/13/11 22:16	1
Phenol	<220		220	47	ug/Kg	☼	07/11/11 16:33	07/13/11 22:16	1
Pyrene	56		44	15	ug/Kg	☼	07/11/11 16:33	07/13/11 22:16	1
1,2-Dichlorobenzene	<220		220	24	ug/Kg	☼	07/11/11 16:33	07/13/11 22:16	1
1,2,4-Trichlorobenzene	<220		220	27	ug/Kg	☼	07/11/11 16:33	07/13/11 22:16	1
3 & 4 Methylphenol	<220		220	45	ug/Kg	☼	07/11/11 16:33	07/13/11 22:16	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		27 - 113	07/11/11 16:33	07/13/11 22:16	1
2-Fluorophenol	62		30 - 110	07/11/11 16:33	07/13/11 22:16	1
Nitrobenzene-d5	66		22 - 110	07/11/11 16:33	07/13/11 22:16	1
Phenol-d5	65		26 - 112	07/11/11 16:33	07/13/11 22:16	1
2,4,6-Tribromophenol	91		30 - 137	07/11/11 16:33	07/13/11 22:16	1
Terphenyl-d14	84		33 - 129	07/11/11 16:33	07/13/11 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<22		22	5.4	ug/Kg	☼	07/11/11 18:34	07/13/11 14:53	1
PCB-1221	<22		22	8.4	ug/Kg	☼	07/11/11 18:34	07/13/11 14:53	1
PCB-1232	<22		22	7.8	ug/Kg	☼	07/11/11 18:34	07/13/11 14:53	1
PCB-1242	<22		22	6.8	ug/Kg	☼	07/11/11 18:34	07/13/11 14:53	1
PCB-1248	<22		22	7.6	ug/Kg	☼	07/11/11 18:34	07/13/11 14:53	1
PCB-1254	<22		22	7.0	ug/Kg	☼	07/11/11 18:34	07/13/11 14:53	1
PCB-1260	<22		22	7.2	ug/Kg	☼	07/11/11 18:34	07/13/11 14:53	1
Polychlorinated biphenyls, Total	<22		22	5.4	ug/Kg	☼	07/11/11 18:34	07/13/11 14:53	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		28 - 124	07/11/11 18:34	07/13/11 14:53	1
DCB Decachlorobiphenyl	101		38 - 130	07/11/11 18:34	07/13/11 14:53	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/11 10:30	07/14/11 21:11	1
Barium	0.30	J	0.50	0.010	mg/L		07/14/11 10:30	07/14/11 21:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/11 10:30	07/14/11 21:11	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:11	1
Copper	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:11	1
Lead	0.0061	J	0.0075	0.0050	mg/L		07/14/11 10:30	07/14/11 21:11	1
Nickel	0.011	J	0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:11	1
Selenium	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:11	1
Silver	<0.025		0.025	0.0050	mg/L		07/14/11 10:30	07/14/11 21:11	1
Zinc	0.056	J	0.10	0.020	mg/L		07/14/11 10:30	07/14/11 21:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	1.3	0.15	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Arsenic	4.4		0.65	0.091	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B12 (6-8)

Lab Sample ID: 500-36265-6

Date Collected: 07/06/11 12:10

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 72.5

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.83		0.26	0.013	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Cadmium	0.48		0.13	0.017	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Chromium	19		0.65	0.055	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Copper	31		0.65	0.091	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Lead	21		0.32	0.16	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Nickel	20	B	0.65	0.043	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Selenium	0.41	J	0.65	0.18	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Silver	<0.32		0.32	0.041	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Thallium	0.24	J	0.65	0.22	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Zinc	59	B	1.3	0.10	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1
Barium	110		0.65	0.036	mg/Kg	☼	07/07/11 08:50	07/13/11 07:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/14/11 10:30	07/19/11 12:50	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/14/11 10:30	07/19/11 12:50	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 07:15	07/15/11 11:21	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12	B	0.023	0.0023	mg/Kg	☼	07/13/11 08:25	07/13/11 12:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.16		0.200	0.200	SU			07/14/11 13:01	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B12 (14-16)

Lab Sample ID: 500-36265-7

Date Collected: 07/06/11 12:15

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 85.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.5		4.5	0.74	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Vinyl chloride	<4.5		4.5	0.63	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Bromomethane	<4.5		4.5	0.96	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Chloroethane	<4.5		4.5	0.94	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
1,1-Dichloroethene	<4.5		4.5	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Carbon disulfide	<4.5		4.5	0.64	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Acetone	8.6		4.5	2.2	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Methylene Chloride	<4.5		4.5	1.3	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
trans-1,2-Dichloroethene	<4.5		4.5	0.64	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Methyl tert-butyl ether	<4.5		4.5	0.67	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
1,1-Dichloroethane	<4.5		4.5	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
cis-1,2-Dichloroethene	<4.5		4.5	0.66	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Methyl Ethyl Ketone	<4.5		4.5	0.97	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Chloroform	<4.5		4.5	0.83	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
1,1,1-Trichloroethane	<4.5		4.5	0.86	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Carbon tetrachloride	<4.5		4.5	0.98	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Benzene	<4.5		4.5	0.49	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
1,2-Dichloroethane	<4.5		4.5	0.46	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Trichloroethene	<4.5		4.5	0.73	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
1,2-Dichloropropane	<4.5		4.5	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Bromodichloromethane	<4.5		4.5	0.68	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
cis-1,3-Dichloropropene	<4.5		4.5	0.51	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
methyl isobutyl ketone	<4.5		4.5	0.76	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Toluene	<4.5		4.5	0.87	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
trans-1,3-Dichloropropene	<4.5		4.5	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
1,1,2-Trichloroethane	<4.5		4.5	0.60	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Tetrachloroethene	<4.5		4.5	0.85	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
2-Hexanone	<4.5		4.5	0.64	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Dibromochloromethane	<4.5		4.5	0.62	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Chlorobenzene	<4.5		4.5	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Ethylbenzene	<4.5		4.5	0.67	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Styrene	<4.5		4.5	0.57	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Bromoform	<4.5		4.5	0.73	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
1,1,2,2-Tetrachloroethane	<4.5		4.5	0.61	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
Xylenes, Total	<9.0		9.0	0.63	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1
1,3-Dichloropropene, Total	<4.5		4.5	0.51	ug/Kg	*	07/06/11 09:45	07/08/11 13:25	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		69 - 120	07/06/11 09:45	07/08/11 13:25	1
Toluene-d8 (Surr)	95		69 - 122	07/06/11 09:45	07/08/11 13:25	1
4-Bromofluorobenzene (Surr)	81		67 - 120	07/06/11 09:45	07/08/11 13:25	1
Dibromofluoromethane	108		69 - 120	07/06/11 09:45	07/08/11 13:25	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	85	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2,4,6-Trichlorophenol	<380		380	82	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2,4-Dichlorophenol	<380		380	48	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2,4-Dinitrophenol	<770		770	280	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B12 (14-16)

Lab Sample ID: 500-36265-7

Date Collected: 07/06/11 12:15

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 85.0

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	39	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2,6-Dinitrotoluene	<190		190	25	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2-Chloronaphthalene	<190		190	15	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2-Chlorophenol	<190		190	20	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2-Methylnaphthalene	<190		190	15	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2-Methylphenol	<190		190	28	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2-Nitroaniline	<190		190	22	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2-Nitrophenol	<380		380	110	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
3-Nitroaniline	<380		380	66	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
4,6-Dinitro-2-methylphenol	<380		380	72	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
4-Bromophenyl phenyl ether	<190		190	23	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
4-Chloro-3-methylphenol	<380		380	93	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
4-Chloroaniline	<770		770	120	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
4-Chlorophenyl phenyl ether	<190		190	42	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
4-Nitroaniline	<380		380	65	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
4-Nitrophenol	<770		770	310	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Acenaphthene	<38		38	8.0	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Acenaphthylene	<38		38	5.9	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Anthracene	<38		38	7.0	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Benzo[a]anthracene	<38		38	8.2	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Benzo[b]fluoranthene	<38		38	7.9	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Benzo[g,h,i]perylene	27	J	38	9.3	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Benzo[k]fluoranthene	<38		38	8.9	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Bis(2-chloroethoxy)methane	<190		190	16	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Bis(2-ethylhexyl) phthalate	<190		190	21	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Carbazole	<190		190	21	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Chrysene	31	J	38	12	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Dibenz(a,h)anthracene	<38		38	9.6	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Dibenzofuran	<190		190	43	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Diethyl phthalate	<190		190	42	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Dimethyl phthalate	<190		190	17	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Di-n-octyl phthalate	<190		190	31	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Fluoranthene	<38		38	7.1	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Fluorene	<38		38	7.3	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Hexachlorobenzene	<77		77	7.4	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Hexachlorobutadiene	<190		190	29	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Hexachlorocyclopentadiene	<770		770	380	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Hexachloroethane	<190		190	29	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Indeno[1,2,3-cd]pyrene	<38		38	9.7	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Isophorone	<190		190	85	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Naphthalene	<38		38	6.9	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
Nitrobenzene	<38		38	9.2	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
1,4-Dichlorobenzene	<190		190	21	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1
2,2'-oxybis[1-chloropropane]	<190		190	41	ug/Kg	*	07/11/11 16:33	07/13/11 22:38	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B12 (14-16)

Lab Sample ID: 500-36265-7

Date Collected: 07/06/11 12:15

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 85.0

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	26	ug/Kg	☼	07/11/11 16:33	07/13/11 22:38	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/13/11 22:38	1
Pentachlorophenol	<770		770	130	ug/Kg	☼	07/11/11 16:33	07/13/11 22:38	1
Phenanthrene	25	J	38	7.5	ug/Kg	☼	07/11/11 16:33	07/13/11 22:38	1
Phenol	<190		190	40	ug/Kg	☼	07/11/11 16:33	07/13/11 22:38	1
Pyrene	<38		38	13	ug/Kg	☼	07/11/11 16:33	07/13/11 22:38	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/13/11 22:38	1
1,2,4-Trichlorobenzene	<190		190	23	ug/Kg	☼	07/11/11 16:33	07/13/11 22:38	1
3 & 4 Methylphenol	<190		190	38	ug/Kg	☼	07/11/11 16:33	07/13/11 22:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		27 - 113	07/11/11 16:33	07/13/11 22:38	1
2-Fluorophenol	74		30 - 110	07/11/11 16:33	07/13/11 22:38	1
Nitrobenzene-d5	75		22 - 110	07/11/11 16:33	07/13/11 22:38	1
Phenol-d5	80		26 - 112	07/11/11 16:33	07/13/11 22:38	1
2,4,6-Tribromophenol	88		30 - 137	07/11/11 16:33	07/13/11 22:38	1
Terphenyl-d14	87		33 - 129	07/11/11 16:33	07/13/11 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.5	ug/Kg	☼	07/11/11 18:34	07/13/11 15:06	1
PCB-1221	<19		19	7.1	ug/Kg	☼	07/11/11 18:34	07/13/11 15:06	1
PCB-1232	<19		19	6.5	ug/Kg	☼	07/11/11 18:34	07/13/11 15:06	1
PCB-1242	<19		19	5.8	ug/Kg	☼	07/11/11 18:34	07/13/11 15:06	1
PCB-1248	<19		19	6.4	ug/Kg	☼	07/11/11 18:34	07/13/11 15:06	1
PCB-1254	<19		19	5.9	ug/Kg	☼	07/11/11 18:34	07/13/11 15:06	1
PCB-1260	<19		19	6.1	ug/Kg	☼	07/11/11 18:34	07/13/11 15:06	1
Polychlorinated biphenyls, Total	<19		19	4.5	ug/Kg	☼	07/11/11 18:34	07/13/11 15:06	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	58		28 - 124	07/11/11 18:34	07/13/11 15:06	1
DCB Decachlorobiphenyl	75		38 - 130	07/11/11 18:34	07/13/11 15:06	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/11 10:30	07/14/11 21:17	1
Barium	0.085	J	0.50	0.010	mg/L		07/14/11 10:30	07/14/11 21:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/11 10:30	07/14/11 21:17	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:17	1
Copper	0.032		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:17	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/14/11 10:30	07/14/11 21:17	1
Nickel	0.059		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:17	1
Selenium	0.011	J	0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:17	1
Silver	<0.025		0.025	0.0050	mg/L		07/14/11 10:30	07/14/11 21:17	1
Zinc	0.041	J	0.10	0.020	mg/L		07/14/11 10:30	07/14/11 21:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.21	J	1.1	0.13	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Arsenic	8.7		0.55	0.078	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B12 (14-16)

Lab Sample ID: 500-36265-7

Date Collected: 07/06/11 12:15

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 85.0

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.29		0.22	0.011	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Cadmium	0.30		0.11	0.015	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Chromium	7.3		0.55	0.047	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Copper	22		0.55	0.078	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Lead	11		0.28	0.13	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Nickel	17	B	0.55	0.037	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Selenium	0.83		0.55	0.16	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Thallium	0.42	J	0.55	0.19	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Zinc	41	B	1.1	0.089	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1
Barium	6.7		0.55	0.031	mg/Kg	☼	07/07/11 08:50	07/13/11 07:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/14/11 10:30	07/19/11 12:51	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/14/11 10:30	07/19/11 12:51	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 07:15	07/15/11 11:24	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033	B	0.018	0.0019	mg/Kg	☼	07/13/11 08:25	07/13/11 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.36		0.200	0.200	SU			07/14/11 13:04	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B11 (4-6)

Lab Sample ID: 500-36265-8

Date Collected: 07/06/11 12:50

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 79.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.1		5.1	0.84	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Vinyl chloride	<5.1		5.1	0.72	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Bromomethane	<5.1		5.1	1.1	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Chloroethane	<5.1		5.1	1.1	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
1,1-Dichloroethene	<5.1		5.1	0.81	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Carbon disulfide	<5.1		5.1	0.73	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Acetone	<5.1		5.1	2.5	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
trans-1,2-Dichloroethene	<5.1		5.1	0.73	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Methyl tert-butyl ether	<5.1		5.1	0.77	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
1,1-Dichloroethane	<5.1		5.1	0.81	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
cis-1,2-Dichloroethene	<5.1		5.1	0.75	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Methyl Ethyl Ketone	<5.1		5.1	1.1	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Chloroform	<5.1		5.1	0.95	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
1,1,1-Trichloroethane	<5.1		5.1	0.99	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Carbon tetrachloride	<5.1		5.1	1.1	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Benzene	<5.1		5.1	0.55	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
1,2-Dichloroethane	<5.1		5.1	0.52	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Trichloroethene	<5.1		5.1	0.83	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
1,2-Dichloropropane	<5.1		5.1	1.2	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Bromodichloromethane	<5.1		5.1	0.78	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
cis-1,3-Dichloropropene	<5.1		5.1	0.59	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
methyl isobutyl ketone	<5.1		5.1	0.87	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Toluene	<5.1		5.1	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
trans-1,3-Dichloropropene	<5.1		5.1	1.2	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
1,1,2-Trichloroethane	<5.1		5.1	0.69	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Tetrachloroethene	<5.1		5.1	0.98	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
2-Hexanone	<5.1		5.1	0.73	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Dibromochloromethane	<5.1		5.1	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Chlorobenzene	<5.1		5.1	0.81	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Ethylbenzene	<5.1		5.1	0.77	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Styrene	<5.1		5.1	0.65	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Bromoform	<5.1		5.1	0.83	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	0.70	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
Xylenes, Total	<10		10	0.72	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1
1,3-Dichloropropene, Total	<5.1		5.1	0.59	ug/Kg	*	07/06/11 09:45	07/08/11 13:50	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		69 - 120	07/06/11 09:45	07/08/11 13:50	1
Toluene-d8 (Surr)	107		69 - 122	07/06/11 09:45	07/08/11 13:50	1
4-Bromofluorobenzene (Surr)	101		67 - 120	07/06/11 09:45	07/08/11 13:50	1
Dibromofluoromethane	111		69 - 120	07/06/11 09:45	07/08/11 13:50	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	89	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2,4,6-Trichlorophenol	<400		400	86	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2,4-Dichlorophenol	<400		400	51	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2,4-Dimethylphenol	<400		400	130	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2,4-Dinitrophenol	<810		810	290	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1

Client Sample Results

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TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B11 (4-6)

Lab Sample ID: 500-36265-8

Date Collected: 07/06/11 12:50

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 79.7

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<200		200	41	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2,6-Dinitrotoluene	<200		200	27	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2-Chloronaphthalene	<200		200	16	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2-Chlorophenol	<200		200	21	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2-Methylnaphthalene	<200		200	16	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2-Methylphenol	<200		200	30	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2-Nitroaniline	<200		200	23	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2-Nitrophenol	<400		400	120	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
3,3'-Dichlorobenzidine	<200		200	29	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
3-Nitroaniline	<400		400	70	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
4,6-Dinitro-2-methylphenol	<400		400	76	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
4-Bromophenyl phenyl ether	<200		200	25	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
4-Chloro-3-methylphenol	<400		400	98	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
4-Chloroaniline	<810		810	130	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
4-Chlorophenyl phenyl ether	<200		200	44	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
4-Nitroaniline	<400		400	69	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
4-Nitrophenol	<810		810	320	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Acenaphthene	<40		40	8.4	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Acenaphthylene	<40		40	6.2	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Anthracene	<40		40	7.3	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Benzo[a]anthracene	<40		40	8.6	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Benzo[b]fluoranthene	<40		40	8.3	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Benzo[g,h,i]perylene	<40		40	9.8	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Benzo[k]fluoranthene	<40		40	9.4	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Bis(2-chloroethoxy)methane	<200		200	16	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Bis(2-chloroethyl)ether	<200		200	23	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Bis(2-ethylhexyl) phthalate	<200		200	22	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Butyl benzyl phthalate	<200		200	34	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Carbazole	<200		200	22	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Chrysene	<40		40	13	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Dibenz(a,h)anthracene	<40		40	10	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Dibenzofuran	<200		200	46	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Diethyl phthalate	<200		200	44	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Dimethyl phthalate	<200		200	18	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Di-n-butyl phthalate	<200		200	22	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Di-n-octyl phthalate	<200		200	32	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
1,3-Dichlorobenzene	<200		200	22	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Fluoranthene	<40		40	7.5	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Fluorene	<40		40	7.7	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Hexachlorobenzene	<81		81	7.7	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Hexachlorobutadiene	<200		200	31	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Hexachlorocyclopentadiene	<810		810	400	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Hexachloroethane	<200		200	30	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Isophorone	<200		200	89	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Naphthalene	<40		40	7.3	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
Nitrobenzene	<40		40	9.7	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
1,4-Dichlorobenzene	<200		200	23	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1
2,2'-oxybis[1-chloropropane]	<200		200	43	ug/Kg	*	07/11/11 16:33	07/13/11 23:01	1

Client Sample Results

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Lab Sample ID: 500-36265-8

Date Collected: 07/06/11 12:50

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 79.7

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<200		200	28	ug/Kg	☼	07/11/11 16:33	07/13/11 23:01	1
N-Nitrosodiphenylamine	<200		200	22	ug/Kg	☼	07/11/11 16:33	07/13/11 23:01	1
Pentachlorophenol	<810		810	130	ug/Kg	☼	07/11/11 16:33	07/13/11 23:01	1
Phenanthrene	<40		40	7.9	ug/Kg	☼	07/11/11 16:33	07/13/11 23:01	1
Phenol	<200		200	42	ug/Kg	☼	07/11/11 16:33	07/13/11 23:01	1
Pyrene	<40		40	14	ug/Kg	☼	07/11/11 16:33	07/13/11 23:01	1
1,2-Dichlorobenzene	<200		200	22	ug/Kg	☼	07/11/11 16:33	07/13/11 23:01	1
1,2,4-Trichlorobenzene	<200		200	25	ug/Kg	☼	07/11/11 16:33	07/13/11 23:01	1
3 & 4 Methylphenol	<200		200	40	ug/Kg	☼	07/11/11 16:33	07/13/11 23:01	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		27 - 113	07/11/11 16:33	07/13/11 23:01	1
2-Fluorophenol	67		30 - 110	07/11/11 16:33	07/13/11 23:01	1
Nitrobenzene-d5	72		22 - 110	07/11/11 16:33	07/13/11 23:01	1
Phenol-d5	67		26 - 112	07/11/11 16:33	07/13/11 23:01	1
2,4,6-Tribromophenol	86		30 - 137	07/11/11 16:33	07/13/11 23:01	1
Terphenyl-d14	86		33 - 129	07/11/11 16:33	07/13/11 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<21		21	4.9	ug/Kg	☼	07/11/11 18:34	07/13/11 15:34	1
PCB-1221	<21		21	7.7	ug/Kg	☼	07/11/11 18:34	07/13/11 15:34	1
PCB-1232	<21		21	7.1	ug/Kg	☼	07/11/11 18:34	07/13/11 15:34	1
PCB-1242	<21		21	6.3	ug/Kg	☼	07/11/11 18:34	07/13/11 15:34	1
PCB-1248	<21		21	7.0	ug/Kg	☼	07/11/11 18:34	07/13/11 15:34	1
PCB-1254	<21		21	6.4	ug/Kg	☼	07/11/11 18:34	07/13/11 15:34	1
PCB-1260	<21		21	6.6	ug/Kg	☼	07/11/11 18:34	07/13/11 15:34	1
Polychlorinated biphenyls, Total	<21		21	4.9	ug/Kg	☼	07/11/11 18:34	07/13/11 15:34	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	52		28 - 124	07/11/11 18:34	07/13/11 15:34	1
DCB Decachlorobiphenyl	82		38 - 130	07/11/11 18:34	07/13/11 15:34	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/11 10:30	07/14/11 21:24	1
Barium	0.24	J	0.50	0.010	mg/L		07/14/11 10:30	07/14/11 21:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/11 10:30	07/14/11 21:24	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:24	1
Copper	0.012	J	0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:24	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/14/11 10:30	07/14/11 21:24	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:24	1
Selenium	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:24	1
Silver	<0.025		0.025	0.0050	mg/L		07/14/11 10:30	07/14/11 21:24	1
Zinc	<0.10		0.10	0.020	mg/L		07/14/11 10:30	07/14/11 21:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J	1.2	0.14	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Arsenic	6.5		0.61	0.085	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1

Client Sample Results

Client: Ecology and Environment, Inc.
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TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B11 (4-6)

Lab Sample ID: 500-36265-8

Date Collected: 07/06/11 12:50

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 79.7

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.77		0.24	0.012	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Cadmium	0.18		0.12	0.016	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Chromium	20		0.61	0.052	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Copper	20		0.61	0.085	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Lead	14		0.30	0.15	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Nickel	19	B	0.61	0.040	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Selenium	<0.61		0.61	0.17	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Thallium	0.49	J	0.61	0.21	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Zinc	51	B	1.2	0.097	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1
Barium	96		0.61	0.034	mg/Kg	☼	07/07/11 08:50	07/13/11 07:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/14/11 10:30	07/19/11 12:52	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/14/11 10:30	07/19/11 12:52	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 07:15	07/15/11 11:27	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.084	B	0.018	0.0019	mg/Kg	☼	07/13/11 08:25	07/13/11 12:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.68		0.200	0.200	SU			07/14/11 13:07	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B11 (16-18)

Lab Sample ID: 500-36265-9

Date Collected: 07/06/11 13:00

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 85.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.4		4.4	0.72	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Vinyl chloride	<4.4		4.4	0.61	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Bromomethane	<4.4		4.4	0.93	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Chloroethane	<4.4		4.4	0.92	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
1,1-Dichloroethene	<4.4		4.4	0.69	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Carbon disulfide	<4.4		4.4	0.62	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Acetone	<4.4		4.4	2.1	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Methylene Chloride	<4.4		4.4	1.2	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
trans-1,2-Dichloroethene	<4.4		4.4	0.62	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Methyl tert-butyl ether	<4.4		4.4	0.65	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
1,1-Dichloroethane	<4.4		4.4	0.69	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
cis-1,2-Dichloroethene	<4.4		4.4	0.64	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Methyl Ethyl Ketone	<4.4		4.4	0.94	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Chloroform	<4.4		4.4	0.80	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
1,1,1-Trichloroethane	<4.4		4.4	0.84	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Carbon tetrachloride	<4.4		4.4	0.95	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Benzene	<4.4		4.4	0.47	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
1,2-Dichloroethane	<4.4		4.4	0.44	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Trichloroethene	<4.4		4.4	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
1,2-Dichloropropane	<4.4		4.4	0.99	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Bromodichloromethane	<4.4		4.4	0.66	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
cis-1,3-Dichloropropene	<4.4		4.4	0.50	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
methyl isobutyl ketone	<4.4		4.4	0.74	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Toluene	<4.4		4.4	0.85	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
trans-1,3-Dichloropropene	<4.4		4.4	0.99	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
1,1,2-Trichloroethane	<4.4		4.4	0.58	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Tetrachloroethene	<4.4		4.4	0.83	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
2-Hexanone	<4.4		4.4	0.62	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Dibromochloromethane	<4.4		4.4	0.60	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Chlorobenzene	<4.4		4.4	0.69	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Ethylbenzene	<4.4		4.4	0.65	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Styrene	<4.4		4.4	0.55	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Bromoform	<4.4		4.4	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
1,1,2,2-Tetrachloroethane	<4.4		4.4	0.59	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
Xylenes, Total	<8.7		8.7	0.61	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1
1,3-Dichloropropene, Total	<4.4		4.4	0.50	ug/Kg	*	07/06/11 09:45	07/08/11 14:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		69 - 120	07/06/11 09:45	07/08/11 14:15	1
Toluene-d8 (Surr)	108		69 - 122	07/06/11 09:45	07/08/11 14:15	1
4-Bromofluorobenzene (Surr)	106		67 - 120	07/06/11 09:45	07/08/11 14:15	1
Dibromofluoromethane	108		69 - 120	07/06/11 09:45	07/08/11 14:15	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	82	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2,4,6-Trichlorophenol	<370		370	79	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2,4-Dichlorophenol	<370		370	47	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2,4-Dimethylphenol	<370		370	120	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2,4-Dinitrophenol	<740		740	270	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B11 (16-18)

Lab Sample ID: 500-36265-9

Date Collected: 07/06/11 13:00

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 85.7

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<180		180	38	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2,6-Dinitrotoluene	<180		180	25	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2-Chloronaphthalene	<180		180	15	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2-Chlorophenol	<180		180	19	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2-Methylnaphthalene	<180		180	14	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2-Methylphenol	<180		180	27	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2-Nitroaniline	<180		180	21	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2-Nitrophenol	<370		370	110	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
3,3'-Dichlorobenzidine	<180		180	27	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
3-Nitroaniline	<370		370	64	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
4,6-Dinitro-2-methylphenol	<370		370	69	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
4-Bromophenyl phenyl ether	<180		180	23	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
4-Chloro-3-methylphenol	<370		370	90	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
4-Chloroaniline	<740		740	120	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
4-Nitroaniline	<370		370	63	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
4-Nitrophenol	<740		740	300	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Acenaphthene	<37		37	7.7	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Acenaphthylene	<37		37	5.7	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Anthracene	<37		37	6.7	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Benzo[a]anthracene	<37		37	7.9	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Benzo[b]fluoranthene	<37		37	7.6	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Benzo[g,h,i]perylene	21	J	37	9.0	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Benzo[k]fluoranthene	<37		37	8.6	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Bis(2-chloroethoxy)methane	<180		180	15	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Bis(2-chloroethyl)ether	<180		180	21	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Bis(2-ethylhexyl) phthalate	<180		180	20	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Butyl benzyl phthalate	<180		180	31	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Carbazole	<180		180	20	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Chrysene	17	J	37	12	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Dibenz(a,h)anthracene	<37		37	9.3	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Dibenzofuran	<180		180	42	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Diethyl phthalate	<180		180	40	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Dimethyl phthalate	<180		180	16	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Di-n-butyl phthalate	<180		180	20	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Di-n-octyl phthalate	<180		180	29	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
1,3-Dichlorobenzene	<180		180	20	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Fluoranthene	8.8	J	37	6.9	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Fluorene	<37		37	7.0	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Hexachlorobenzene	<74		74	7.1	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Hexachlorobutadiene	<180		180	28	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Hexachlorocyclopentadiene	<740		740	370	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Hexachloroethane	<180		180	28	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Indeno[1,2,3-cd]pyrene	<37		37	9.4	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Isophorone	<180		180	82	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Naphthalene	<37		37	6.7	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
Nitrobenzene	<37		37	8.9	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
1,4-Dichlorobenzene	<180		180	21	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	*	07/11/11 16:33	07/13/11 23:24	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B11 (16-18)

Lab Sample ID: 500-36265-9

Date Collected: 07/06/11 13:00

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 85.7

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<180		180	25	ug/Kg	☼	07/11/11 16:33	07/13/11 23:24	1
N-Nitrosodiphenylamine	<180		180	20	ug/Kg	☼	07/11/11 16:33	07/13/11 23:24	1
Pentachlorophenol	<740		740	120	ug/Kg	☼	07/11/11 16:33	07/13/11 23:24	1
Phenanthrene	34	J	37	7.2	ug/Kg	☼	07/11/11 16:33	07/13/11 23:24	1
Phenol	<180		180	39	ug/Kg	☼	07/11/11 16:33	07/13/11 23:24	1
Pyrene	15	J	37	13	ug/Kg	☼	07/11/11 16:33	07/13/11 23:24	1
1,2-Dichlorobenzene	<180		180	20	ug/Kg	☼	07/11/11 16:33	07/13/11 23:24	1
1,2,4-Trichlorobenzene	<180		180	23	ug/Kg	☼	07/11/11 16:33	07/13/11 23:24	1
3 & 4 Methylphenol	<180		180	37	ug/Kg	☼	07/11/11 16:33	07/13/11 23:24	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		27 - 113	07/11/11 16:33	07/13/11 23:24	1
2-Fluorophenol	79		30 - 110	07/11/11 16:33	07/13/11 23:24	1
Nitrobenzene-d5	78		22 - 110	07/11/11 16:33	07/13/11 23:24	1
Phenol-d5	81		26 - 112	07/11/11 16:33	07/13/11 23:24	1
2,4,6-Tribromophenol	91		30 - 137	07/11/11 16:33	07/13/11 23:24	1
Terphenyl-d14	83		33 - 129	07/11/11 16:33	07/13/11 23:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.5	ug/Kg	☼	07/11/11 18:34	07/13/11 15:47	1
PCB-1221	<19		19	7.1	ug/Kg	☼	07/11/11 18:34	07/13/11 15:47	1
PCB-1232	<19		19	6.5	ug/Kg	☼	07/11/11 18:34	07/13/11 15:47	1
PCB-1242	<19		19	5.7	ug/Kg	☼	07/11/11 18:34	07/13/11 15:47	1
PCB-1248	<19		19	6.4	ug/Kg	☼	07/11/11 18:34	07/13/11 15:47	1
PCB-1254	<19		19	5.8	ug/Kg	☼	07/11/11 18:34	07/13/11 15:47	1
PCB-1260	<19		19	6.1	ug/Kg	☼	07/11/11 18:34	07/13/11 15:47	1
Polychlorinated biphenyls, Total	<19		19	4.5	ug/Kg	☼	07/11/11 18:34	07/13/11 15:47	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	56		28 - 124	07/11/11 18:34	07/13/11 15:47	1
DCB Decachlorobiphenyl	81		38 - 130	07/11/11 18:34	07/13/11 15:47	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/11 10:30	07/14/11 21:30	1
Barium	0.72		0.50	0.010	mg/L		07/14/11 10:30	07/14/11 21:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/11 10:30	07/14/11 21:30	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:30	1
Copper	0.012	J	0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:30	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/14/11 10:30	07/14/11 21:30	1
Nickel	0.052		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:30	1
Selenium	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:30	1
Silver	<0.025		0.025	0.0050	mg/L		07/14/11 10:30	07/14/11 21:30	1
Zinc	0.022	J	0.10	0.020	mg/L		07/14/11 10:30	07/14/11 21:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.1	0.12	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Arsenic	9.4		0.53	0.074	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B11 (16-18)

Lab Sample ID: 500-36265-9

Date Collected: 07/06/11 13:00

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 85.7

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.53		0.21	0.011	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Cadmium	0.28		0.11	0.014	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Chromium	16		0.53	0.045	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Copper	28		0.53	0.074	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Lead	12		0.27	0.13	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Nickel	27	B	0.53	0.035	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Selenium	<0.53		0.53	0.15	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Silver	<0.27		0.27	0.033	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Thallium	0.49	J	0.53	0.18	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Zinc	39	B	1.1	0.085	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1
Barium	41		0.53	0.030	mg/Kg	☼	07/07/11 08:50	07/13/11 07:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/14/11 10:30	07/19/11 12:52	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/14/11 10:30	07/19/11 12:52	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 07:15	07/15/11 11:29	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039	B	0.017	0.0017	mg/Kg	☼	07/13/11 08:25	07/13/11 12:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.98		0.200	0.200	SU			07/14/11 13:12	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B10 (0-2)

Lab Sample ID: 500-36265-10

Date Collected: 07/06/11 13:55

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 86.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.7		4.7	0.77	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Vinyl chloride	<4.7		4.7	0.65	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Bromomethane	<4.7		4.7	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Chloroethane	<4.7		4.7	0.98	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
1,1-Dichloroethene	<4.7		4.7	0.74	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Carbon disulfide	<4.7		4.7	0.66	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Acetone	<4.7		4.7	2.3	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Methylene Chloride	<4.7		4.7	1.3	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
trans-1,2-Dichloroethene	<4.7		4.7	0.66	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Methyl tert-butyl ether	<4.7		4.7	0.70	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
1,1-Dichloroethane	<4.7		4.7	0.74	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
cis-1,2-Dichloroethene	<4.7		4.7	0.68	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Methyl Ethyl Ketone	<4.7		4.7	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Chloroform	<4.7		4.7	0.86	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
1,1,1-Trichloroethane	<4.7		4.7	0.90	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Carbon tetrachloride	<4.7		4.7	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Benzene	<4.7		4.7	0.50	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
1,2-Dichloroethane	<4.7		4.7	0.48	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Trichloroethene	<4.7		4.7	0.76	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
1,2-Dichloropropane	<4.7		4.7	1.1	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Bromodichloromethane	<4.7		4.7	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
cis-1,3-Dichloropropene	<4.7		4.7	0.53	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
methyl isobutyl ketone	<4.7		4.7	0.79	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Toluene	<4.7		4.7	0.91	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
trans-1,3-Dichloropropene	<4.7		4.7	1.1	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
1,1,2-Trichloroethane	<4.7		4.7	0.63	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Tetrachloroethene	<4.7		4.7	0.89	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
2-Hexanone	<4.7		4.7	0.66	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Dibromochloromethane	<4.7		4.7	0.64	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Chlorobenzene	<4.7		4.7	0.74	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Ethylbenzene	<4.7		4.7	0.70	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Styrene	<4.7		4.7	0.59	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Bromoform	<4.7		4.7	0.76	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
1,1,2,2-Tetrachloroethane	<4.7		4.7	0.63	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
Xylenes, Total	<9.3		9.3	0.65	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1
1,3-Dichloropropene, Total	<4.7		4.7	0.53	ug/Kg	*	07/06/11 09:45	07/08/11 14:39	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		69 - 120	07/06/11 09:45	07/08/11 14:39	1
Toluene-d8 (Surr)	106		69 - 122	07/06/11 09:45	07/08/11 14:39	1
4-Bromofluorobenzene (Surr)	107		67 - 120	07/06/11 09:45	07/08/11 14:39	1
Dibromofluoromethane	113		69 - 120	07/06/11 09:45	07/08/11 14:39	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	*	07/11/11 16:33	07/13/11 23:46	1
2,4,6-Trichlorophenol	<360		360	79	ug/Kg	*	07/11/11 16:33	07/13/11 23:46	1
2,4-Dichlorophenol	<360		360	46	ug/Kg	*	07/11/11 16:33	07/13/11 23:46	1
2,4-Dimethylphenol	<360		360	120	ug/Kg	*	07/11/11 16:33	07/13/11 23:46	1
2,4-Dinitrophenol	<740		740	270	ug/Kg	*	07/11/11 16:33	07/13/11 23:46	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B10 (0-2)

Lab Sample ID: 500-36265-10

Date Collected: 07/06/11 13:55

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 86.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<180		180	38	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
2,6-Dinitrotoluene	<180		180	25	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
2-Chloronaphthalene	<180		180	15	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
2-Chlorophenol	<180		180	19	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
2-Methylnaphthalene	36	J	180	14	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
2-Methylphenol	<180		180	27	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
2-Nitroaniline	<180		180	21	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
2-Nitrophenol	<360		360	110	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
3,3'-Dichlorobenzidine	<180		180	27	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
3-Nitroaniline	<360		360	64	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
4,6-Dinitro-2-methylphenol	<360		360	69	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
4-Bromophenyl phenyl ether	<180		180	23	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
4-Chloro-3-methylphenol	<360		360	90	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
4-Chloroaniline	<740		740	120	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
4-Nitroaniline	<360		360	63	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
4-Nitrophenol	<740		740	300	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Acenaphthene	89		36	7.7	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Acenaphthylene	29	J	36	5.7	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Anthracene	240		36	6.7	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Benzo[a]anthracene	1100		36	7.9	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Benzo[a]pyrene	970		36	7.0	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Benzo[b]fluoranthene	1200		36	7.6	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Benzo[g,h,i]perylene	630		36	8.9	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Benzo[k]fluoranthene	640		36	8.6	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Bis(2-chloroethoxy)methane	<180		180	15	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Bis(2-chloroethyl)ether	<180		180	21	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Bis(2-ethylhexyl) phthalate	<180		180	20	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Butyl benzyl phthalate	<180		180	31	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Carbazole	110	J	180	20	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Chrysene	1300		36	12	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Dibenz(a,h)anthracene	180		36	9.3	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Dibenzofuran	43	J	180	42	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Diethyl phthalate	<180		180	40	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Dimethyl phthalate	<180		180	16	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Di-n-butyl phthalate	<180		180	20	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Di-n-octyl phthalate	<180		180	29	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
1,3-Dichlorobenzene	<180		180	20	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Fluoranthene	2500		36	6.8	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Fluorene	110		36	7.0	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Hexachlorobenzene	<74		74	7.1	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Hexachlorobutadiene	<180		180	28	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Hexachlorocyclopentadiene	<740		740	360	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Hexachloroethane	<180		180	28	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Indeno[1,2,3-cd]pyrene	580		36	9.3	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Isophorone	<180		180	82	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Naphthalene	22	J	36	6.6	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Nitrobenzene	<36		36	8.9	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
1,4-Dichlorobenzene	<180		180	21	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
2,2'-oxybis[1-chloropropane]	<180		180	40	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B10 (0-2)

Lab Sample ID: 500-36265-10

Date Collected: 07/06/11 13:55

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 86.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<180		180	25	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
N-Nitrosodiphenylamine	<180		180	20	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Pentachlorophenol	<740		740	120	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Phenanthrene	1400		36	7.2	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Phenol	<180		180	38	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
Pyrene	2000		36	13	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
1,2-Dichlorobenzene	<180		180	20	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
1,2,4-Trichlorobenzene	<180		180	23	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1
3 & 4 Methylphenol	<180		180	37	ug/Kg	☼	07/11/11 16:33	07/13/11 23:46	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		27 - 113	07/11/11 16:33	07/13/11 23:46	1
2-Fluorophenol	65		30 - 110	07/11/11 16:33	07/13/11 23:46	1
Nitrobenzene-d5	74		22 - 110	07/11/11 16:33	07/13/11 23:46	1
Phenol-d5	66		26 - 112	07/11/11 16:33	07/13/11 23:46	1
2,4,6-Tribromophenol	78		30 - 137	07/11/11 16:33	07/13/11 23:46	1
Terphenyl-d14	89		33 - 129	07/11/11 16:33	07/13/11 23:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.5	ug/Kg	☼	07/11/11 18:34	07/13/11 16:01	1
PCB-1221	<19		19	7.1	ug/Kg	☼	07/11/11 18:34	07/13/11 16:01	1
PCB-1232	<19		19	6.5	ug/Kg	☼	07/11/11 18:34	07/13/11 16:01	1
PCB-1242	<19		19	5.7	ug/Kg	☼	07/11/11 18:34	07/13/11 16:01	1
PCB-1248	<19		19	6.4	ug/Kg	☼	07/11/11 18:34	07/13/11 16:01	1
PCB-1254	<19		19	5.9	ug/Kg	☼	07/11/11 18:34	07/13/11 16:01	1
PCB-1260	31		19	6.1	ug/Kg	☼	07/11/11 18:34	07/13/11 16:01	1
Polychlorinated biphenyls, Total	31		19	4.5	ug/Kg	☼	07/11/11 18:34	07/13/11 16:01	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	66		28 - 124	07/11/11 18:34	07/13/11 16:01	1
DCB Decachlorobiphenyl	90		38 - 130	07/11/11 18:34	07/13/11 16:01	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/11 10:30	07/14/11 21:36	1
Barium	0.50		0.50	0.010	mg/L		07/14/11 10:30	07/14/11 21:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/11 10:30	07/14/11 21:36	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:36	1
Copper	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:36	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/14/11 10:30	07/14/11 21:36	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 21:36	1
Selenium	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 21:36	1
Silver	<0.025		0.025	0.0050	mg/L		07/14/11 10:30	07/14/11 21:36	1
Zinc	0.022	J	0.10	0.020	mg/L		07/14/11 10:30	07/14/11 21:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.36	J	1.1	0.12	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Arsenic	10		0.54	0.075	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B10 (0-2)

Lab Sample ID: 500-36265-10

Date Collected: 07/06/11 13:55

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 86.8

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.58		0.22	0.011	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Cadmium	0.48		0.11	0.015	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Chromium	16		0.54	0.046	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Copper	34		0.54	0.075	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Lead	66		0.27	0.13	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Nickel	21	B	0.54	0.035	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Selenium	<0.54		0.54	0.15	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Silver	<0.27		0.27	0.034	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Thallium	0.23	J	0.54	0.18	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Zinc	63	B	1.1	0.086	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1
Barium	65		0.54	0.030	mg/Kg	☼	07/07/11 08:50	07/13/11 07:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/14/11 10:30	07/19/11 12:53	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/14/11 10:30	07/19/11 12:53	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 07:15	07/15/11 11:32	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.43	B	0.092	0.0093	mg/Kg	☼	07/13/11 08:25	07/13/11 13:46	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.05		0.200	0.200	SU			07/14/11 13:14	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B10 (12-14)

Lab Sample ID: 500-36265-11

Date Collected: 07/06/11 14:05

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 83.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.3		4.3	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Vinyl chloride	<4.3		4.3	0.61	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Bromomethane	<4.3		4.3	0.93	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Chloroethane	<4.3		4.3	0.91	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
1,1-Dichloroethene	<4.3		4.3	0.69	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Carbon disulfide	<4.3		4.3	0.62	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Acetone	13		4.3	2.1	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Methylene Chloride	<4.3		4.3	1.2	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
trans-1,2-Dichloroethene	<4.3		4.3	0.62	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Methyl tert-butyl ether	<4.3		4.3	0.65	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
1,1-Dichloroethane	<4.3		4.3	0.69	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
cis-1,2-Dichloroethene	<4.3		4.3	0.63	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Methyl Ethyl Ketone	<4.3		4.3	0.94	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Chloroform	<4.3		4.3	0.80	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
1,1,1-Trichloroethane	<4.3		4.3	0.83	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Carbon tetrachloride	<4.3		4.3	0.95	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Benzene	<4.3		4.3	0.47	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
1,2-Dichloroethane	<4.3		4.3	0.44	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Trichloroethene	<4.3		4.3	0.70	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
1,2-Dichloropropane	<4.3		4.3	0.98	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Bromodichloromethane	<4.3		4.3	0.66	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
cis-1,3-Dichloropropene	<4.3		4.3	0.49	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
methyl isobutyl ketone	<4.3		4.3	0.74	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Toluene	<4.3		4.3	0.84	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
trans-1,3-Dichloropropene	<4.3		4.3	0.98	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
1,1,2-Trichloroethane	<4.3		4.3	0.58	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Tetrachloroethene	<4.3		4.3	0.82	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
2-Hexanone	<4.3		4.3	0.62	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Dibromochloromethane	<4.3		4.3	0.60	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Chlorobenzene	<4.3		4.3	0.69	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Ethylbenzene	<4.3		4.3	0.65	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Styrene	<4.3		4.3	0.55	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Bromoform	<4.3		4.3	0.70	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
1,1,2,2-Tetrachloroethane	<4.3		4.3	0.59	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
Xylenes, Total	<8.7		8.7	0.61	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1
1,3-Dichloropropene, Total	<4.3		4.3	0.49	ug/Kg	*	07/06/11 09:45	07/08/11 15:04	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		69 - 120	07/06/11 09:45	07/08/11 15:04	1
Toluene-d8 (Surr)	102		69 - 122	07/06/11 09:45	07/08/11 15:04	1
4-Bromofluorobenzene (Surr)	101		67 - 120	07/06/11 09:45	07/08/11 15:04	1
Dibromofluoromethane	108		69 - 120	07/06/11 09:45	07/08/11 15:04	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	*	07/11/11 16:33	07/14/11 17:34	1
2,4,6-Trichlorophenol	<380		380	83	ug/Kg	*	07/11/11 16:33	07/14/11 17:34	1
2,4-Dichlorophenol	<380		380	49	ug/Kg	*	07/11/11 16:33	07/14/11 17:34	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	*	07/11/11 16:33	07/14/11 17:34	1
2,4-Dinitrophenol	<780		780	280	ug/Kg	*	07/11/11 16:33	07/14/11 17:34	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B10 (12-14)

Lab Sample ID: 500-36265-11

Date Collected: 07/06/11 14:05

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 83.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	40	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
2,6-Dinitrotoluene	<190		190	26	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
2-Chloronaphthalene	<190		190	15	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
2-Chlorophenol	<190		190	20	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
2-Methylnaphthalene	34	J	190	15	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
2-Methylphenol	<190		190	29	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
2-Nitroaniline	<190		190	23	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
2-Nitrophenol	<380		380	110	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
3-Nitroaniline	<380		380	67	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
4,6-Dinitro-2-methylphenol	<380		380	73	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
4-Bromophenyl phenyl ether	<190		190	24	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
4-Chloro-3-methylphenol	<380		380	94	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
4-Chloroaniline	<780		780	120	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
4-Nitroaniline	<380		380	66	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
4-Nitrophenol	<780		780	310	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Acenaphthene	<38		38	8.1	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Acenaphthylene	<38		38	6.0	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Anthracene	<38		38	7.1	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Benzo[a]anthracene	<38		38	8.3	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Benzo[b]fluoranthene	<38		38	8.0	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Benzo[g,h,i]perylene	22	J	38	9.4	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Benzo[k]fluoranthene	<38		38	9.1	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Bis(2-chloroethoxy)methane	<190		190	16	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Bis(2-ethylhexyl) phthalate	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Carbazole	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Chrysene	21	J	38	12	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Dibenz(a,h)anthracene	<38		38	9.8	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Dibenzofuran	<190		190	44	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Diethyl phthalate	<190		190	42	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Dimethyl phthalate	<190		190	17	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Di-n-octyl phthalate	<190		190	31	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Fluorene	<38		38	7.4	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Hexachlorobenzene	<78		78	7.4	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Hexachlorobutadiene	<190		190	30	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Hexachlorocyclopentadiene	<780		780	380	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Hexachloroethane	<190		190	29	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Isophorone	<190		190	86	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Naphthalene	<38		38	7.0	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Nitrobenzene	<38		38	9.3	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
1,4-Dichlorobenzene	<190		190	22	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
2,2'-oxybis[1-chloropropane]	<190		190	42	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B10 (12-14)

Lab Sample ID: 500-36265-11

Date Collected: 07/06/11 14:05

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 83.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	27	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Pentachlorophenol	<780		780	130	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Phenanthrene	42		38	7.6	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Phenol	<190		190	40	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
Pyrene	14 J		38	13	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
1,2,4-Trichlorobenzene	<190		190	24	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1
3 & 4 Methylphenol	<190		190	39	ug/Kg	☼	07/11/11 16:33	07/14/11 17:34	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		27 - 113	07/11/11 16:33	07/14/11 17:34	1
2-Fluorophenol	53		30 - 110	07/11/11 16:33	07/14/11 17:34	1
Nitrobenzene-d5	56		22 - 110	07/11/11 16:33	07/14/11 17:34	1
Phenol-d5	54		26 - 112	07/11/11 16:33	07/14/11 17:34	1
2,4,6-Tribromophenol	54		30 - 137	07/11/11 16:33	07/14/11 17:34	1
Terphenyl-d14	69		33 - 129	07/11/11 16:33	07/14/11 17:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.5	ug/Kg	☼	07/11/11 18:34	07/13/11 16:15	1
PCB-1221	<19		19	7.1	ug/Kg	☼	07/11/11 18:34	07/13/11 16:15	1
PCB-1232	<19		19	6.6	ug/Kg	☼	07/11/11 18:34	07/13/11 16:15	1
PCB-1242	<19		19	5.8	ug/Kg	☼	07/11/11 18:34	07/13/11 16:15	1
PCB-1248	<19		19	6.4	ug/Kg	☼	07/11/11 18:34	07/13/11 16:15	1
PCB-1254	<19		19	5.9	ug/Kg	☼	07/11/11 18:34	07/13/11 16:15	1
PCB-1260	<19		19	6.1	ug/Kg	☼	07/11/11 18:34	07/13/11 16:15	1
Polychlorinated biphenyls, Total	<19		19	4.5	ug/Kg	☼	07/11/11 18:34	07/13/11 16:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		28 - 124	07/11/11 18:34	07/13/11 16:15	1
DCB Decachlorobiphenyl	87		38 - 130	07/11/11 18:34	07/13/11 16:15	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 23:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/11 10:30	07/14/11 23:11	1
Barium	0.30 J		0.50	0.010	mg/L		07/14/11 10:30	07/14/11 23:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/11 10:30	07/14/11 23:11	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 23:11	1
Copper	0.076		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 23:11	1
Lead	0.014		0.0075	0.0050	mg/L		07/14/11 10:30	07/14/11 23:11	1
Nickel	0.12		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 23:11	1
Selenium	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 23:11	1
Silver	<0.025		0.025	0.0050	mg/L		07/14/11 10:30	07/14/11 23:11	1
Zinc	0.049 J		0.10	0.020	mg/L		07/14/11 10:30	07/14/11 23:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.37 J		1.1	0.13	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Arsenic	6.6		0.56	0.079	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1227B10 (12-14)

Lab Sample ID: 500-36265-11

Date Collected: 07/06/11 14:05

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 83.5

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.65		0.22	0.011	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Cadmium	0.31		0.11	0.015	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Chromium	17		0.56	0.048	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Copper	24		0.56	0.079	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Lead	10		0.28	0.13	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Nickel	24	B	0.56	0.037	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Thallium	0.30	J	0.56	0.19	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Zinc	40	B	1.1	0.090	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1
Barium	61		0.56	0.031	mg/Kg	☼	07/07/11 08:50	07/13/11 07:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/14/11 10:30	07/19/11 12:59	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/14/11 10:30	07/19/11 12:59	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 07:15	07/15/11 12:01	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043	B	0.019	0.0019	mg/Kg	☼	07/13/11 08:25	07/13/11 12:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.94		0.200	0.200	SU			07/14/11 13:17	1



Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	Duplicate RPD exceeds the control limit
F	MS or MSD exceeds the 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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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 Company: _____
 Address: _____
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 PO#/Reference#: _____

Chain of Custody Record
 Lab Job #: 500-36265
 Chain of Custody Number: EE6-12-07
 Page 1 of 2
 Temperature °C of Cooler: (3.4) (3.8)

Lab ID	Sample ID	Date	Time	Preservative	Parameter	Matrix		Total PCBs	Total Priority	TCLP PD Metals	PH & % Solids	Waste Disposal	PAHs	Total RCRA Met	TCLP RCRA Met	Comments
						# of Containers	Mark									
1	E1259B12(8-10)	7/6/11	0945	2 S	VOCs	2	S	X	X	X	X			X		
2	E1259B09(4-6)	7/6/11	1035	3 S	VOCs	3	S	X	X	X	X			X		
3	E1259B09(8-10)	7/6/11	1040	2 S	VOCs	2	S	X	X	X	X			X		
4	E1259G09	7/6/11	1100	6 W	VOCs	6	W	X	X	X	X			X		
5	E127B02	7/6/11	1100	2 W	VOCs	2	W	X	X	X	X			X		
6	E1227B12(6-8)	7/6/11	1210	2 S	VOCs	2	S	X	X	X	X			X		
7	E1227B12(4-16)	7/6/11	1215	2 S	VOCs	2	S	X	X	X	X			X		

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

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

Reinforced By: [Signature] Date: 7/6/11 Time: 1500
 Company: EVE

Received By: [Signature] Date: 7-6-11 Time: 1300
 Company: TAL

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Devin Tibbalt
 Contact: EIE
 Company: 33 W. Monroe Suite 650
 Address: Chicago IL 60603
 Address: 312.578.9243
 Phone: 312.578.9345
 Fax: E-Mail: dtibbalt@ene.com

Report To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____

Chain of Custody Record
 Lab Job #: 500-36265
 Chain of Custody Number: EEG-12-08
 Page: 2 of 2
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix # & Containers	Preservative	Parameters					Comments
							VOCs	PCBs	S/VOCs	Total Priority	RP Priority	
8		E1227B11CH-6	7/6/11	1250	2 S		X	X	X	X	X	
9		E1227B11UG-18	7/6/11	1300	2 S		X	X	X	X	X	
10		E1227B10CO-2	7/6/11	1355	2 S		X	X	X	X	X	
11		E1227B10R2-14	7/6/11	1405	2 S		X	X	X	X	X	
12		E1227B09Q-4	7/6/11	1440	2 S		X	X	X	X	X	
13		E1227B09Q-12	7/6/11	1455	2 S		X	X	X	X	X	

Preservative Key
 1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/ZN, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

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

Requested Due Date _____

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

Retinquired By: EIE Date: 7/6/11 Time: 1500
 Company: EIE

Received By: [Signature] Date: 7-6-11 Time: 1500
 Company: [Signature]

Retinquired By: _____ Date: _____ Time: _____
 Company: _____

Received By: _____ Date: _____ Time: _____
 Company: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36452-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/20/2011 10:38:52 AM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

- 1
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- 13
- 14

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Job ID: 500-36452-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-36452-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 500-119382 exceeded control limits for the following analyte: 1,1-Dichloroethane. All analytes in the laboratory control sample (LCS) were within control limits. All %RPD values were within control limits.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 119382 recovered 1,1-Dichloroethane below the in-house generated QC limits. The laboratory control sample (LCS) was within limits.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: E1232B03(0-2) (500-36452-11). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 07/14/2011 at 18:25 did not meet control limits for Aroclor 1260 on the confirmation column (Rtx-Clp2). Sample matrix is suspected to have contributed to this failure.

Method(s) 8081A: The continuing calibration verification (CCV) for Toxaphene recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Chlordane (technical) and Methoxychlor. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The matrix (MS) recoveries for batch 119639 were outside control limits for Heptachlor epoxide and gamma-BHC (Lindane). The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The ICB for AD batch 119567 was slightly outside acceptance limit for Ni. All other CCB's were within acceptance limits. The samples were reported.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1227B01(0-2)

Lab Sample ID: 500-36452-6

Date Collected: 07/11/11 14:40

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 86.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.6		4.6	0.76	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Vinyl chloride	<4.6		4.6	0.65	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Bromomethane	<4.6		4.6	0.99	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Chloroethane	<4.6		4.6	0.97	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
1,1-Dichloroethene	<4.6		4.6	0.73	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Carbon disulfide	<4.6		4.6	0.66	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Acetone	<4.6		4.6	2.3	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Methylene Chloride	<4.6		4.6	1.3	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
trans-1,2-Dichloroethene	<4.6		4.6	0.66	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Methyl tert-butyl ether	<4.6		4.6	0.69	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
1,1-Dichloroethane	<4.6		4.6	0.73	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
cis-1,2-Dichloroethene	<4.6		4.6	0.68	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Methyl Ethyl Ketone	<4.6		4.6	1.0	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Chloroform	<4.6		4.6	0.85	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
1,1,1-Trichloroethane	<4.6		4.6	0.89	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Carbon tetrachloride	<4.6		4.6	1.0	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Benzene	<4.6		4.6	0.50	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
1,2-Dichloroethane	<4.6		4.6	0.47	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Trichloroethene	<4.6		4.6	0.75	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
1,2-Dichloropropane	<4.6		4.6	1.0	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Bromodichloromethane	<4.6		4.6	0.70	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
cis-1,3-Dichloropropene	<4.6		4.6	0.53	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
methyl isobutyl ketone	<4.6		4.6	0.79	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Toluene	<4.6		4.6	0.90	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
trans-1,3-Dichloropropene	<4.6		4.6	1.0	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
1,1,2-Trichloroethane	<4.6		4.6	0.62	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Tetrachloroethene	<4.6		4.6	0.88	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
2-Hexanone	<4.6		4.6	0.66	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Dibromochloromethane	<4.6		4.6	0.64	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Chlorobenzene	<4.6		4.6	0.73	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Ethylbenzene	<4.6		4.6	0.69	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Styrene	<4.6		4.6	0.58	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Bromoform	<4.6		4.6	0.75	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
1,1,2,2-Tetrachloroethane	<4.6		4.6	0.63	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
Xylenes, Total	<9.3		9.3	0.65	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1
1,3-Dichloropropene, Total	<4.6		4.6	0.53	ug/Kg	*	07/11/11 14:40	07/13/11 17:27	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		69 - 120	07/11/11 14:40	07/13/11 17:27	1
Toluene-d8 (Surr)	105		69 - 122	07/11/11 14:40	07/13/11 17:27	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/11/11 14:40	07/13/11 17:27	1
Dibromofluoromethane	104		69 - 120	07/11/11 14:40	07/13/11 17:27	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	82	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2,4,6-Trichlorophenol	<370		370	79	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2,4-Dichlorophenol	<370		370	47	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2,4-Dimethylphenol	<370		370	120	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2,4-Dinitrophenol	<740		740	270	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1227B01(0-2)

Lab Sample ID: 500-36452-6

Date Collected: 07/11/11 14:40

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 86.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	38	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2,6-Dinitrotoluene	<190		190	25	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2-Chloronaphthalene	<190		190	15	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2-Chlorophenol	<190		190	19	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2-Methylnaphthalene	<190		190	14	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2-Methylphenol	<190		190	27	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2-Nitroaniline	<190		190	22	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2-Nitrophenol	<370		370	110	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
3,3'-Dichlorobenzidine	<190		190	27	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
3-Nitroaniline	<370		370	64	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
4,6-Dinitro-2-methylphenol	<370		370	70	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
4-Bromophenyl phenyl ether	<190		190	23	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
4-Chloro-3-methylphenol	<370		370	90	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
4-Chloroaniline	<740		740	120	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
4-Chlorophenyl phenyl ether	<190		190	41	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
4-Nitroaniline	<370		370	63	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
4-Nitrophenol	<740		740	300	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Acenaphthene	14	J	37	7.7	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Acenaphthylene	11	J	37	5.7	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Anthracene	40		37	6.7	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Benzo[a]anthracene	300		37	7.9	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Benzo[a]pyrene	280		37	7.1	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Benzo[b]fluoranthene	340		37	7.6	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Benzo[g,h,i]perylene	180		37	9.0	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Benzo[k]fluoranthene	190		37	8.7	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Bis(2-chloroethoxy)methane	<190		190	15	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Bis(2-chloroethyl)ether	<190		190	21	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Bis(2-ethylhexyl) phthalate	<190		190	20	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Butyl benzyl phthalate	<190		190	31	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Carbazole	33	J	190	20	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Chrysene	340		37	12	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Dibenz(a,h)anthracene	89		37	9.3	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Dibenzofuran	<190		190	42	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Diethyl phthalate	<190		190	40	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Dimethyl phthalate	<190		190	16	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Di-n-butyl phthalate	<190		190	20	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Di-n-octyl phthalate	<190		190	30	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
1,3-Dichlorobenzene	<190		190	20	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Fluoranthene	610		37	6.9	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Fluorene	18	J	37	7.0	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Hexachlorobenzene	<74		74	7.1	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Hexachlorobutadiene	<190		190	28	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Hexachlorocyclopentadiene	<740		740	370	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Hexachloroethane	<190		190	28	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Indeno[1,2,3-cd]pyrene	160		37	9.4	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Isophorone	<190		190	82	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Naphthalene	<37		37	6.7	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
Nitrobenzene	<37		37	8.9	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
1,4-Dichlorobenzene	<190		190	21	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1
2,2'-oxybis[1-chloropropane]	<190		190	40	ug/Kg	*	07/18/11 16:33	07/19/11 16:39	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1227B01(0-2)

Lab Sample ID: 500-36452-6

Date Collected: 07/11/11 14:40

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 86.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	26	ug/Kg	☼	07/18/11 16:33	07/19/11 16:39	1
N-Nitrosodiphenylamine	<190		190	20	ug/Kg	☼	07/18/11 16:33	07/19/11 16:39	1
Pentachlorophenol	<740		740	120	ug/Kg	☼	07/18/11 16:33	07/19/11 16:39	1
Phenanthrene	290		37	7.3	ug/Kg	☼	07/18/11 16:33	07/19/11 16:39	1
Phenol	<190		190	39	ug/Kg	☼	07/18/11 16:33	07/19/11 16:39	1
Pyrene	530		37	13	ug/Kg	☼	07/18/11 16:33	07/19/11 16:39	1
1,2-Dichlorobenzene	<190		190	20	ug/Kg	☼	07/18/11 16:33	07/19/11 16:39	1
1,2,4-Trichlorobenzene	<190		190	23	ug/Kg	☼	07/18/11 16:33	07/19/11 16:39	1
3 & 4 Methylphenol	<190		190	37	ug/Kg	☼	07/18/11 16:33	07/19/11 16:39	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	64		27 - 113	07/18/11 16:33	07/19/11 16:39	1
2-Fluorophenol	74		30 - 110	07/18/11 16:33	07/19/11 16:39	1
Nitrobenzene-d5	62		22 - 110	07/18/11 16:33	07/19/11 16:39	1
Phenol-d5	71		26 - 112	07/18/11 16:33	07/19/11 16:39	1
2,4,6-Tribromophenol	110		30 - 137	07/18/11 16:33	07/19/11 16:39	1
Terphenyl-d14	78		33 - 129	07/18/11 16:33	07/19/11 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	07/13/11 21:23	07/14/11 18:11	1
PCB-1221	<19		19	7.2	ug/Kg	☼	07/13/11 21:23	07/14/11 18:11	1
PCB-1232	<19		19	6.6	ug/Kg	☼	07/13/11 21:23	07/14/11 18:11	1
PCB-1242	<19		19	5.8	ug/Kg	☼	07/13/11 21:23	07/14/11 18:11	1
PCB-1248	<19		19	6.5	ug/Kg	☼	07/13/11 21:23	07/14/11 18:11	1
PCB-1254	<19		19	5.9	ug/Kg	☼	07/13/11 21:23	07/14/11 18:11	1
PCB-1260	<19		19	6.2	ug/Kg	☼	07/13/11 21:23	07/14/11 18:11	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	☼	07/13/11 21:23	07/14/11 18:11	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		28 - 124	07/13/11 21:23	07/14/11 18:11	1
DCB Decachlorobiphenyl	81		38 - 130	07/13/11 21:23	07/14/11 18:11	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 10:30	07/16/11 21:48	1
Barium	0.27	J	0.50	0.010	mg/L		07/16/11 10:30	07/16/11 21:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 21:48	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:48	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:48	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 21:48	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:48	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:48	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 21:48	1
Zinc	<0.10		0.10	0.020	mg/L		07/16/11 10:30	07/16/11 21:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.22	J	1.1	0.13	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Arsenic	9.9		0.57	0.080	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1227B01(0-2)

Lab Sample ID: 500-36452-6

Date Collected: 07/11/11 14:40

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 86.8

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.64		0.23	0.011	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Cadmium	0.088	J	0.11	0.015	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Chromium	16		0.57	0.048	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Copper	19		0.57	0.080	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Lead	21		0.29	0.14	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Nickel	18	^	0.57	0.038	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Selenium	<0.57		0.57	0.16	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Silver	<0.29		0.29	0.036	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Thallium	0.44	J	0.57	0.19	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Zinc	49		1.1	0.091	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1
Barium	69		0.57	0.032	mg/Kg	☼	07/12/11 15:10	07/16/11 04:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 10:30	07/19/11 13:44	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 10:30	07/19/11 13:44	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:28	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.019	0.0019	mg/Kg	☼	07/15/11 07:40	07/15/11 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.96		0.200	0.200	SU			07/19/11 15:30	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1227B01(6-8)

Lab Sample ID: 500-36452-7

Date Collected: 07/11/11 14:50

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 84.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.4		4.4	0.72	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Vinyl chloride	<4.4		4.4	0.62	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Bromomethane	<4.4		4.4	0.94	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Chloroethane	<4.4		4.4	0.93	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
1,1-Dichloroethene	<4.4		4.4	0.70	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Carbon disulfide	<4.4		4.4	0.63	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Acetone	4.1	J	4.4	2.2	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Methylene Chloride	<4.4		4.4	1.2	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
trans-1,2-Dichloroethene	<4.4		4.4	0.63	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Methyl tert-butyl ether	<4.4		4.4	0.66	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
1,1-Dichloroethane	<4.4		4.4	0.70	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
cis-1,2-Dichloroethene	<4.4		4.4	0.64	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Methyl Ethyl Ketone	<4.4		4.4	0.95	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Chloroform	<4.4		4.4	0.81	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
1,1,1-Trichloroethane	<4.4		4.4	0.85	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Carbon tetrachloride	<4.4		4.4	0.96	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Benzene	<4.4		4.4	0.48	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
1,2-Dichloroethane	<4.4		4.4	0.45	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Trichloroethene	<4.4		4.4	0.71	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
1,2-Dichloropropane	<4.4		4.4	1.0	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Bromodichloromethane	<4.4		4.4	0.67	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
cis-1,3-Dichloropropene	<4.4		4.4	0.50	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
methyl isobutyl ketone	<4.4		4.4	0.75	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Toluene	<4.4		4.4	0.86	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
trans-1,3-Dichloropropene	<4.4		4.4	1.0	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
1,1,2-Trichloroethane	<4.4		4.4	0.59	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Tetrachloroethene	<4.4		4.4	0.84	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
2-Hexanone	<4.4		4.4	0.63	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Dibromochloromethane	<4.4		4.4	0.61	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Chlorobenzene	<4.4		4.4	0.70	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Ethylbenzene	<4.4		4.4	0.66	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Styrene	<4.4		4.4	0.56	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Bromoform	<4.4		4.4	0.71	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
1,1,2,2-Tetrachloroethane	<4.4		4.4	0.60	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
Xylenes, Total	<8.8		8.8	0.62	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1
1,3-Dichloropropene, Total	<4.4		4.4	0.50	ug/Kg	*	07/11/11 14:50	07/13/11 13:18	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		69 - 120	07/11/11 14:50	07/13/11 13:18	1
Toluene-d8 (Surr)	105		69 - 122	07/11/11 14:50	07/13/11 13:18	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/11/11 14:50	07/13/11 13:18	1
Dibromofluoromethane	107		69 - 120	07/11/11 14:50	07/13/11 13:18	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	82	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2,4,6-Trichlorophenol	<370		370	80	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2,4-Dichlorophenol	<370		370	47	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2,4-Dimethylphenol	<370		370	120	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2,4-Dinitrophenol	<750		750	270	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1227B01(6-8)

Lab Sample ID: 500-36452-7

Date Collected: 07/11/11 14:50

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 84.7

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	38	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2,6-Dinitrotoluene	<190		190	25	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2-Chloronaphthalene	<190		190	15	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2-Chlorophenol	<190		190	19	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2-Methylnaphthalene	<190		190	14	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2-Methylphenol	<190		190	28	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2-Nitroaniline	<190		190	22	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2-Nitrophenol	<370		370	110	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
3,3'-Dichlorobenzidine	<190		190	27	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
3-Nitroaniline	<370		370	64	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
4,6-Dinitro-2-methylphenol	<370		370	70	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
4-Bromophenyl phenyl ether	<190		190	23	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
4-Chloro-3-methylphenol	<370		370	90	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
4-Chloroaniline	<750		750	120	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
4-Chlorophenyl phenyl ether	<190		190	41	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
4-Nitroaniline	<370		370	63	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
4-Nitrophenol	<750		750	300	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Acenaphthene	<37		37	7.7	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Acenaphthylene	<37		37	5.7	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Anthracene	<37		37	6.8	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Benzo[a]anthracene	<37		37	7.9	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Benzo[b]fluoranthene	<37		37	7.7	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Benzo[g,h,i]perylene	15	J	37	9.0	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Benzo[k]fluoranthene	<37		37	8.7	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Bis(2-chloroethoxy)methane	<190		190	15	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Bis(2-chloroethyl)ether	<190		190	21	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Bis(2-ethylhexyl) phthalate	<190		190	20	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Butyl benzyl phthalate	<190		190	31	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Carbazole	<190		190	20	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Chrysene	<37		37	12	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Dibenz(a,h)anthracene	<37		37	9.4	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Dibenzofuran	<190		190	42	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Diethyl phthalate	<190		190	40	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Dimethyl phthalate	<190		190	16	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Di-n-butyl phthalate	<190		190	20	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Di-n-octyl phthalate	<190		190	30	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
1,3-Dichlorobenzene	<190		190	20	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Fluoranthene	<37		37	6.9	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Fluorene	<37		37	7.1	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Hexachlorobenzene	<75		75	7.1	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Hexachlorobutadiene	<190		190	29	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Hexachlorocyclopentadiene	<750		750	370	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Hexachloroethane	<190		190	28	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Indeno[1,2,3-cd]pyrene	9.5	J	37	9.4	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Isophorone	<190		190	82	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Naphthalene	<37		37	6.7	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
Nitrobenzene	<37		37	8.9	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
1,4-Dichlorobenzene	<190		190	21	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1
2,2'-oxybis[1-chloropropane]	<190		190	40	ug/Kg	*	07/18/11 16:33	07/19/11 17:02	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1227B01(6-8)

Lab Sample ID: 500-36452-7

Date Collected: 07/11/11 14:50

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 84.7

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	26	ug/Kg	☼	07/18/11 16:33	07/19/11 17:02	1
N-Nitrosodiphenylamine	<190		190	20	ug/Kg	☼	07/18/11 16:33	07/19/11 17:02	1
Pentachlorophenol	<750		750	120	ug/Kg	☼	07/18/11 16:33	07/19/11 17:02	1
Phenanthrene	<37		37	7.3	ug/Kg	☼	07/18/11 16:33	07/19/11 17:02	1
Phenol	<190		190	39	ug/Kg	☼	07/18/11 16:33	07/19/11 17:02	1
Pyrene	<37		37	13	ug/Kg	☼	07/18/11 16:33	07/19/11 17:02	1
1,2-Dichlorobenzene	<190		190	20	ug/Kg	☼	07/18/11 16:33	07/19/11 17:02	1
1,2,4-Trichlorobenzene	<190		190	23	ug/Kg	☼	07/18/11 16:33	07/19/11 17:02	1
3 & 4 Methylphenol	<190		190	37	ug/Kg	☼	07/18/11 16:33	07/19/11 17:02	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	63		27 - 113	07/18/11 16:33	07/19/11 17:02	1
2-Fluorophenol	66		30 - 110	07/18/11 16:33	07/19/11 17:02	1
Nitrobenzene-d5	62		22 - 110	07/18/11 16:33	07/19/11 17:02	1
Phenol-d5	67		26 - 112	07/18/11 16:33	07/19/11 17:02	1
2,4,6-Tribromophenol	100		30 - 137	07/18/11 16:33	07/19/11 17:02	1
Terphenyl-d14	81		33 - 129	07/18/11 16:33	07/19/11 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	07/13/11 21:23	07/14/11 18:39	1
PCB-1221	<19		19	7.2	ug/Kg	☼	07/13/11 21:23	07/14/11 18:39	1
PCB-1232	<19		19	6.6	ug/Kg	☼	07/13/11 21:23	07/14/11 18:39	1
PCB-1242	<19		19	5.8	ug/Kg	☼	07/13/11 21:23	07/14/11 18:39	1
PCB-1248	<19		19	6.5	ug/Kg	☼	07/13/11 21:23	07/14/11 18:39	1
PCB-1254	<19		19	6.0	ug/Kg	☼	07/13/11 21:23	07/14/11 18:39	1
PCB-1260	<19		19	6.2	ug/Kg	☼	07/13/11 21:23	07/14/11 18:39	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	☼	07/13/11 21:23	07/14/11 18:39	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		28 - 124	07/13/11 21:23	07/14/11 18:39	1
DCB Decachlorobiphenyl	78		38 - 130	07/13/11 21:23	07/14/11 18:39	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:54	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 10:30	07/16/11 21:54	1
Barium	0.34	J	0.50	0.010	mg/L		07/16/11 10:30	07/16/11 21:54	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 21:54	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:54	1
Copper	0.011	J	0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:54	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 21:54	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:54	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:54	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 21:54	1
Zinc	0.031	J B	0.10	0.020	mg/L		07/16/11 10:30	07/16/11 21:54	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.23	J	1.1	0.13	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Arsenic	5.4		0.55	0.078	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1227B01(6-8)

Lab Sample ID: 500-36452-7

Date Collected: 07/11/11 14:50

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 84.7

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.56		0.22	0.011	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Cadmium	0.23		0.11	0.015	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Chromium	18		0.55	0.047	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Copper	22		0.55	0.078	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Lead	10		0.28	0.13	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Nickel	25 ^		0.55	0.037	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Selenium	<0.55	L	0.55	0.16	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Thallium	<0.55		0.55	0.19	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Zinc	38		1.1	0.089	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1
Barium	46		0.55	0.031	mg/Kg	☼	07/12/11 15:10	07/16/11 04:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 10:30	07/19/11 13:45	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 10:30	07/19/11 13:45	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:30	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.017	0.0018	mg/Kg	☼	07/15/11 07:40	07/15/11 10:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.07		0.200	0.200	SU			07/19/11 15:33	1



Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Debra Tarent
 Contact: K.E
 Company: 32 W. Mainville St. Syc. St. IL
 Address: 66007
 Address: 312 576 9243
 Phone: 312 576 9345
 Fax: 312 576 9345
 E-Mail: ttarent@amr.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Chain of Custody Record
 Lab Job #: 500-36452
 Chain of Custody Number: E6612-14
 Page 1 of 1
 Temperature °C of Cooler: (3.5)(3.2)

Lab ID	MMSD	Sample ID	Sampler	Client Project #	Client Project Name	Project Location/State	Lab Project #	Lab PM	Sampling		Matrix	Containers #	Preservative	VOC	S VOC	P.P. Metals	TCDF P.P. + Ba	P.P. Metals	MnLV + Ba	Pb/Cd/SLP	Wastewater Disposal	Comments
									Date	Time												
1		E1246B02(4-6)	South Cooper	3153	WZ12-01	Living Park Road (FL11)	5672	Dick Wright	7-11-11	1005	2 S			X	X	X	X	X	X	X		
2		E1246B01(2-4)							7-11-11	1025	3 S			X	X	X	X	X	X	X		
3		E1245B03(4-6)							7-11-11	1100	2 S			X	X	X	X	X	X	X		
4		E1245B02(2-4)							7-11-11	1115	2 S			X	X	X	X	X	X	X		
5		E1245B01(0-2)							7-11-11	1145	3 S			X	X	X	X	X	X	X		
6		E1227B01(0-2)							7-11-11	1440	2 S			X	X	X	X	X	X	X		
7		E1227B01(6-8)							7-11-11	1450	2 S			X	X	X	X	X	X	X		

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

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

Relinquished By: SKJ Company: K.E Date: 7-11-11 Time: 1500
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: JA Company: JA Date: 7-11-11 Time: 1500
 Received By: JA Company: JA Date: 7-12-11 Time: 0630

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

Matrix Key:
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air

SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-36452
 Chain of Custody Number: EE6-12-15
 Page 1 of 1
 Temperature °C of Cooler: _____

Report To: _____
 Contact: Debra Tribbett
 Company: C.E.
 Address: 33 W. Monroe St. East St.
 Address: Chicago, IL 60607
 Phone: 312.576.9247
 Fax: 312.576.9345
 E-Mail: dttribbett@ce.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Lab ID	NS/MSD	Sampler	Project Location/State	Client Project #	Preservative	Parameter	Matrix	Sampling		Containers	# of Containers	Date	Time	Comments
								Date	Time					
8		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1245	3	S	X	X	Wash Disposal
9		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1335	2	S	X	X	Wash Disposal
10		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1335	2	S	X	X	Wash Disposal
11		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1355	2	S	X	X	Wash Disposal
12		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1410	3	S	X	X	Wash Disposal

Turnaround Time Required (Business Days): 15 Days 10 Days 7 Days 5 Days 2 Days Other _____

Requested Due Date: _____

Sample Disposal: Return to Client Disposal by Lab

Archive for: _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Retransmitted By: <u>ATB</u>	Company: <u>C.E.</u>	Date: <u>7-11-11</u>	Time: <u>1500</u>
Relinquished By: <u>ATB</u>	Company: <u>C.E.</u>	Date: <u>7-11-11</u>	Time: <u>1500</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____

Received By: <u>ATB</u>	Company: <u>C.E.</u>	Date: <u>7-11-11</u>	Time: <u>1500</u>
Received By: <u>ATB</u>	Company: <u>C.E.</u>	Date: <u>7-11-11</u>	Time: <u>1500</u>
Received By: _____	Company: _____	Date: _____	Time: _____

Lab Counter: TA

Shipped: _____

Hand Delivered: _____

Client Comments: _____

Lab Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36486-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/20/2011 10:46:00 AM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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- 13
- 14

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Job ID: 500-36486-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-36486-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 500-119382 exceeded control limits for the following analyte: 1,1-Dichloroethane. All analytes in the laboratory control sample (LCS) were within control limits. All %RPD values were within control limits.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 119382 recovered 1,1-Dichloroethane below the in-house generated QC limits. The laboratory control sample (LCS) was within limits.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: 500-36486-1 had one acid surrogate {Phenol-d5 at 17% (20%-100%)} and one base/neutral surrogate [Terphenyl-d14 at 42% (52%-131%)] biased low. No further action was required.E1227G01 (500-36486-1)

Method(s) 8270C: The laboratory control sample (LCS) for batch 119162 was below control limits for 2-Methylphenol at 46% (48%-100%), but was within the marginal exceedence. No further action was required.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 119299 were outside control limits. There were 3 RPD's > 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required.E1227B08 (0-2) (500-36486-3)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected on the confirmation column: TCX and Aroclor 1260.E1227B05 (0-2) (500-36486-10), E1227B05 (6-8) (500-36486-11), E1227B06 (0-2) (500-36486-8), E1227B06 (4-6) (500-36486-9), E1227B07 (2-4) (500-36486-6), E1227B07 (6-8) (500-36486-7), E1227B08 (0-2) (500-36486-3), E1227B08 (14-16) (500-36486-4), E1227B08D (14-16) (500-36486-5)

Method(s) 8081A: The continuing calibration verification (CCV) for Toxaphene recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. E1227B02 (0-2) (500-36486-16)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Chlordane (technical) and Methoxychlor.E1227B02 (0-2) (500-36486-16)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The ICB for AD batch 119567 was slightly outside acceptance limit for Ni. All other CCB's were within acceptance limits. The samples were reported.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Job ID: 500-36486-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

Method(s) 6010B: The serial dilution performed for the following sample 500-36486-16 was outside control limits for As, Be, Cr, Ni, Pb and Zn.

Method(s) 6010B: The matrix duplicate %RPD for 500-36486-16 was outside the control limits for Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36486-16 were outside control limits for Sb, Se and Zn. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) precision for sample 500-36486-16 was outside control limits Pb.

Method(s) 6020: The internal standard Tb in the CCV and CCB at line 88 and 89 in AD batch 119820 was outside acceptance limits (71% and 79% respectively). The individual elements were within acceptance limits. The samples were reported.

Method(s) 6020: The ICSA for batch 119320 exceeded the upper acceptance limits for element: Cd. The sample was below the RL. The sample was reported.

Method(s) 6020: The ICV in AD batch 119320 was slightly outside the acceptance limits for Pb and TL (89%). All other CCV's were within acceptance limits and the samples were reported.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B06 (0-2)

Lab Sample ID: 500-36486-8

Date Collected: 07/12/11 09:45

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.3		5.3	0.88	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Vinyl chloride	<5.3		5.3	0.75	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Bromomethane	<5.3		5.3	1.1	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Chloroethane	<5.3		5.3	1.1	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
1,1-Dichloroethene	<5.3		5.3	0.84	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Carbon disulfide	<5.3		5.3	0.76	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Acetone	<5.3		5.3	2.6	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Methylene Chloride	<5.3		5.3	1.5	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
trans-1,2-Dichloroethene	<5.3		5.3	0.76	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Methyl tert-butyl ether	<5.3		5.3	0.80	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
1,1-Dichloroethane	<5.3 *		5.3	0.84	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
cis-1,2-Dichloroethene	<5.3		5.3	0.78	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Methyl Ethyl Ketone	<5.3		5.3	1.2	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Chloroform	<5.3		5.3	0.98	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
1,1,1-Trichloroethane	<5.3		5.3	1.0	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Carbon tetrachloride	<5.3		5.3	1.2	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Benzene	<5.3		5.3	0.58	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
1,2-Dichloroethane	<5.3		5.3	0.55	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Trichloroethene	<5.3		5.3	0.87	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
1,2-Dichloropropane	<5.3		5.3	1.2	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Bromodichloromethane	<5.3		5.3	0.81	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
cis-1,3-Dichloropropene	<5.3		5.3	0.61	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
methyl isobutyl ketone	<5.3		5.3	0.91	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Toluene	<5.3		5.3	1.0	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
trans-1,3-Dichloropropene	<5.3		5.3	1.2	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
1,1,2-Trichloroethane	<5.3		5.3	0.72	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Tetrachloroethene	<5.3		5.3	1.0	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
2-Hexanone	<5.3		5.3	0.76	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Dibromochloromethane	<5.3		5.3	0.74	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Chlorobenzene	<5.3		5.3	0.84	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Ethylbenzene	<5.3		5.3	0.80	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Styrene	<5.3		5.3	0.67	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Bromoform	<5.3		5.3	0.87	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
1,1,2,2-Tetrachloroethane	<5.3		5.3	0.73	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
Xylenes, Total	<11		11	0.75	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1
1,3-Dichloropropene, Total	<5.3		5.3	0.61	ug/Kg	*	07/12/11 09:45	07/15/11 12:18	1

Surrogate

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		69 - 120	07/12/11 09:45	07/15/11 12:18	1
Toluene-d8 (Surr)	89		69 - 122	07/12/11 09:45	07/15/11 12:18	1
4-Bromofluorobenzene (Surr)	82		67 - 120	07/12/11 09:45	07/15/11 12:18	1
Dibromofluoromethane	82		69 - 120	07/12/11 09:45	07/15/11 12:18	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	87	ug/Kg	*	07/14/11 07:10	07/16/11 18:04	1
2,4,6-Trichlorophenol	<390		390	84	ug/Kg	*	07/14/11 07:10	07/16/11 18:04	1
2,4-Dichlorophenol	<390		390	50	ug/Kg	*	07/14/11 07:10	07/16/11 18:04	1
2,4-Dimethylphenol	<390		390	130	ug/Kg	*	07/14/11 07:10	07/16/11 18:04	1
2,4-Dinitrophenol	<790		790	290	ug/Kg	*	07/14/11 07:10	07/16/11 18:04	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B06 (0-2)

Lab Sample ID: 500-36486-8

Date Collected: 07/12/11 09:45

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<200		200	40	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
2,6-Dinitrotoluene	<200		200	26	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
2-Chloronaphthalene	<200		200	16	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
2-Chlorophenol	<200		200	20	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
2-Methylnaphthalene	<200		200	15	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
2-Methylphenol	<200		200	29	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
2-Nitroaniline	<200		200	23	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
2-Nitrophenol	<390		390	110	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
3,3'-Dichlorobenzidine	<200		200	29	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
3-Nitroaniline	<390		390	68	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
4,6-Dinitro-2-methylphenol	<390		390	74	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
4-Bromophenyl phenyl ether	<200		200	24	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
4-Chloro-3-methylphenol	<390		390	96	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
4-Chloroaniline	<790		790	120	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
4-Chlorophenyl phenyl ether	<200		200	43	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
4-Nitroaniline	<390		390	67	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
4-Nitrophenol	<790		790	320	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Acenaphthene	14	J	39	8.2	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Acenaphthylene	<39		39	6.1	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Anthracene	79		39	7.1	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Benzo[a]anthracene	340		39	8.4	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Benzo[a]pyrene	290		39	7.5	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Benzo[b]fluoranthene	370		39	8.1	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Benzo[g,h,i]perylene	210		39	9.5	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Benzo[k]fluoranthene	160		39	9.2	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Bis(2-chloroethoxy)methane	<200		200	16	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Bis(2-chloroethyl)ether	<200		200	23	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Bis(2-ethylhexyl) phthalate	98	J	200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Butyl benzyl phthalate	<200		200	33	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Carbazole	26	J	200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Chrysene	340		39	12	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Dibenz(a,h)anthracene	95		39	9.9	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Dibenzofuran	<200		200	44	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Diethyl phthalate	<200		200	43	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Dimethyl phthalate	<200		200	17	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Di-n-butyl phthalate	<200		200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Di-n-octyl phthalate	<200		200	31	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
1,3-Dichlorobenzene	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Fluoranthene	600		39	7.3	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Fluorene	19	J	39	7.5	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Hexachlorobenzene	<79		79	7.5	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Hexachlorobutadiene	<200		200	30	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Hexachlorocyclopentadiene	<790		790	390	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Hexachloroethane	<200		200	30	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Indeno[1,2,3-cd]pyrene	190		39	10	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Isophorone	<200		200	87	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Naphthalene	<39		39	7.1	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Nitrobenzene	<39		39	9.4	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
1,4-Dichlorobenzene	<200		200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
2,2'-oxybis[1-chloropropane]	<200		200	42	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B06 (0-2)

Lab Sample ID: 500-36486-8

Date Collected: 07/12/11 09:45

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<200		200	27	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
N-Nitrosodiphenylamine	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Pentachlorophenol	<790		790	130	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Phenanthrene	290		39	7.7	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Phenol	<200		200	41	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
Pyrene	630		39	13	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
1,2-Dichlorobenzene	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
1,2,4-Trichlorobenzene	<200		200	24	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1
3 & 4 Methylphenol	<200		200	39	ug/Kg	☼	07/14/11 07:10	07/16/11 18:04	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		27 - 113	07/14/11 07:10	07/16/11 18:04	1
2-Fluorophenol	69		30 - 110	07/14/11 07:10	07/16/11 18:04	1
Nitrobenzene-d5	52		22 - 110	07/14/11 07:10	07/16/11 18:04	1
Phenol-d5	67		26 - 112	07/14/11 07:10	07/16/11 18:04	1
2,4,6-Tribromophenol	107		30 - 137	07/14/11 07:10	07/16/11 18:04	1
Terphenyl-d14	90		33 - 129	07/14/11 07:10	07/16/11 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.8	ug/Kg	☼	07/13/11 19:23	07/14/11 13:27	1
PCB-1221	<20		20	7.5	ug/Kg	☼	07/13/11 19:23	07/14/11 13:27	1
PCB-1232	<20		20	6.9	ug/Kg	☼	07/13/11 19:23	07/14/11 13:27	1
PCB-1242	<20		20	6.1	ug/Kg	☼	07/13/11 19:23	07/14/11 13:27	1
PCB-1248	<20		20	6.8	ug/Kg	☼	07/13/11 19:23	07/14/11 13:27	1
PCB-1254	<20		20	6.2	ug/Kg	☼	07/13/11 19:23	07/14/11 13:27	1
PCB-1260	10	J	20	6.4	ug/Kg	☼	07/13/11 19:23	07/14/11 13:27	1
Polychlorinated biphenyls, Total	10	J	20	4.8	ug/Kg	☼	07/13/11 19:23	07/14/11 13:27	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		28 - 124	07/13/11 19:23	07/14/11 13:27	1
DCB Decachlorobiphenyl	75		38 - 130	07/13/11 19:23	07/14/11 13:27	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/16/11 23:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/16/11 23:53	1
Barium	0.37	J	0.50	0.010	mg/L		07/16/11 11:55	07/16/11 23:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/16/11 23:53	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/16/11 23:53	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/16/11 23:53	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 11:55	07/16/11 23:53	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/16/11 23:53	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/16/11 23:53	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/16/11 23:53	1
Zinc	0.020	J	0.10	0.020	mg/L		07/16/11 11:55	07/16/11 23:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.2	0.13	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Arsenic	5.2		0.58	0.081	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B06 (0-2)

Lab Sample ID: 500-36486-8

Date Collected: 07/12/11 09:45

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.8

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.69		0.23	0.012	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Cadmium	0.31		0.12	0.016	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Chromium	19		0.58	0.049	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Copper	21		0.58	0.081	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Lead	39		0.29	0.14	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Nickel	20	^	0.58	0.038	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Selenium	<0.58		0.58	0.16	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Silver	<0.29		0.29	0.036	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Thallium	0.21	J	0.58	0.20	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Zinc	58		1.2	0.092	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1
Barium	76		0.58	0.032	mg/Kg	☼	07/13/11 08:40	07/16/11 07:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:20	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:20	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:00	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.054		0.020	0.0020	mg/Kg	☼	07/15/11 07:40	07/15/11 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.15		0.200	0.200	SU			07/20/11 08:25	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B06 (4-6)

Lab Sample ID: 500-36486-9

Date Collected: 07/12/11 09:50

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 79.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.2		5.2	0.86	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Vinyl chloride	<5.2		5.2	0.73	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Bromomethane	<5.2		5.2	1.1	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Chloroethane	<5.2		5.2	1.1	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
1,1-Dichloroethene	<5.2		5.2	0.83	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Carbon disulfide	<5.2		5.2	0.74	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Acetone	<5.2		5.2	2.6	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Methylene Chloride	<5.2		5.2	1.5	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
trans-1,2-Dichloroethene	<5.2		5.2	0.74	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Methyl tert-butyl ether	<5.2		5.2	0.78	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
1,1-Dichloroethane	<5.2 *		5.2	0.83	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
cis-1,2-Dichloroethene	<5.2		5.2	0.76	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Methyl Ethyl Ketone	<5.2		5.2	1.1	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Chloroform	<5.2		5.2	0.96	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
1,1,1-Trichloroethane	<5.2		5.2	1.0	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Carbon tetrachloride	<5.2		5.2	1.1	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Benzene	<5.2		5.2	0.56	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
1,2-Dichloroethane	<5.2		5.2	0.53	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Trichloroethene	<5.2		5.2	0.85	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
1,2-Dichloropropane	<5.2		5.2	1.2	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Bromodichloromethane	<5.2		5.2	0.79	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
cis-1,3-Dichloropropene	<5.2		5.2	0.60	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
methyl isobutyl ketone	<5.2		5.2	0.89	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Toluene	<5.2		5.2	1.0	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
trans-1,3-Dichloropropene	<5.2		5.2	1.2	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
1,1,2-Trichloroethane	<5.2		5.2	0.70	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Tetrachloroethene	<5.2		5.2	0.99	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
2-Hexanone	<5.2		5.2	0.74	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Dibromochloromethane	<5.2		5.2	0.72	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Chlorobenzene	<5.2		5.2	0.83	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Ethylbenzene	<5.2		5.2	0.78	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Styrene	<5.2		5.2	0.66	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Bromoform	<5.2		5.2	0.85	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
1,1,2,2-Tetrachloroethane	<5.2		5.2	0.71	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
Xylenes, Total	<10		10	0.73	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1
1,3-Dichloropropene, Total	<5.2		5.2	0.60	ug/Kg	*	07/12/11 09:50	07/15/11 12:44	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	78		69 - 120	07/12/11 09:50	07/15/11 12:44	1
Toluene-d8 (Surr)	82		69 - 122	07/12/11 09:50	07/15/11 12:44	1
4-Bromofluorobenzene (Surr)	80		67 - 120	07/12/11 09:50	07/15/11 12:44	1
Dibromofluoromethane	80		69 - 120	07/12/11 09:50	07/15/11 12:44	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	92	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2,4,6-Trichlorophenol	<410		410	89	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2,4-Dichlorophenol	<410		410	52	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2,4-Dimethylphenol	<410		410	140	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2,4-Dinitrophenol	<830		830	300	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B06 (4-6)

Lab Sample ID: 500-36486-9

Date Collected: 07/12/11 09:50

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 79.0

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<210		210	43	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2,6-Dinitrotoluene	<210		210	28	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2-Chloronaphthalene	<210		210	17	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2-Chlorophenol	<210		210	21	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2-Methylnaphthalene	<210		210	16	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2-Methylphenol	<210		210	31	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2-Nitroaniline	<210		210	24	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2-Nitrophenol	<410		410	120	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
3,3'-Dichlorobenzidine	<210		210	30	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
3-Nitroaniline	<410		410	72	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
4,6-Dinitro-2-methylphenol	<410		410	78	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
4-Bromophenyl phenyl ether	<210		210	25	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
4-Chloro-3-methylphenol	<410		410	100	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
4-Chloroaniline	<830		830	130	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
4-Chlorophenyl phenyl ether	<210		210	46	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
4-Nitroaniline	<410		410	71	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
4-Nitrophenol	<830		830	330	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Acenaphthene	<41		41	8.6	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Acenaphthylene	<41		41	6.4	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Anthracene	<41		41	7.5	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Benzo[a]anthracene	<41		41	8.9	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Benzo[a]pyrene	<41		41	7.9	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Benzo[b]fluoranthene	<41		41	8.6	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Benzo[g,h,i]perylene	<41		41	10	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Benzo[k]fluoranthene	<41		41	9.7	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Bis(2-chloroethoxy)methane	<210		210	17	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Bis(2-chloroethyl)ether	<210		210	24	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Bis(2-ethylhexyl) phthalate	<210		210	23	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Butyl benzyl phthalate	<210		210	35	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Carbazole	<210		210	23	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Chrysene	<41		41	13	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Dibenz(a,h)anthracene	<41		41	10	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Dibenzofuran	<210		210	47	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Diethyl phthalate	<210		210	45	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Dimethyl phthalate	<210		210	18	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Di-n-butyl phthalate	<210		210	23	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Di-n-octyl phthalate	<210		210	33	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
1,3-Dichlorobenzene	<210		210	23	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Fluoranthene	<41		41	7.7	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Fluorene	<41		41	7.9	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Hexachlorobenzene	<83		83	8.0	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Hexachlorobutadiene	<210		210	32	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Hexachlorocyclopentadiene	<830		830	410	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Hexachloroethane	<210		210	31	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Isophorone	<210		210	92	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Naphthalene	<41		41	7.5	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
Nitrobenzene	<41		41	10	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
1,4-Dichlorobenzene	<210		210	23	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1
2,2'-oxybis[1-chloropropane]	<210		210	45	ug/Kg	*	07/14/11 07:10	07/16/11 18:25	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B06 (4-6)

Lab Sample ID: 500-36486-9

Date Collected: 07/12/11 09:50

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 79.0

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<210		210	29	ug/Kg	☼	07/14/11 07:10	07/16/11 18:25	1
N-Nitrosodiphenylamine	<210		210	23	ug/Kg	☼	07/14/11 07:10	07/16/11 18:25	1
Pentachlorophenol	<830		830	140	ug/Kg	☼	07/14/11 07:10	07/16/11 18:25	1
Phenanthrene	<41		41	8.1	ug/Kg	☼	07/14/11 07:10	07/16/11 18:25	1
Phenol	<210		210	43	ug/Kg	☼	07/14/11 07:10	07/16/11 18:25	1
Pyrene	<41		41	14	ug/Kg	☼	07/14/11 07:10	07/16/11 18:25	1
1,2-Dichlorobenzene	<210		210	22	ug/Kg	☼	07/14/11 07:10	07/16/11 18:25	1
1,2,4-Trichlorobenzene	<210		210	25	ug/Kg	☼	07/14/11 07:10	07/16/11 18:25	1
3 & 4 Methylphenol	<210		210	41	ug/Kg	☼	07/14/11 07:10	07/16/11 18:25	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	56		27 - 113	07/14/11 07:10	07/16/11 18:25	1
2-Fluorophenol	63		30 - 110	07/14/11 07:10	07/16/11 18:25	1
Nitrobenzene-d5	51		22 - 110	07/14/11 07:10	07/16/11 18:25	1
Phenol-d5	62		26 - 112	07/14/11 07:10	07/16/11 18:25	1
2,4,6-Tribromophenol	102		30 - 137	07/14/11 07:10	07/16/11 18:25	1
Terphenyl-d14	98		33 - 129	07/14/11 07:10	07/16/11 18:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.9	ug/Kg	☼	07/13/11 19:23	07/14/11 13:41	1
PCB-1221	<20		20	7.7	ug/Kg	☼	07/13/11 19:23	07/14/11 13:41	1
PCB-1232	<20		20	7.1	ug/Kg	☼	07/13/11 19:23	07/14/11 13:41	1
PCB-1242	<20		20	6.2	ug/Kg	☼	07/13/11 19:23	07/14/11 13:41	1
PCB-1248	<20		20	7.0	ug/Kg	☼	07/13/11 19:23	07/14/11 13:41	1
PCB-1254	<20		20	6.3	ug/Kg	☼	07/13/11 19:23	07/14/11 13:41	1
PCB-1260	<20		20	6.6	ug/Kg	☼	07/13/11 19:23	07/14/11 13:41	1
Polychlorinated biphenyls, Total	<20		20	4.9	ug/Kg	☼	07/13/11 19:23	07/14/11 13:41	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		28 - 124	07/13/11 19:23	07/14/11 13:41	1
DCB Decachlorobiphenyl	85		38 - 130	07/13/11 19:23	07/14/11 13:41	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/16/11 23:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/16/11 23:59	1
Barium	0.19	J	0.50	0.010	mg/L		07/16/11 11:55	07/16/11 23:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/16/11 23:59	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/16/11 23:59	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/16/11 23:59	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 11:55	07/16/11 23:59	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/16/11 23:59	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/16/11 23:59	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/16/11 23:59	1
Zinc	<0.10		0.10	0.020	mg/L		07/16/11 11:55	07/16/11 23:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.32	J	1.2	0.14	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Arsenic	7.2		0.61	0.086	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B06 (4-6)

Lab Sample ID: 500-36486-9

Date Collected: 07/12/11 09:50

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 79.0

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.96		0.25	0.012	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Cadmium	0.13		0.12	0.017	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Chromium	24		0.61	0.052	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Copper	26		0.61	0.086	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Lead	15		0.31	0.15	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Nickel	25	^	0.61	0.040	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Selenium	<0.61		0.61	0.17	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Silver	<0.31		0.31	0.039	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Thallium	0.28	J	0.61	0.21	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Zinc	60		1.2	0.098	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1
Barium	97		0.61	0.034	mg/Kg	☼	07/13/11 08:40	07/16/11 07:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:21	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:21	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:03	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.020	0.0021	mg/Kg	☼	07/15/11 07:40	07/15/11 11:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.87		0.200	0.200	SU			07/20/11 08:27	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B05 (0-2)

Lab Sample ID: 500-36486-10

Date Collected: 07/12/11 10:30

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 86.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.8		4.8	0.79	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Vinyl chloride	<4.8		4.8	0.67	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Bromomethane	<4.8		4.8	1.0	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Chloroethane	<4.8		4.8	1.0	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
1,1-Dichloroethene	<4.8		4.8	0.76	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Carbon disulfide	<4.8		4.8	0.68	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Acetone	<4.8		4.8	2.3	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Methylene Chloride	<4.8		4.8	1.3	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
trans-1,2-Dichloroethene	<4.8		4.8	0.68	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Methyl tert-butyl ether	<4.8		4.8	0.72	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
1,1-Dichloroethane	<4.8		4.8	0.76	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
cis-1,2-Dichloroethene	<4.8		4.8	0.70	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Methyl Ethyl Ketone	<4.8		4.8	1.0	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Chloroform	<4.8		4.8	0.88	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
1,1,1-Trichloroethane	<4.8		4.8	0.92	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Carbon tetrachloride	<4.8		4.8	1.0	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Benzene	<4.8		4.8	0.52	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
1,2-Dichloroethane	<4.8		4.8	0.49	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Trichloroethene	<4.8		4.8	0.78	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
1,2-Dichloropropane	<4.8		4.8	1.1	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Bromodichloromethane	<4.8		4.8	0.73	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
cis-1,3-Dichloropropene	<4.8		4.8	0.55	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
methyl isobutyl ketone	<4.8		4.8	0.82	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Toluene	<4.8		4.8	0.93	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
trans-1,3-Dichloropropene	<4.8		4.8	1.1	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
1,1,2-Trichloroethane	<4.8		4.8	0.64	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Tetrachloroethene	<4.8		4.8	0.91	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
2-Hexanone	<4.8		4.8	0.68	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Dibromochloromethane	<4.8		4.8	0.66	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Chlorobenzene	<4.8		4.8	0.76	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Ethylbenzene	<4.8		4.8	0.72	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Styrene	<4.8		4.8	0.60	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Bromoform	<4.8		4.8	0.78	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
1,1,2,2-Tetrachloroethane	<4.8		4.8	0.65	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
Xylenes, Total	<9.6		9.6	0.67	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1
1,3-Dichloropropene, Total	<4.8		4.8	0.55	ug/Kg	*	07/12/11 10:30	07/15/11 10:31	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		69 - 120	07/12/11 10:30	07/15/11 10:31	1
Toluene-d8 (Surr)	107		69 - 122	07/12/11 10:30	07/15/11 10:31	1
4-Bromofluorobenzene (Surr)	104		67 - 120	07/12/11 10:30	07/15/11 10:31	1
Dibromofluoromethane	108		69 - 120	07/12/11 10:30	07/15/11 10:31	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	84	ug/Kg	*	07/14/11 07:10	07/16/11 18:45	1
2,4,6-Trichlorophenol	<380		380	82	ug/Kg	*	07/14/11 07:10	07/16/11 18:45	1
2,4-Dichlorophenol	<380		380	48	ug/Kg	*	07/14/11 07:10	07/16/11 18:45	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	*	07/14/11 07:10	07/16/11 18:45	1
2,4-Dinitrophenol	<760		760	280	ug/Kg	*	07/14/11 07:10	07/16/11 18:45	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B05 (0-2)

Lab Sample ID: 500-36486-10

Date Collected: 07/12/11 10:30

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 86.1

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	39	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
2,6-Dinitrotoluene	<190		190	25	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
2-Chloronaphthalene	<190		190	15	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
2-Chlorophenol	<190		190	20	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
2-Methylnaphthalene	<190		190	15	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
2-Methylphenol	<190		190	28	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
2-Nitroaniline	<190		190	22	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
2-Nitrophenol	<380		380	110	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
3-Nitroaniline	<380		380	66	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
4,6-Dinitro-2-methylphenol	<380		380	71	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
4-Bromophenyl phenyl ether	<190		190	23	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
4-Chloro-3-methylphenol	<380		380	93	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
4-Chloroaniline	<760		760	120	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
4-Chlorophenyl phenyl ether	<190		190	42	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
4-Nitroaniline	<380		380	65	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
4-Nitrophenol	<760		760	310	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Acenaphthene	<38		38	7.9	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Anthracene	19	J	38	6.9	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Benzo[a]anthracene	120		38	8.1	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Benzo[a]pyrene	130		38	7.3	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Benzo[b]fluoranthene	180		38	7.8	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Benzo[g,h,i]perylene	95		38	9.2	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Benzo[k]fluoranthene	61		38	8.9	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Bis(2-chloroethoxy)methane	<190		190	15	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Bis(2-ethylhexyl) phthalate	410		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Carbazole	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Chrysene	150		38	12	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Dibenz(a,h)anthracene	30	J	38	9.6	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Dibenzofuran	<190		190	43	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Diethyl phthalate	<190		190	41	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Dimethyl phthalate	<190		190	17	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Di-n-octyl phthalate	<190		190	30	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Fluoranthene	220		38	7.1	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Fluorene	<38		38	7.2	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Hexachlorobenzene	<76		76	7.3	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Hexachlorobutadiene	<190		190	29	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Hexachlorocyclopentadiene	<760		760	380	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Hexachloroethane	<190		190	29	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Indeno[1,2,3-cd]pyrene	80		38	9.6	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Isophorone	<190		190	84	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Naphthalene	<38		38	6.9	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Nitrobenzene	<38		38	9.1	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
1,4-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
2,2'-oxybis[1-chloropropane]	<190		190	41	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B05 (0-2)

Lab Sample ID: 500-36486-10

Date Collected: 07/12/11 10:30

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 86.1

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	26	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Pentachlorophenol	<760		760	130	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Phenanthrene	100		38	7.4	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Phenol	<190		190	40	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
Pyrene	250		38	13	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
1,2,4-Trichlorobenzene	<190		190	23	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1
3 & 4 Methylphenol	<190		190	38	ug/Kg	☼	07/14/11 07:10	07/16/11 18:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	64		27 - 113	07/14/11 07:10	07/16/11 18:45	1
2-Fluorophenol	63		30 - 110	07/14/11 07:10	07/16/11 18:45	1
Nitrobenzene-d5	52		22 - 110	07/14/11 07:10	07/16/11 18:45	1
Phenol-d5	65		26 - 112	07/14/11 07:10	07/16/11 18:45	1
2,4,6-Tribromophenol	110		30 - 137	07/14/11 07:10	07/16/11 18:45	1
Terphenyl-d14	96		33 - 129	07/14/11 07:10	07/16/11 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.5	ug/Kg	☼	07/13/11 19:23	07/14/11 13:56	1
PCB-1221	<19		19	7.2	ug/Kg	☼	07/13/11 19:23	07/14/11 13:56	1
PCB-1232	<19		19	6.6	ug/Kg	☼	07/13/11 19:23	07/14/11 13:56	1
PCB-1242	<19		19	5.8	ug/Kg	☼	07/13/11 19:23	07/14/11 13:56	1
PCB-1248	<19		19	6.5	ug/Kg	☼	07/13/11 19:23	07/14/11 13:56	1
PCB-1254	<19		19	5.9	ug/Kg	☼	07/13/11 19:23	07/14/11 13:56	1
PCB-1260	22		19	6.1	ug/Kg	☼	07/13/11 19:23	07/14/11 13:56	1
Polychlorinated biphenyls, Total	22		19	4.5	ug/Kg	☼	07/13/11 19:23	07/14/11 13:56	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		28 - 124	07/13/11 19:23	07/14/11 13:56	1
DCB Decachlorobiphenyl	80		38 - 130	07/13/11 19:23	07/14/11 13:56	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:05	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/17/11 00:05	1
Barium	0.57		0.50	0.010	mg/L		07/16/11 11:55	07/17/11 00:05	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/17/11 00:05	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:05	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:05	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 11:55	07/17/11 00:05	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:05	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:05	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/17/11 00:05	1
Zinc	<0.10		0.10	0.020	mg/L		07/16/11 11:55	07/17/11 00:05	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.14	J	1.1	0.13	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Arsenic	8.8		0.56	0.079	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B05 (0-2)

Lab Sample ID: 500-36486-10

Date Collected: 07/12/11 10:30

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 86.1

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.75		0.23	0.011	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Cadmium	0.42		0.11	0.015	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Chromium	21		0.56	0.048	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Copper	28		0.56	0.079	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Lead	52		0.28	0.14	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Nickel	28 ^		0.56	0.037	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Silver	0.062 J		0.28	0.036	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Thallium	0.27 J		0.56	0.19	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Zinc	70		1.1	0.090	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1
Barium	94		0.56	0.032	mg/Kg	☼	07/13/11 08:40	07/16/11 07:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:22	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:22	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:06	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.061		0.019	0.0019	mg/Kg	☼	07/15/11 07:40	07/15/11 11:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.18		0.200	0.200	SU			07/20/11 08:30	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B05 (6-8)

Lab Sample ID: 500-36486-11

Date Collected: 07/12/11 10:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 80.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.7		4.7	0.76	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Vinyl chloride	<4.7		4.7	0.65	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Bromomethane	<4.7		4.7	1.0	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Chloroethane	<4.7		4.7	0.98	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
1,1-Dichloroethene	<4.7		4.7	0.74	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Carbon disulfide	<4.7		4.7	0.66	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Acetone	9.2		4.7	2.3	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Methylene Chloride	<4.7		4.7	1.3	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
trans-1,2-Dichloroethene	<4.7		4.7	0.66	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Methyl tert-butyl ether	<4.7		4.7	0.70	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
1,1-Dichloroethane	<4.7		4.7	0.74	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
cis-1,2-Dichloroethene	<4.7		4.7	0.68	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Methyl Ethyl Ketone	<4.7		4.7	1.0	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Chloroform	<4.7		4.7	0.86	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
1,1,1-Trichloroethane	<4.7		4.7	0.89	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Carbon tetrachloride	<4.7		4.7	1.0	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Benzene	<4.7		4.7	0.50	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
1,2-Dichloroethane	<4.7		4.7	0.48	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Trichloroethene	<4.7		4.7	0.75	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
1,2-Dichloropropane	<4.7		4.7	1.1	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Bromodichloromethane	<4.7		4.7	0.71	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
cis-1,3-Dichloropropene	<4.7		4.7	0.53	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
methyl isobutyl ketone	<4.7		4.7	0.79	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Toluene	<4.7		4.7	0.90	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
trans-1,3-Dichloropropene	<4.7		4.7	1.1	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
1,1,2-Trichloroethane	<4.7		4.7	0.62	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Tetrachloroethene	<4.7		4.7	0.89	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
2-Hexanone	<4.7		4.7	0.66	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Dibromochloromethane	<4.7		4.7	0.64	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Chlorobenzene	<4.7		4.7	0.74	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Ethylbenzene	<4.7		4.7	0.70	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Styrene	<4.7		4.7	0.59	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Bromoform	<4.7		4.7	0.75	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
1,1,2,2-Tetrachloroethane	<4.7		4.7	0.63	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
Xylenes, Total	<9.3		9.3	0.65	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1
1,3-Dichloropropene, Total	<4.7		4.7	0.53	ug/Kg	*	07/12/11 10:35	07/15/11 10:55	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		69 - 120	07/12/11 10:35	07/15/11 10:55	1
Toluene-d8 (Surr)	107		69 - 122	07/12/11 10:35	07/15/11 10:55	1
4-Bromofluorobenzene (Surr)	106		67 - 120	07/12/11 10:35	07/15/11 10:55	1
Dibromofluoromethane	111		69 - 120	07/12/11 10:35	07/15/11 10:55	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2,4,6-Trichlorophenol	<380		380	83	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2,4-Dichlorophenol	<380		380	49	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2,4-Dinitrophenol	<780		780	280	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B05 (6-8)

Lab Sample ID: 500-36486-11

Date Collected: 07/12/11 10:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 80.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	40	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2,6-Dinitrotoluene	<190		190	26	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2-Chloronaphthalene	<190		190	15	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2-Chlorophenol	<190		190	20	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2-Methylnaphthalene	<190		190	15	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2-Methylphenol	<190		190	29	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2-Nitroaniline	<190		190	23	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2-Nitrophenol	<380		380	110	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
3-Nitroaniline	<380		380	67	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
4,6-Dinitro-2-methylphenol	<380		380	73	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
4-Bromophenyl phenyl ether	<190		190	24	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
4-Chloro-3-methylphenol	<380		380	95	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
4-Chloroaniline	<780		780	120	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
4-Nitroaniline	<380		380	66	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
4-Nitrophenol	<780		780	310	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Acenaphthene	<38		38	8.1	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Acenaphthylene	<38		38	6.0	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Anthracene	<38		38	7.1	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Benzo[a]anthracene	<38		38	8.3	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Benzo[b]fluoranthene	<38		38	8.0	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Benzo[g,h,i]perylene	<38		38	9.4	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Benzo[k]fluoranthene	<38		38	9.1	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Bis(2-chloroethoxy)methane	<190		190	16	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Bis(2-ethylhexyl) phthalate	<190		190	21	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Carbazole	<190		190	21	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Chrysene	<38		38	12	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Dibenz(a,h)anthracene	<38		38	9.8	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Dibenzofuran	<190		190	44	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Diethyl phthalate	<190		190	42	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Dimethyl phthalate	<190		190	17	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Di-n-octyl phthalate	<190		190	31	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Fluoranthene	<38		38	7.2	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Fluorene	<38		38	7.4	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Hexachlorobenzene	<78		78	7.5	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Hexachlorobutadiene	<190		190	30	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Hexachlorocyclopentadiene	<780		780	380	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Hexachloroethane	<190		190	29	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Isophorone	<190		190	86	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Naphthalene	<38		38	7.0	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
Nitrobenzene	<38		38	9.3	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
1,4-Dichlorobenzene	<190		190	22	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1
2,2'-oxybis[1-chloropropane]	<190		190	42	ug/Kg	*	07/14/11 07:10	07/16/11 19:06	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B05 (6-8)

Lab Sample ID: 500-36486-11

Date Collected: 07/12/11 10:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 80.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	27	ug/Kg	☼	07/14/11 07:10	07/16/11 19:06	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:06	1
Pentachlorophenol	<780		780	130	ug/Kg	☼	07/14/11 07:10	07/16/11 19:06	1
Phenanthrene	<38		38	7.6	ug/Kg	☼	07/14/11 07:10	07/16/11 19:06	1
Phenol	<190		190	41	ug/Kg	☼	07/14/11 07:10	07/16/11 19:06	1
Pyrene	<38		38	13	ug/Kg	☼	07/14/11 07:10	07/16/11 19:06	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:06	1
1,2,4-Trichlorobenzene	<190		190	24	ug/Kg	☼	07/14/11 07:10	07/16/11 19:06	1
3 & 4 Methylphenol	<190		190	39	ug/Kg	☼	07/14/11 07:10	07/16/11 19:06	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	57		27 - 113	07/14/11 07:10	07/16/11 19:06	1
2-Fluorophenol	66		30 - 110	07/14/11 07:10	07/16/11 19:06	1
Nitrobenzene-d5	48		22 - 110	07/14/11 07:10	07/16/11 19:06	1
Phenol-d5	62		26 - 112	07/14/11 07:10	07/16/11 19:06	1
2,4,6-Tribromophenol	113		30 - 137	07/14/11 07:10	07/16/11 19:06	1
Terphenyl-d14	88		33 - 129	07/14/11 07:10	07/16/11 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.8	ug/Kg	☼	07/13/11 19:23	07/14/11 14:10	1
PCB-1221	<20		20	7.6	ug/Kg	☼	07/13/11 19:23	07/14/11 14:10	1
PCB-1232	<20		20	7.0	ug/Kg	☼	07/13/11 19:23	07/14/11 14:10	1
PCB-1242	<20		20	6.1	ug/Kg	☼	07/13/11 19:23	07/14/11 14:10	1
PCB-1248	<20		20	6.9	ug/Kg	☼	07/13/11 19:23	07/14/11 14:10	1
PCB-1254	<20		20	6.3	ug/Kg	☼	07/13/11 19:23	07/14/11 14:10	1
PCB-1260	<20		20	6.5	ug/Kg	☼	07/13/11 19:23	07/14/11 14:10	1
Polychlorinated biphenyls, Total	<20		20	4.8	ug/Kg	☼	07/13/11 19:23	07/14/11 14:10	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		28 - 124	07/13/11 19:23	07/14/11 14:10	1
DCB Decachlorobiphenyl	79		38 - 130	07/13/11 19:23	07/14/11 14:10	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/17/11 00:11	1
Barium	0.38	J	0.50	0.010	mg/L		07/16/11 11:55	07/17/11 00:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/17/11 00:11	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:11	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:11	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 11:55	07/17/11 00:11	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:11	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:11	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/17/11 00:11	1
Zinc	0.024	J	0.10	0.020	mg/L		07/16/11 11:55	07/17/11 00:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.19	J	1.1	0.13	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Arsenic	6.5		0.57	0.080	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B05 (6-8)

Lab Sample ID: 500-36486-11

Date Collected: 07/12/11 10:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 80.8

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.61		0.23	0.011	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Cadmium	0.31		0.11	0.015	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Chromium	18		0.57	0.049	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Copper	22		0.57	0.080	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Lead	11		0.29	0.14	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Nickel	27 ^		0.57	0.038	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Selenium	<0.57	L	0.57	0.16	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Silver	<0.29		0.29	0.036	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Thallium	<0.57		0.57	0.19	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Zinc	40		1.1	0.091	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1
Barium	67		0.57	0.032	mg/Kg	☼	07/13/11 08:40	07/16/11 07:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:23	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:23	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:09	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.018	0.0019	mg/Kg	☼	07/15/11 07:40	07/15/11 11:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.00		0.200	0.200	SU			07/20/11 08:32	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B04 (8-10)

Lab Sample ID: 500-36486-12

Date Collected: 07/12/11 11:15

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.6		4.6	0.76	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Vinyl chloride	<4.6		4.6	0.64	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Bromomethane	<4.6		4.6	0.99	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Chloroethane	<4.6		4.6	0.97	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
1,1-Dichloroethene	<4.6		4.6	0.73	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Carbon disulfide	<4.6		4.6	0.65	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Acetone	<4.6		4.6	2.3	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Methylene Chloride	<4.6		4.6	1.3	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
trans-1,2-Dichloroethene	<4.6		4.6	0.65	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Methyl tert-butyl ether	<4.6		4.6	0.69	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
1,1-Dichloroethane	<4.6		4.6	0.73	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
cis-1,2-Dichloroethene	<4.6		4.6	0.67	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Methyl Ethyl Ketone	<4.6		4.6	0.99	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Chloroform	<4.6		4.6	0.85	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
1,1,1-Trichloroethane	<4.6		4.6	0.88	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Carbon tetrachloride	<4.6		4.6	1.0	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Benzene	<4.6		4.6	0.50	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
1,2-Dichloroethane	<4.6		4.6	0.47	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Trichloroethene	<4.6		4.6	0.75	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
1,2-Dichloropropane	<4.6		4.6	1.0	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Bromodichloromethane	<4.6		4.6	0.70	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
cis-1,3-Dichloropropene	<4.6		4.6	0.52	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
methyl isobutyl ketone	<4.6		4.6	0.78	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Toluene	<4.6		4.6	0.89	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
trans-1,3-Dichloropropene	<4.6		4.6	1.0	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
1,1,2-Trichloroethane	<4.6		4.6	0.62	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Tetrachloroethene	<4.6		4.6	0.87	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
2-Hexanone	<4.6		4.6	0.65	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Dibromochloromethane	<4.6		4.6	0.64	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Chlorobenzene	<4.6		4.6	0.73	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Ethylbenzene	<4.6		4.6	0.69	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Styrene	<4.6		4.6	0.58	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Bromoform	<4.6		4.6	0.75	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
1,1,2,2-Tetrachloroethane	<4.6		4.6	0.63	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
Xylenes, Total	<9.2		9.2	0.64	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1
1,3-Dichloropropene, Total	<4.6		4.6	0.52	ug/Kg	*	07/12/11 11:15	07/15/11 11:20	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		69 - 120	07/12/11 11:15	07/15/11 11:20	1
Toluene-d8 (Surr)	105		69 - 122	07/12/11 11:15	07/15/11 11:20	1
4-Bromofluorobenzene (Surr)	99		67 - 120	07/12/11 11:15	07/15/11 11:20	1
Dibromofluoromethane	108		69 - 120	07/12/11 11:15	07/15/11 11:20	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	85	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2,4,6-Trichlorophenol	<380		380	82	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2,4-Dichlorophenol	<380		380	48	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2,4-Dinitrophenol	<770		770	280	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B04 (8-10)

Lab Sample ID: 500-36486-12

Date Collected: 07/12/11 11:15

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.9

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	39	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2,6-Dinitrotoluene	<190		190	25	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2-Chloronaphthalene	<190		190	15	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2-Chlorophenol	<190		190	20	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2-Methylnaphthalene	<190		190	15	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2-Methylphenol	<190		190	28	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2-Nitroaniline	<190		190	22	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2-Nitrophenol	<380		380	110	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
3-Nitroaniline	<380		380	66	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
4,6-Dinitro-2-methylphenol	<380		380	72	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
4-Bromophenyl phenyl ether	<190		190	23	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
4-Chloro-3-methylphenol	<380		380	93	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
4-Chloroaniline	<770		770	120	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
4-Chlorophenyl phenyl ether	<190		190	42	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
4-Nitroaniline	<380		380	65	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
4-Nitrophenol	<770		770	310	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Acenaphthene	<38		38	8.0	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Acenaphthylene	<38		38	5.9	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Anthracene	<38		38	7.0	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Benzo[a]anthracene	<38		38	8.2	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Benzo[b]fluoranthene	<38		38	7.9	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Benzo[g,h,i]perylene	30	J	38	9.3	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Benzo[k]fluoranthene	<38		38	8.9	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Bis(2-chloroethoxy)methane	<190		190	15	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Bis(2-ethylhexyl) phthalate	<190		190	21	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Carbazole	<190		190	21	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Chrysene	<38		38	12	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Dibenz(a,h)anthracene	<38		38	9.6	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Dibenzofuran	<190		190	43	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Diethyl phthalate	<190		190	42	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Dimethyl phthalate	<190		190	17	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Di-n-octyl phthalate	<190		190	31	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Fluoranthene	8.8	J	38	7.1	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Fluorene	<38		38	7.3	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Hexachlorobenzene	<77		77	7.3	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Hexachlorobutadiene	<190		190	29	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Hexachlorocyclopentadiene	<770		770	380	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Hexachloroethane	<190		190	29	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Indeno[1,2,3-cd]pyrene	<38		38	9.7	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Isophorone	<190		190	85	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Naphthalene	<38		38	6.9	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
Nitrobenzene	<38		38	9.2	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
1,4-Dichlorobenzene	<190		190	21	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1
2,2'-oxybis[1-chloropropane]	<190		190	41	ug/Kg	*	07/14/11 07:10	07/16/11 19:26	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B04 (8-10)

Lab Sample ID: 500-36486-12

Date Collected: 07/12/11 11:15

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.9

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	26	ug/Kg	☼	07/14/11 07:10	07/16/11 19:26	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:26	1
Pentachlorophenol	<770		770	130	ug/Kg	☼	07/14/11 07:10	07/16/11 19:26	1
Phenanthrene	24	J	38	7.5	ug/Kg	☼	07/14/11 07:10	07/16/11 19:26	1
Phenol	<190		190	40	ug/Kg	☼	07/14/11 07:10	07/16/11 19:26	1
Pyrene	19	J	38	13	ug/Kg	☼	07/14/11 07:10	07/16/11 19:26	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:26	1
1,2,4-Trichlorobenzene	<190		190	23	ug/Kg	☼	07/14/11 07:10	07/16/11 19:26	1
3 & 4 Methylphenol	<190		190	38	ug/Kg	☼	07/14/11 07:10	07/16/11 19:26	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		27 - 113	07/14/11 07:10	07/16/11 19:26	1
2-Fluorophenol	72		30 - 110	07/14/11 07:10	07/16/11 19:26	1
Nitrobenzene-d5	66		22 - 110	07/14/11 07:10	07/16/11 19:26	1
Phenol-d5	75		26 - 112	07/14/11 07:10	07/16/11 19:26	1
2,4,6-Tribromophenol	110		30 - 137	07/14/11 07:10	07/16/11 19:26	1
Terphenyl-d14	92		33 - 129	07/14/11 07:10	07/16/11 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	07/15/11 19:34	07/18/11 14:37	1
PCB-1221	<19		19	7.2	ug/Kg	☼	07/15/11 19:34	07/18/11 14:37	1
PCB-1232	<19		19	6.6	ug/Kg	☼	07/15/11 19:34	07/18/11 14:37	1
PCB-1242	<19		19	5.8	ug/Kg	☼	07/15/11 19:34	07/18/11 14:37	1
PCB-1248	<19		19	6.5	ug/Kg	☼	07/15/11 19:34	07/18/11 14:37	1
PCB-1254	<19		19	6.0	ug/Kg	☼	07/15/11 19:34	07/18/11 14:37	1
PCB-1260	<19		19	6.2	ug/Kg	☼	07/15/11 19:34	07/18/11 14:37	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	☼	07/15/11 19:34	07/18/11 14:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		28 - 124	07/15/11 19:34	07/18/11 14:37	1
DCB Decachlorobiphenyl	70		38 - 130	07/15/11 19:34	07/18/11 14:37	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/17/11 00:18	1
Barium	0.54		0.50	0.010	mg/L		07/16/11 11:55	07/17/11 00:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/17/11 00:18	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:18	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:18	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 11:55	07/17/11 00:18	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:18	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:18	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/17/11 00:18	1
Zinc	0.021	J	0.10	0.020	mg/L		07/16/11 11:55	07/17/11 00:18	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.22	J	1.2	0.14	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Arsenic	7.2		0.59	0.083	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B04 (8-10)

Lab Sample ID: 500-36486-12

Date Collected: 07/12/11 11:15

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.9

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.65		0.24	0.012	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Cadmium	0.22		0.12	0.016	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Chromium	20		0.59	0.050	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Copper	24		0.59	0.083	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Lead	11		0.29	0.14	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Nickel	26	^	0.59	0.039	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Selenium	<0.59	L	0.59	0.17	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Thallium	<0.59		0.59	0.20	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Zinc	43		1.2	0.094	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1
Barium	52		0.59	0.033	mg/Kg	☼	07/13/11 08:40	07/16/11 07:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:24	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:24	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:12	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.017	0.0018	mg/Kg	☼	07/15/11 07:40	07/15/11 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.08		0.200	0.200	SU			07/20/11 08:35	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B04 (16-18)

Lab Sample ID: 500-36486-13

Date Collected: 07/12/11 11:25

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.7		4.7	0.77	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Vinyl chloride	<4.7		4.7	0.66	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Bromomethane	<4.7		4.7	1.0	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Chloroethane	<4.7		4.7	0.99	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
1,1-Dichloroethene	<4.7		4.7	0.75	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Carbon disulfide	<4.7		4.7	0.67	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Acetone	7.1		4.7	2.3	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Methylene Chloride	<4.7		4.7	1.3	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
trans-1,2-Dichloroethene	<4.7		4.7	0.67	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Methyl tert-butyl ether	<4.7		4.7	0.71	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
1,1-Dichloroethane	<4.7		4.7	0.75	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
cis-1,2-Dichloroethene	<4.7		4.7	0.69	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Methyl Ethyl Ketone	<4.7		4.7	1.0	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Chloroform	<4.7		4.7	0.87	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
1,1,1-Trichloroethane	<4.7		4.7	0.91	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Carbon tetrachloride	<4.7		4.7	1.0	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Benzene	<4.7		4.7	0.51	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
1,2-Dichloroethane	<4.7		4.7	0.48	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Trichloroethene	<4.7		4.7	0.76	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
1,2-Dichloropropane	<4.7		4.7	1.1	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Bromodichloromethane	<4.7		4.7	0.72	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
cis-1,3-Dichloropropene	<4.7		4.7	0.54	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
methyl isobutyl ketone	<4.7		4.7	0.80	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Toluene	<4.7		4.7	0.92	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
trans-1,3-Dichloropropene	<4.7		4.7	1.1	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
1,1,2-Trichloroethane	<4.7		4.7	0.63	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Tetrachloroethene	<4.7		4.7	0.90	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
2-Hexanone	<4.7		4.7	0.67	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Dibromochloromethane	<4.7		4.7	0.65	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Chlorobenzene	<4.7		4.7	0.75	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Ethylbenzene	<4.7		4.7	0.71	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Styrene	<4.7		4.7	0.59	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Bromoform	<4.7		4.7	0.76	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
1,1,2,2-Tetrachloroethane	<4.7		4.7	0.64	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
Xylenes, Total	<9.4		9.4	0.66	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1
1,3-Dichloropropene, Total	<4.7		4.7	0.54	ug/Kg	*	07/12/11 11:25	07/15/11 11:44	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		69 - 120	07/12/11 11:25	07/15/11 11:44	1
Toluene-d8 (Surr)	103		69 - 122	07/12/11 11:25	07/15/11 11:44	1
4-Bromofluorobenzene (Surr)	105		67 - 120	07/12/11 11:25	07/15/11 11:44	1
Dibromofluoromethane	106		69 - 120	07/12/11 11:25	07/15/11 11:44	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	*	07/14/11 07:10	07/16/11 19:47	1
2,4,6-Trichlorophenol	<380		380	83	ug/Kg	*	07/14/11 07:10	07/16/11 19:47	1
2,4-Dichlorophenol	<380		380	49	ug/Kg	*	07/14/11 07:10	07/16/11 19:47	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	*	07/14/11 07:10	07/16/11 19:47	1
2,4-Dinitrophenol	<780		780	280	ug/Kg	*	07/14/11 07:10	07/16/11 19:47	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B04 (16-18)

Lab Sample ID: 500-36486-13

Date Collected: 07/12/11 11:25

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.2

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	40	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
2,6-Dinitrotoluene	<190		190	26	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
2-Chloronaphthalene	<190		190	16	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
2-Chlorophenol	<190		190	20	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
2-Methylnaphthalene	37	J	190	15	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
2-Methylphenol	<190		190	29	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
2-Nitroaniline	<190		190	23	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
2-Nitrophenol	<380		380	110	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
3-Nitroaniline	<380		380	67	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
4,6-Dinitro-2-methylphenol	<380		380	73	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
4-Bromophenyl phenyl ether	<190		190	24	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
4-Chloro-3-methylphenol	<380		380	95	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
4-Chloroaniline	<780		780	120	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
4-Nitroaniline	<380		380	66	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
4-Nitrophenol	<780		780	310	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Acenaphthene	<38		38	8.1	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Acenaphthylene	<38		38	6.0	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Anthracene	<38		38	7.1	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Benzo[a]anthracene	<38		38	8.3	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Benzo[b]fluoranthene	<38		38	8.0	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Benzo[g,h,i]perylene	26	J	38	9.4	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Benzo[k]fluoranthene	<38		38	9.1	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Bis(2-chloroethoxy)methane	<190		190	16	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Bis(2-ethylhexyl) phthalate	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Carbazole	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Chrysene	<38		38	12	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Dibenz(a,h)anthracene	<38		38	9.8	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Dibenzofuran	<190		190	44	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Diethyl phthalate	<190		190	42	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Dimethyl phthalate	<190		190	17	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Di-n-octyl phthalate	<190		190	31	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Fluorene	<38		38	7.4	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Hexachlorobenzene	<78		78	7.5	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Hexachlorobutadiene	<190		190	30	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Hexachlorocyclopentadiene	<780		780	380	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Hexachloroethane	<190		190	29	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Isophorone	<190		190	86	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Naphthalene	8.9	J	38	7.0	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Nitrobenzene	<38		38	9.3	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
1,4-Dichlorobenzene	<190		190	22	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
2,2'-oxybis[1-chloropropane]	<190		190	42	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B04 (16-18)

Lab Sample ID: 500-36486-13

Date Collected: 07/12/11 11:25

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.2

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	27	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Pentachlorophenol	<780		780	130	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Phenanthrene	48		38	7.6	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Phenol	<190		190	41	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
Pyrene	15 J		38	13	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
1,2,4-Trichlorobenzene	<190		190	24	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1
3 & 4 Methylphenol	<190		190	39	ug/Kg	☼	07/14/11 07:10	07/16/11 19:47	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	54		27 - 113	07/14/11 07:10	07/16/11 19:47	1
2-Fluorophenol	57		30 - 110	07/14/11 07:10	07/16/11 19:47	1
Nitrobenzene-d5	47		22 - 110	07/14/11 07:10	07/16/11 19:47	1
Phenol-d5	58		26 - 112	07/14/11 07:10	07/16/11 19:47	1
2,4,6-Tribromophenol	101		30 - 137	07/14/11 07:10	07/16/11 19:47	1
Terphenyl-d14	93		33 - 129	07/14/11 07:10	07/16/11 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	07/15/11 19:34	07/18/11 14:51	1
PCB-1221	<19		19	7.3	ug/Kg	☼	07/15/11 19:34	07/18/11 14:51	1
PCB-1232	<19		19	6.7	ug/Kg	☼	07/15/11 19:34	07/18/11 14:51	1
PCB-1242	<19		19	5.9	ug/Kg	☼	07/15/11 19:34	07/18/11 14:51	1
PCB-1248	<19		19	6.6	ug/Kg	☼	07/15/11 19:34	07/18/11 14:51	1
PCB-1254	<19		19	6.0	ug/Kg	☼	07/15/11 19:34	07/18/11 14:51	1
PCB-1260	<19		19	6.3	ug/Kg	☼	07/15/11 19:34	07/18/11 14:51	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	☼	07/15/11 19:34	07/18/11 14:51	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		28 - 124	07/15/11 19:34	07/18/11 14:51	1
DCB Decachlorobiphenyl	69		38 - 130	07/15/11 19:34	07/18/11 14:51	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/17/11 00:24	1
Barium	0.80		0.50	0.010	mg/L		07/16/11 11:55	07/17/11 00:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/17/11 00:24	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:24	1
Copper	0.011 J		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:24	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 11:55	07/17/11 00:24	1
Nickel	0.046		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:24	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:24	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/17/11 00:24	1
Zinc	0.027 J		0.10	0.020	mg/L		07/16/11 11:55	07/17/11 00:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.22 J		1.1	0.13	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Arsenic	6.6		0.55	0.078	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B04 (16-18)

Lab Sample ID: 500-36486-13

Date Collected: 07/12/11 11:25

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.2

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.63		0.22	0.011	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Cadmium	0.21		0.11	0.015	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Chromium	19		0.55	0.047	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Copper	27		0.55	0.078	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Lead	13		0.28	0.13	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Nickel	30	^	0.55	0.037	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Selenium	<0.55	L	0.55	0.16	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Thallium	0.19	J	0.55	0.19	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Zinc	42		1.1	0.089	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1
Barium	46		0.55	0.031	mg/Kg	☼	07/13/11 08:40	07/16/11 08:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:24	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:24	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:20	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.019	0.0020	mg/Kg	☼	07/15/11 07:40	07/15/11 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.94		0.200	0.200	SU			07/20/11 08:37	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B03 (2-4)

Lab Sample ID: 500-36486-14

Date Collected: 07/12/11 12:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.2		5.2	0.85	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Vinyl chloride	<5.2		5.2	0.73	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Bromomethane	<5.2		5.2	1.1	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Chloroethane	<5.2		5.2	1.1	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
1,1-Dichloroethene	<5.2		5.2	0.82	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Carbon disulfide	<5.2		5.2	0.74	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Acetone	<5.2		5.2	2.6	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Methylene Chloride	<5.2		5.2	1.5	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
trans-1,2-Dichloroethene	<5.2		5.2	0.74	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Methyl tert-butyl ether	<5.2		5.2	0.78	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
1,1-Dichloroethane	<5.2		5.2	0.82	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
cis-1,2-Dichloroethene	<5.2		5.2	0.76	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Methyl Ethyl Ketone	<5.2		5.2	1.1	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Chloroform	<5.2		5.2	0.96	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
1,1,1-Trichloroethane	<5.2		5.2	1.0	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Carbon tetrachloride	<5.2		5.2	1.1	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Benzene	<5.2		5.2	0.56	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
1,2-Dichloroethane	<5.2		5.2	0.53	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Trichloroethene	<5.2		5.2	0.84	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
1,2-Dichloropropane	<5.2		5.2	1.2	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Bromodichloromethane	<5.2		5.2	0.79	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
cis-1,3-Dichloropropene	<5.2		5.2	0.59	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
methyl isobutyl ketone	<5.2		5.2	0.89	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Toluene	<5.2		5.2	1.0	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
trans-1,3-Dichloropropene	<5.2		5.2	1.2	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
1,1,2-Trichloroethane	<5.2		5.2	0.70	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Tetrachloroethene	<5.2		5.2	0.99	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
2-Hexanone	<5.2		5.2	0.74	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Dibromochloromethane	<5.2		5.2	0.72	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Chlorobenzene	<5.2		5.2	0.82	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Ethylbenzene	<5.2		5.2	0.78	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Styrene	<5.2		5.2	0.66	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Bromoform	<5.2		5.2	0.84	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
1,1,2,2-Tetrachloroethane	<5.2		5.2	0.71	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
Xylenes, Total	<10		10	0.73	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1
1,3-Dichloropropene, Total	<5.2		5.2	0.59	ug/Kg	*	07/12/11 12:35	07/15/11 12:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		69 - 120	07/12/11 12:35	07/15/11 12:09	1
Toluene-d8 (Surr)	106		69 - 122	07/12/11 12:35	07/15/11 12:09	1
4-Bromofluorobenzene (Surr)	101		67 - 120	07/12/11 12:35	07/15/11 12:09	1
Dibromofluoromethane	109		69 - 120	07/12/11 12:35	07/15/11 12:09	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	88	ug/Kg	*	07/14/11 07:10	07/16/11 20:08	1
2,4,6-Trichlorophenol	<390		390	85	ug/Kg	*	07/14/11 07:10	07/16/11 20:08	1
2,4-Dichlorophenol	<390		390	50	ug/Kg	*	07/14/11 07:10	07/16/11 20:08	1
2,4-Dimethylphenol	<390		390	130	ug/Kg	*	07/14/11 07:10	07/16/11 20:08	1
2,4-Dinitrophenol	<790		790	290	ug/Kg	*	07/14/11 07:10	07/16/11 20:08	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B03 (2-4)

Lab Sample ID: 500-36486-14

Date Collected: 07/12/11 12:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<200		200	41	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
2,6-Dinitrotoluene	<200		200	26	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
2-Chloronaphthalene	<200		200	16	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
2-Chlorophenol	<200		200	20	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
2-Methylnaphthalene	<200		200	15	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
2-Methylphenol	<200		200	29	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
2-Nitroaniline	<200		200	23	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
2-Nitrophenol	<390		390	120	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
3,3'-Dichlorobenzidine	<200		200	29	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
3-Nitroaniline	<390		390	68	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
4,6-Dinitro-2-methylphenol	<390		390	74	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
4-Bromophenyl phenyl ether	<200		200	24	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
4-Chloro-3-methylphenol	<390		390	96	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
4-Chloroaniline	<790		790	120	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
4-Chlorophenyl phenyl ether	<200		200	43	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
4-Nitroaniline	<390		390	68	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
4-Nitrophenol	<790		790	320	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Acenaphthene	13	J	39	8.2	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Acenaphthylene	<39		39	6.1	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Anthracene	37	J	39	7.2	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Benzo[a]anthracene	250		39	8.4	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Benzo[a]pyrene	190		39	7.6	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Benzo[b]fluoranthene	280		39	8.2	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Benzo[g,h,i]perylene	110		39	9.6	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Benzo[k]fluoranthene	120		39	9.2	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Bis(2-chloroethoxy)methane	<200		200	16	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Bis(2-chloroethyl)ether	<200		200	23	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Bis(2-ethylhexyl) phthalate	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Butyl benzyl phthalate	<200		200	33	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Carbazole	30	J	200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Chrysene	250		39	13	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Dibenz(a,h)anthracene	60		39	10	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Dibenzofuran	<200		200	45	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Diethyl phthalate	<200		200	43	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Dimethyl phthalate	<200		200	17	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Di-n-butyl phthalate	<200		200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Di-n-octyl phthalate	<200		200	32	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
1,3-Dichlorobenzene	<200		200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Fluoranthene	530		39	7.3	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Fluorene	20	J	39	7.5	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Hexachlorobenzene	<79		79	7.6	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Hexachlorobutadiene	<200		200	30	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Hexachlorocyclopentadiene	<790		790	390	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Hexachloroethane	<200		200	30	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Indeno[1,2,3-cd]pyrene	110		39	10	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Isophorone	<200		200	88	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Naphthalene	<39		39	7.1	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Nitrobenzene	<39		39	9.5	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
1,4-Dichlorobenzene	<200		200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
2,2'-oxybis[1-chloropropane]	<200		200	42	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B03 (2-4)

Lab Sample ID: 500-36486-14

Date Collected: 07/12/11 12:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<200		200	27	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
N-Nitrosodiphenylamine	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Pentachlorophenol	<790		790	130	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Phenanthrene	250		39	7.7	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Phenol	<200		200	41	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
Pyrene	450		39	14	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
1,2-Dichlorobenzene	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
1,2,4-Trichlorobenzene	<200		200	24	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1
3 & 4 Methylphenol	<200		200	39	ug/Kg	☼	07/14/11 07:10	07/16/11 20:08	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	56		27 - 113	07/14/11 07:10	07/16/11 20:08	1
2-Fluorophenol	61		30 - 110	07/14/11 07:10	07/16/11 20:08	1
Nitrobenzene-d5	48		22 - 110	07/14/11 07:10	07/16/11 20:08	1
Phenol-d5	65		26 - 112	07/14/11 07:10	07/16/11 20:08	1
2,4,6-Tribromophenol	108		30 - 137	07/14/11 07:10	07/16/11 20:08	1
Terphenyl-d14	91		33 - 129	07/14/11 07:10	07/16/11 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.7	ug/Kg	☼	07/15/11 19:34	07/18/11 15:05	1
PCB-1221	<20		20	7.4	ug/Kg	☼	07/15/11 19:34	07/18/11 15:05	1
PCB-1232	<20		20	6.8	ug/Kg	☼	07/15/11 19:34	07/18/11 15:05	1
PCB-1242	<20		20	6.0	ug/Kg	☼	07/15/11 19:34	07/18/11 15:05	1
PCB-1248	<20		20	6.7	ug/Kg	☼	07/15/11 19:34	07/18/11 15:05	1
PCB-1254	<20		20	6.1	ug/Kg	☼	07/15/11 19:34	07/18/11 15:05	1
PCB-1260	<20		20	6.3	ug/Kg	☼	07/15/11 19:34	07/18/11 15:05	1
Polychlorinated biphenyls, Total	<20		20	4.7	ug/Kg	☼	07/15/11 19:34	07/18/11 15:05	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		28 - 124	07/15/11 19:34	07/18/11 15:05	1
DCB Decachlorobiphenyl	73		38 - 130	07/15/11 19:34	07/18/11 15:05	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/17/11 00:30	1
Barium	0.55		0.50	0.010	mg/L		07/16/11 11:55	07/17/11 00:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/17/11 00:30	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:30	1
Copper	0.019 J		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:30	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 11:55	07/17/11 00:30	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:30	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:30	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/17/11 00:30	1
Zinc	0.043 J		0.10	0.020	mg/L		07/16/11 11:55	07/17/11 00:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29 J		1.2	0.14	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Arsenic	11		0.60	0.084	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B03 (2-4)

Lab Sample ID: 500-36486-14

Date Collected: 07/12/11 12:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.5

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.72		0.24	0.012	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Cadmium	0.35		0.12	0.016	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Chromium	17		0.60	0.051	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Copper	22		0.60	0.084	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Lead	33		0.30	0.14	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Nickel	23 ^		0.60	0.039	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Selenium	<0.60		0.60	0.17	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Thallium	<0.60		0.60	0.20	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Zinc	63		1.2	0.096	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1
Barium	110		0.60	0.033	mg/Kg	☼	07/13/11 08:40	07/16/11 08:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:27	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:27	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:22	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.017	0.0018	mg/Kg	☼	07/15/11 07:40	07/15/11 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.78		0.200	0.200	SU			07/20/11 08:40	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B03 (8-10)

Lab Sample ID: 500-36486-15

Date Collected: 07/12/11 12:40

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 64.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<6.8		6.8	1.1	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Vinyl chloride	<6.8		6.8	0.95	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Bromomethane	<6.8		6.8	1.5	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Chloroethane	<6.8		6.8	1.4	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
1,1-Dichloroethene	<6.8		6.8	1.1	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Carbon disulfide	<6.8		6.8	0.96	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Acetone	15		6.8	3.3	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Methylene Chloride	<6.8		6.8	1.9	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
trans-1,2-Dichloroethene	<6.8		6.8	0.96	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Methyl tert-butyl ether	<6.8		6.8	1.0	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
1,1-Dichloroethane	<6.8		6.8	1.1	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
cis-1,2-Dichloroethene	<6.8		6.8	0.99	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Methyl Ethyl Ketone	<6.8		6.8	1.5	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Chloroform	<6.8		6.8	1.2	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
1,1,1-Trichloroethane	<6.8		6.8	1.3	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Carbon tetrachloride	<6.8		6.8	1.5	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Benzene	<6.8		6.8	0.73	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
1,2-Dichloroethane	<6.8		6.8	0.69	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Trichloroethene	<6.8		6.8	1.1	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
1,2-Dichloropropane	<6.8		6.8	1.5	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Bromodichloromethane	<6.8		6.8	1.0	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
cis-1,3-Dichloropropene	<6.8		6.8	0.77	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
methyl isobutyl ketone	<6.8		6.8	1.2	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Toluene	<6.8		6.8	1.3	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
trans-1,3-Dichloropropene	<6.8		6.8	1.5	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
1,1,2-Trichloroethane	<6.8		6.8	0.91	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Tetrachloroethene	<6.8		6.8	1.3	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
2-Hexanone	<6.8		6.8	0.96	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Dibromochloromethane	<6.8		6.8	0.94	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Chlorobenzene	<6.8		6.8	1.1	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Ethylbenzene	<6.8		6.8	1.0	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Styrene	<6.8		6.8	0.86	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Bromoform	<6.8		6.8	1.1	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
1,1,2,2-Tetrachloroethane	<6.8		6.8	0.92	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
Xylenes, Total	<14		14	0.95	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1
1,3-Dichloropropene, Total	<6.8		6.8	0.77	ug/Kg	*	07/12/11 12:40	07/15/11 12:33	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		69 - 120	07/12/11 12:40	07/15/11 12:33	1
Toluene-d8 (Surr)	106		69 - 122	07/12/11 12:40	07/15/11 12:33	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/12/11 12:40	07/15/11 12:33	1
Dibromofluoromethane	109		69 - 120	07/12/11 12:40	07/15/11 12:33	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<500		500	110	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2,4,6-Trichlorophenol	<500		500	110	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2,4-Dichlorophenol	<500		500	63	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2,4-Dimethylphenol	<500		500	170	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2,4-Dinitrophenol	<1000		1000	370	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B03 (8-10)

Lab Sample ID: 500-36486-15

Date Collected: 07/12/11 12:40

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 64.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<250		250	51	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2,6-Dinitrotoluene	<250		250	33	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2-Chloronaphthalene	<250		250	20	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2-Chlorophenol	<250		250	26	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2-Methylnaphthalene	<250		250	19	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2-Methylphenol	<250		250	37	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2-Nitroaniline	<250		250	29	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2-Nitrophenol	<500		500	150	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
3,3'-Dichlorobenzidine	<250		250	37	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
3-Nitroaniline	<500		500	87	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
4,6-Dinitro-2-methylphenol	<500		500	94	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
4-Bromophenyl phenyl ether	<250		250	31	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
4-Chloro-3-methylphenol	<500		500	120	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
4-Chloroaniline	<1000		1000	160	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
4-Chlorophenyl phenyl ether	<250		250	55	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
4-Nitroaniline	<500		500	86	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
4-Nitrophenol	<1000		1000	400	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Acenaphthene	<50		50	10	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Acenaphthylene	<50		50	7.8	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Anthracene	<50		50	9.1	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Benzo[a]anthracene	<50		50	11	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Benzo[a]pyrene	<50		50	9.6	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Benzo[b]fluoranthene	<50		50	10	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Benzo[g,h,i]perylene	<50		50	12	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Benzo[k]fluoranthene	<50		50	12	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Bis(2-chloroethoxy)methane	<250		250	20	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Bis(2-chloroethyl)ether	<250		250	29	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Bis(2-ethylhexyl) phthalate	<250		250	27	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Butyl benzyl phthalate	<250		250	42	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Carbazole	<250		250	28	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Chrysene	<50		50	16	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Dibenz(a,h)anthracene	<50		50	13	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Dibenzofuran	<250		250	57	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Diethyl phthalate	<250		250	55	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Dimethyl phthalate	<250		250	22	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Di-n-butyl phthalate	<250		250	28	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Di-n-octyl phthalate	<250		250	40	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
1,3-Dichlorobenzene	<250		250	27	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Fluoranthene	<50		50	9.3	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Fluorene	<50		50	9.5	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Hexachlorobenzene	<100		100	9.7	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Hexachlorobutadiene	<250		250	39	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Hexachlorocyclopentadiene	<1000		1000	500	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Hexachloroethane	<250		250	38	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Indeno[1,2,3-cd]pyrene	<50		50	13	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Isophorone	<250		250	110	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Naphthalene	<50		50	9.1	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
Nitrobenzene	<50		50	12	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
1,4-Dichlorobenzene	<250		250	28	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1
2,2'-oxybis[1-chloropropane]	<250		250	54	ug/Kg	*	07/14/11 07:10	07/16/11 20:28	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B03 (8-10)

Lab Sample ID: 500-36486-15

Date Collected: 07/12/11 12:40

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 64.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<250		250	35	ug/Kg	☼	07/14/11 07:10	07/16/11 20:28	1
N-Nitrosodiphenylamine	<250		250	27	ug/Kg	☼	07/14/11 07:10	07/16/11 20:28	1
Pentachlorophenol	<1000		1000	170	ug/Kg	☼	07/14/11 07:10	07/16/11 20:28	1
Phenanthrene	<50		50	9.8	ug/Kg	☼	07/14/11 07:10	07/16/11 20:28	1
Phenol	<250		250	52	ug/Kg	☼	07/14/11 07:10	07/16/11 20:28	1
Pyrene	<50		50	17	ug/Kg	☼	07/14/11 07:10	07/16/11 20:28	1
1,2-Dichlorobenzene	<250		250	27	ug/Kg	☼	07/14/11 07:10	07/16/11 20:28	1
1,2,4-Trichlorobenzene	<250		250	31	ug/Kg	☼	07/14/11 07:10	07/16/11 20:28	1
3 & 4 Methylphenol	<250		250	50	ug/Kg	☼	07/14/11 07:10	07/16/11 20:28	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	51		27 - 113	07/14/11 07:10	07/16/11 20:28	1
2-Fluorophenol	61		30 - 110	07/14/11 07:10	07/16/11 20:28	1
Nitrobenzene-d5	46		22 - 110	07/14/11 07:10	07/16/11 20:28	1
Phenol-d5	57		26 - 112	07/14/11 07:10	07/16/11 20:28	1
2,4,6-Tribromophenol	96		30 - 137	07/14/11 07:10	07/16/11 20:28	1
Terphenyl-d14	74		33 - 129	07/14/11 07:10	07/16/11 20:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<25		25	6.0	ug/Kg	☼	07/15/11 19:34	07/18/11 15:20	1
PCB-1221	<25		25	9.5	ug/Kg	☼	07/15/11 19:34	07/18/11 15:20	1
PCB-1232	<25		25	8.7	ug/Kg	☼	07/15/11 19:34	07/18/11 15:20	1
PCB-1242	<25		25	7.7	ug/Kg	☼	07/15/11 19:34	07/18/11 15:20	1
PCB-1248	<25		25	8.6	ug/Kg	☼	07/15/11 19:34	07/18/11 15:20	1
PCB-1254	<25		25	7.8	ug/Kg	☼	07/15/11 19:34	07/18/11 15:20	1
PCB-1260	<25		25	8.1	ug/Kg	☼	07/15/11 19:34	07/18/11 15:20	1
Polychlorinated biphenyls, Total	<25		25	6.0	ug/Kg	☼	07/15/11 19:34	07/18/11 15:20	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		28 - 124	07/15/11 19:34	07/18/11 15:20	1
DCB Decachlorobiphenyl	79		38 - 130	07/15/11 19:34	07/18/11 15:20	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/17/11 00:36	1
Barium	0.56		0.50	0.010	mg/L		07/16/11 11:55	07/17/11 00:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/17/11 00:36	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:36	1
Copper	0.017 J		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:36	1
Lead	0.0064 J		0.0075	0.0050	mg/L		07/16/11 11:55	07/17/11 00:36	1
Nickel	0.026		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 00:36	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 00:36	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/17/11 00:36	1
Zinc	0.046 J		0.10	0.020	mg/L		07/16/11 11:55	07/17/11 00:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.28 J		1.4	0.16	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Arsenic	3.3		0.71	0.10	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B03 (8-10)

Lab Sample ID: 500-36486-15

Date Collected: 07/12/11 12:40

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 64.8

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.65		0.28	0.014	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Cadmium	0.32		0.14	0.019	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Chromium	17		0.71	0.061	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Copper	28		0.71	0.10	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Lead	13		0.36	0.17	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Nickel	23	^	0.71	0.047	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Selenium	2.9		0.71	0.20	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Silver	0.055	J	0.36	0.045	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Thallium	<0.71		0.71	0.24	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Zinc	57		1.4	0.11	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1
Barium	76		0.71	0.040	mg/Kg	☼	07/13/11 08:40	07/16/11 08:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:28	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:28	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:25	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.023	0.0023	mg/Kg	☼	07/15/11 07:40	07/15/11 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.79		0.200	0.200	SU			07/20/11 08:42	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B02 (0-2)

Lab Sample ID: 500-36486-16

Date Collected: 07/12/11 13:25

Matrix: Solid

Date Received: 07/12/11 15:30

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/16/11 00:50	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/16/11 00:50	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/16/11 00:50	20
Chloroform	<0.020		0.020	0.010	mg/L			07/16/11 00:50	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/16/11 00:50	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/16/11 00:50	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/16/11 00:50	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/16/11 00:50	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/16/11 00:50	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/16/11 00:50	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 124					07/16/11 00:50	20
Toluene-d8 (Surr)	99		80 - 121					07/16/11 00:50	20
4-Bromofluorobenzene (Surr)	100		77 - 112					07/16/11 00:50	20
Dibromofluoromethane	98		78 - 119					07/16/11 00:50	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.8		4.8	0.79	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Vinyl chloride	<4.8		4.8	0.67	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Bromomethane	<4.8		4.8	1.0	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Chloroethane	<4.8		4.8	1.0	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
1,1-Dichloroethene	<4.8		4.8	0.76	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Carbon disulfide	<4.8		4.8	0.68	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Acetone	<4.8		4.8	2.4	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Methylene Chloride	<4.8		4.8	1.3	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
trans-1,2-Dichloroethene	<4.8		4.8	0.68	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Methyl tert-butyl ether	<4.8		4.8	0.72	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
1,1-Dichloroethane	<4.8		4.8	0.76	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
cis-1,2-Dichloroethene	<4.8		4.8	0.70	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Methyl Ethyl Ketone	<4.8		4.8	1.0	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Chloroform	<4.8		4.8	0.88	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
1,1,1-Trichloroethane	<4.8		4.8	0.92	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Carbon tetrachloride	<4.8		4.8	1.0	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Benzene	<4.8		4.8	0.52	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
1,2-Dichloroethane	<4.8		4.8	0.49	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Trichloroethene	<4.8		4.8	0.78	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
1,2-Dichloropropane	<4.8		4.8	1.1	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Bromodichloromethane	<4.8		4.8	0.73	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
cis-1,3-Dichloropropene	<4.8		4.8	0.55	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
methyl isobutyl ketone	<4.8		4.8	0.82	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Toluene	<4.8		4.8	0.93	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
trans-1,3-Dichloropropene	<4.8		4.8	1.1	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
1,1,2-Trichloroethane	<4.8		4.8	0.64	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Tetrachloroethene	<4.8		4.8	0.91	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
2-Hexanone	<4.8		4.8	0.68	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Dibromochloromethane	<4.8		4.8	0.66	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Chlorobenzene	<4.8		4.8	0.76	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1
Ethylbenzene	<4.8		4.8	0.72	ug/Kg	*	07/12/11 13:25	07/15/11 12:58	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B02 (0-2)

Lab Sample ID: 500-36486-16

Date Collected: 07/12/11 13:25

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 86.6

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.8		4.8	0.60	ug/Kg	☼	07/12/11 13:25	07/15/11 12:58	1
Bromoform	<4.8		4.8	0.78	ug/Kg	☼	07/12/11 13:25	07/15/11 12:58	1
1,1,2,2-Tetrachloroethane	<4.8		4.8	0.65	ug/Kg	☼	07/12/11 13:25	07/15/11 12:58	1
Xylenes, Total	<9.6		9.6	0.67	ug/Kg	☼	07/12/11 13:25	07/15/11 12:58	1
1,3-Dichloropropene, Total	<4.8		4.8	0.55	ug/Kg	☼	07/12/11 13:25	07/15/11 12:58	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		69 - 120	07/12/11 13:25	07/15/11 12:58	1
Toluene-d8 (Surr)	104		69 - 122	07/12/11 13:25	07/15/11 12:58	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/12/11 13:25	07/15/11 12:58	1
Dibromofluoromethane	108		69 - 120	07/12/11 13:25	07/15/11 12:58	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	83	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2,4,6-Trichlorophenol	<370		370	80	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2,4-Dichlorophenol	<370		370	47	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2,4-Dimethylphenol	<370		370	120	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2,4-Dinitrophenol	<750		750	270	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2,4-Dinitrotoluene	<190		190	38	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2,6-Dinitrotoluene	<190		190	25	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2-Chloronaphthalene	<190		190	15	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2-Chlorophenol	<190		190	19	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2-Methylnaphthalene	<190		190	14	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2-Methylphenol	<190		190	28	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2-Nitroaniline	<190		190	22	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2-Nitrophenol	<370		370	110	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
3,3'-Dichlorobenzidine	<190		190	27	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
3-Nitroaniline	<370		370	65	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
4,6-Dinitro-2-methylphenol	<370		370	70	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
4-Bromophenyl phenyl ether	<190		190	23	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
4-Chloro-3-methylphenol	<370		370	91	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
4-Chloroaniline	<750		750	120	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
4-Chlorophenyl phenyl ether	<190		190	41	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
4-Nitroaniline	<370		370	64	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
4-Nitrophenol	<750		750	300	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Acenaphthene	18	J	37	7.8	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Acenaphthylene	9.6	J	37	5.8	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Anthracene	63		37	6.8	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Benzo[a]anthracene	340		37	8.0	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Benzo[a]pyrene	290		37	7.2	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Benzo[b]fluoranthene	370		37	7.7	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Benzo[g,h,i]perylene	190		37	9.1	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Benzo[k]fluoranthene	200		37	8.8	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Bis(2-chloroethoxy)methane	<190		190	15	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Bis(2-ethylhexyl) phthalate	43	J	190	20	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Butyl benzyl phthalate	<190		190	31	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Carbazole	36	J	190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Chrysene	350		37	12	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B02 (0-2)

Lab Sample ID: 500-36486-16

Date Collected: 07/12/11 13:25

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 86.6

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	57		37	9.4	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Dibenzofuran	<190		190	42	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Diethyl phthalate	<190		190	41	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Dimethyl phthalate	<190		190	16	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Di-n-octyl phthalate	<190		190	30	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
1,3-Dichlorobenzene	<190		190	20	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Fluoranthene	660		37	7.0	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Fluorene	25 J		37	7.1	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Hexachlorobenzene	<75		75	7.2	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Hexachlorobutadiene	<190		190	29	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Hexachlorocyclopentadiene	<750		750	370	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Hexachloroethane	<190		190	28	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Indeno[1,2,3-cd]pyrene	170		37	9.5	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Isophorone	<190		190	83	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Naphthalene	<37		37	6.8	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Nitrobenzene	<37		37	9.0	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
1,4-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
2,2'-oxybis[1-chloropropane]	<190		190	40	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
N-Nitrosodi-n-propylamine	<190		190	26	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
N-Nitrosodiphenylamine	<190		190	20	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Pentachlorophenol	<750		750	120	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Phenanthrene	390		37	7.3	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Phenol	<190		190	39	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
Pyrene	620		37	13	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
1,2-Dichlorobenzene	<190		190	20	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
1,2,4-Trichlorobenzene	<190		190	23	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1
3 & 4 Methylphenol	<190		190	37	ug/Kg	☼	07/14/11 07:10	07/16/11 20:49	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		27 - 113	07/14/11 07:10	07/16/11 20:49	1
2-Fluorophenol	72		30 - 110	07/14/11 07:10	07/16/11 20:49	1
Nitrobenzene-d5	60		22 - 110	07/14/11 07:10	07/16/11 20:49	1
Phenol-d5	69		26 - 112	07/14/11 07:10	07/16/11 20:49	1
2,4,6-Tribromophenol	105		30 - 137	07/14/11 07:10	07/16/11 20:49	1
Terphenyl-d14	89		33 - 129	07/14/11 07:10	07/16/11 20:49	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 19:05	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 19:05	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 19:05	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 19:05	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 19:05	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 19:05	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 19:05	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 19:05	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 07:30	07/19/11 19:05	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 19:05	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 19:05	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B02 (0-2)

Lab Sample ID: 500-36486-16

Date Collected: 07/12/11 13:25

Matrix: Solid

Date Received: 07/12/11 15:30

Method: 8270C - TCLP Semivolatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 19:05	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	46		20 - 100				07/18/11 07:30	07/19/11 19:05	1
Phenol-d5	28		20 - 100				07/18/11 07:30	07/19/11 19:05	1
Nitrobenzene-d5	80		39 - 110				07/18/11 07:30	07/19/11 19:05	1
2-Fluorobiphenyl	82		44 - 110				07/18/11 07:30	07/19/11 19:05	1
2,4,6-Tribromophenol	90		46 - 126				07/18/11 07:30	07/19/11 19:05	1
Terphenyl-d14	90		52 - 131				07/18/11 07:30	07/19/11 19:05	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/19/11 00:25	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/19/11 00:25	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/19/11 00:25	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/19/11 00:25	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/19/11 00:25	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/19/11 00:25	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/18/11 07:35	07/19/11 00:25	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		36 - 126				07/18/11 07:35	07/19/11 00:25	1
Tetrachloro-m-xylene	66		42 - 120				07/18/11 07:35	07/19/11 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<18		18	4.4	ug/Kg	☼	07/15/11 19:34	07/18/11 15:34	1
PCB-1221	<18		18	6.9	ug/Kg	☼	07/15/11 19:34	07/18/11 15:34	1
PCB-1232	<18		18	6.4	ug/Kg	☼	07/15/11 19:34	07/18/11 15:34	1
PCB-1242	<18		18	5.6	ug/Kg	☼	07/15/11 19:34	07/18/11 15:34	1
PCB-1248	<18		18	6.3	ug/Kg	☼	07/15/11 19:34	07/18/11 15:34	1
PCB-1254	<18		18	5.7	ug/Kg	☼	07/15/11 19:34	07/18/11 15:34	1
PCB-1260	<18		18	5.9	ug/Kg	☼	07/15/11 19:34	07/18/11 15:34	1
Polychlorinated biphenyls, Total	<18		18	4.4	ug/Kg	☼	07/15/11 19:34	07/18/11 15:34	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		28 - 124				07/15/11 19:34	07/18/11 15:34	1
DCB Decachlorobiphenyl	74		38 - 130				07/15/11 19:34	07/18/11 15:34	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/18/11 07:45	07/19/11 06:13	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/18/11 07:45	07/19/11 06:13	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	61		30 - 110				07/18/11 07:45	07/19/11 06:13	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 01:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/17/11 01:16	1
Barium	0.36	J	0.50	0.010	mg/L		07/16/11 11:55	07/17/11 01:16	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B02 (0-2)

Lab Sample ID: 500-36486-16

Date Collected: 07/12/11 13:25

Matrix: Solid

Date Received: 07/12/11 15:30

Method: 6010B - PPL+Ba Metals - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/17/11 01:16	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 01:16	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 01:16	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 11:55	07/17/11 01:16	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 01:16	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 01:16	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/17/11 01:16	1
Zinc	<0.10		0.10	0.020	mg/L		07/16/11 11:55	07/17/11 01:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.1	0.13	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Arsenic	8.7		0.57	0.080	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Beryllium	0.77		0.23	0.011	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Cadmium	0.31		0.11	0.015	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Chromium	19		0.57	0.049	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Copper	27		0.57	0.080	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Lead	40		0.29	0.14	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Nickel	25	^	0.57	0.038	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Selenium	<0.57		0.57	0.16	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Silver	<0.29		0.29	0.036	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Thallium	<0.57		0.57	0.20	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Zinc	57		1.1	0.092	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1
Barium	68		0.57	0.032	mg/Kg	☼	07/13/11 08:40	07/16/11 08:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:31	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:31	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:28	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.059		0.018	0.0019	mg/Kg	☼	07/15/11 07:40	07/15/11 11:44	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/18/11 11:35	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<47		47	5.4	mg/Kg		07/14/11 10:35	07/14/11 12:49	1
Cyanide, Reactive	<0.44		0.44	0.11	mg/Kg		07/16/11 11:09	07/16/11 13:34	1
pH	8.21		0.200	0.200	SU			07/20/11 08:45	1
Paint Filter	pass				mL/100g			07/18/11 15:50	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B02 (16-18)

Lab Sample ID: 500-36486-17

Date Collected: 07/12/11 13:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.6		4.6	0.75	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Vinyl chloride	<4.6		4.6	0.64	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Bromomethane	<4.6		4.6	0.98	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Chloroethane	<4.6		4.6	0.96	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
1,1-Dichloroethene	<4.6		4.6	0.72	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Carbon disulfide	<4.6		4.6	0.65	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Acetone	<4.6		4.6	2.2	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Methylene Chloride	<4.6		4.6	1.3	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
trans-1,2-Dichloroethene	<4.6		4.6	0.65	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Methyl tert-butyl ether	<4.6		4.6	0.69	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
1,1-Dichloroethane	<4.6		4.6	0.72	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
cis-1,2-Dichloroethene	<4.6		4.6	0.67	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Methyl Ethyl Ketone	<4.6		4.6	0.99	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Chloroform	<4.6		4.6	0.84	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
1,1,1-Trichloroethane	<4.6		4.6	0.88	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Carbon tetrachloride	<4.6		4.6	1.0	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Benzene	<4.6		4.6	0.49	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
1,2-Dichloroethane	<4.6		4.6	0.47	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Trichloroethene	<4.6		4.6	0.74	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
1,2-Dichloropropane	<4.6		4.6	1.0	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Bromodichloromethane	<4.6		4.6	0.70	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
cis-1,3-Dichloropropene	<4.6		4.6	0.52	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
methyl isobutyl ketone	<4.6		4.6	0.78	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Toluene	<4.6		4.6	0.89	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
trans-1,3-Dichloropropene	<4.6		4.6	1.0	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
1,1,2-Trichloroethane	<4.6		4.6	0.61	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Tetrachloroethene	<4.6		4.6	0.87	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
2-Hexanone	<4.6		4.6	0.65	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Dibromochloromethane	<4.6		4.6	0.63	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Chlorobenzene	<4.6		4.6	0.72	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Ethylbenzene	<4.6		4.6	0.69	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Styrene	<4.6		4.6	0.58	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Bromoform	<4.6		4.6	0.74	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
1,1,2,2-Tetrachloroethane	<4.6		4.6	0.62	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
Xylenes, Total	<9.2		9.2	0.64	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1
1,3-Dichloropropene, Total	<4.6		4.6	0.52	ug/Kg	*	07/12/11 13:35	07/15/11 13:22	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		69 - 120	07/12/11 13:35	07/15/11 13:22	1
Toluene-d8 (Surr)	106		69 - 122	07/12/11 13:35	07/15/11 13:22	1
4-Bromofluorobenzene (Surr)	102		67 - 120	07/12/11 13:35	07/15/11 13:22	1
Dibromofluoromethane	106		69 - 120	07/12/11 13:35	07/15/11 13:22	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	87	ug/Kg	*	07/14/11 07:10	07/16/11 21:09	1
2,4,6-Trichlorophenol	<390		390	84	ug/Kg	*	07/14/11 07:10	07/16/11 21:09	1
2,4-Dichlorophenol	<390		390	50	ug/Kg	*	07/14/11 07:10	07/16/11 21:09	1
2,4-Dimethylphenol	<390		390	130	ug/Kg	*	07/14/11 07:10	07/16/11 21:09	1
2,4-Dinitrophenol	<790		790	290	ug/Kg	*	07/14/11 07:10	07/16/11 21:09	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B02 (16-18)

Lab Sample ID: 500-36486-17

Date Collected: 07/12/11 13:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<200		200	40	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
2,6-Dinitrotoluene	<200		200	26	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
2-Chloronaphthalene	<200		200	16	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
2-Chlorophenol	<200		200	20	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
2-Methylnaphthalene	69	J	200	15	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
2-Methylphenol	<200		200	29	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
2-Nitroaniline	<200		200	23	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
2-Nitrophenol	<390		390	120	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
3,3'-Dichlorobenzidine	<200		200	29	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
3-Nitroaniline	<390		390	68	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
4,6-Dinitro-2-methylphenol	<390		390	74	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
4-Bromophenyl phenyl ether	<200		200	24	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
4-Chloro-3-methylphenol	<390		390	96	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
4-Chloroaniline	<790		790	120	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
4-Chlorophenyl phenyl ether	<200		200	43	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
4-Nitroaniline	<390		390	67	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
4-Nitrophenol	<790		790	320	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Acenaphthene	<39		39	8.2	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Acenaphthylene	<39		39	6.1	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Anthracene	<39		39	7.2	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Benzo[a]anthracene	<39		39	8.4	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Benzo[b]fluoranthene	<39		39	8.1	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Benzo[g,h,i]perylene	39		39	9.5	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Benzo[k]fluoranthene	<39		39	9.2	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Bis(2-chloroethoxy)methane	<200		200	16	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Bis(2-chloroethyl)ether	<200		200	23	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Bis(2-ethylhexyl) phthalate	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Butyl benzyl phthalate	<200		200	33	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Carbazole	<200		200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Chrysene	20	J	39	13	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Dibenz(a,h)anthracene	<39		39	9.9	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Dibenzofuran	<200		200	44	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Diethyl phthalate	<200		200	43	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Dimethyl phthalate	<200		200	17	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Di-n-butyl phthalate	<200		200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Di-n-octyl phthalate	<200		200	31	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
1,3-Dichlorobenzene	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Fluorene	<39		39	7.5	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Hexachlorobenzene	<79		79	7.6	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Hexachlorobutadiene	<200		200	30	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Hexachlorocyclopentadiene	<790		790	390	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Hexachloroethane	<200		200	30	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Isophorone	<200		200	87	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Naphthalene	22	J	39	7.1	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Nitrobenzene	<39		39	9.5	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
1,4-Dichlorobenzene	<200		200	22	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
2,2'-oxybis[1-chloropropane]	<200		200	42	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B02 (16-18)

Lab Sample ID: 500-36486-17

Date Collected: 07/12/11 13:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<200		200	27	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
N-Nitrosodiphenylamine	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Pentachlorophenol	<790		790	130	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Phenanthrene	59		39	7.7	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Phenol	<200		200	41	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
Pyrene	13 J		39	13	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
1,2-Dichlorobenzene	<200		200	21	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
1,2,4-Trichlorobenzene	<200		200	24	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1
3 & 4 Methylphenol	<200		200	39	ug/Kg	☼	07/14/11 07:10	07/16/11 21:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	46		27 - 113	07/14/11 07:10	07/16/11 21:09	1
2-Fluorophenol	52		30 - 110	07/14/11 07:10	07/16/11 21:09	1
Nitrobenzene-d5	41		22 - 110	07/14/11 07:10	07/16/11 21:09	1
Phenol-d5	51		26 - 112	07/14/11 07:10	07/16/11 21:09	1
2,4,6-Tribromophenol	66		30 - 137	07/14/11 07:10	07/16/11 21:09	1
Terphenyl-d14	82		33 - 129	07/14/11 07:10	07/16/11 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	07/15/11 19:34	07/18/11 15:48	1
PCB-1221	<19		19	7.3	ug/Kg	☼	07/15/11 19:34	07/18/11 15:48	1
PCB-1232	<19		19	6.7	ug/Kg	☼	07/15/11 19:34	07/18/11 15:48	1
PCB-1242	<19		19	5.9	ug/Kg	☼	07/15/11 19:34	07/18/11 15:48	1
PCB-1248	<19		19	6.6	ug/Kg	☼	07/15/11 19:34	07/18/11 15:48	1
PCB-1254	<19		19	6.0	ug/Kg	☼	07/15/11 19:34	07/18/11 15:48	1
PCB-1260	<19		19	6.3	ug/Kg	☼	07/15/11 19:34	07/18/11 15:48	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	☼	07/15/11 19:34	07/18/11 15:48	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68		28 - 124	07/15/11 19:34	07/18/11 15:48	1
DCB Decachlorobiphenyl	71		38 - 130	07/15/11 19:34	07/18/11 15:48	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 01:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 11:55	07/17/11 01:22	1
Barium	0.69		0.50	0.010	mg/L		07/16/11 11:55	07/17/11 01:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 11:55	07/17/11 01:22	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 01:22	1
Copper	0.012 J		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 01:22	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 11:55	07/17/11 01:22	1
Nickel	0.055		0.025	0.010	mg/L		07/16/11 11:55	07/17/11 01:22	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 11:55	07/17/11 01:22	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 11:55	07/17/11 01:22	1
Zinc	0.026 J		0.10	0.020	mg/L		07/16/11 11:55	07/17/11 01:22	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.24 J		1.1	0.13	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Arsenic	7.3		0.55	0.077	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Client Sample ID: E1227B02 (16-18)

Lab Sample ID: 500-36486-17

Date Collected: 07/12/11 13:35

Matrix: Solid

Date Received: 07/12/11 15:30

Percent Solids: 83.5

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.59		0.22	0.011	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Cadmium	0.24		0.11	0.015	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Chromium	18		0.55	0.047	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Copper	26		0.55	0.077	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Lead	11		0.28	0.13	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Nickel	27 ^		0.55	0.036	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Selenium	<0.55	L	0.55	0.15	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Thallium	<0.55		0.55	0.19	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Zinc	40		1.1	0.088	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1
Barium	45		0.55	0.031	mg/Kg	☼	07/13/11 08:40	07/16/11 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 11:55	07/19/11 13:32	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 11:55	07/19/11 13:32	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 13:31	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.0019	mg/Kg	☼	07/15/11 07:40	07/15/11 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.87		0.200	0.200	SU			07/20/11 08:47	1



Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control 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
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control 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 is outside control limits

GC Semi VOA

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

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	Duplicate RPD exceeds the control limit
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
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Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36486-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Chain of Custody Record

Lab Job #: **500-36486**
 Chain of Custody Number: **EEG-12-16**
 Page **1** of **1**
 Temperature °C of Cooler: **(37)(42)**

Report To: **Dan Tichet**
 Contact: **F-E**
 Company: **33 W. Merritt St. #502**
 Address: **Chicago, IL 60603**
 Address: **312-576-9243**
 Phone: **312-576-9345**
 Fax: **JTichet@PINC.COM**
 E-Mail: **JTichet@PINC.COM**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Lab ID	MSMSD	Sample ID	Date	Time	Samp. #	Matrix	Preservative	Parameter	VOC	SVOC	P.P. water	TCCD PD	Meths + Bz	PTH/% solids	Comments
1		E12Z7G01	7-11-11	1520	6	W			X						
2		E12Z7B04	7-11-11	-	2	W			X						
3		E12Z7B08 (0-2)	7-12-11	0840	2	S			X						
4		E12Z7B08 (14-16)	7-12-11	0845	2	S			X						
5		E12Z7B08 & D (14-16)	7-12-11	0845	2	S			X						
6		E12Z7B07 (2-4)	7-12-11	0916	2	S			X						
7		E12Z7B07 (6-8)	7-12-11	0915	2	S			X						
8		E12Z7B06 (0-2)	7-12-11	0945	2	S			X						
9		E12Z7B06 (4-6)	7-12-11	0950	2	S			X						

Client: **Ecology - Environment** Client Project #: **3133 VI12-01**
 Project Name: **Irving Park Road (IL14)**
 Project Location/State: **DuPage County, IL** Lab Project #: **5672**
 Sample: **Scott Seep** Lab PM: **Dick Wright**

Turnaround Time Required (Business Days):
 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other
 Requested Due Date: _____
 Relinquished By: **CBE** Company: **C-E** Date: **7-12-11** Time: **1355**
 Relinquished By: **JAT** Company: **JAT** Date: **7-12-11** Time: **1355**
 Received By: **JAT** Company: **JAT** Date: **7-12-11** Time: **1355**
 Received By: **JAT** Company: **JAT** Date: **7-12-11** Time: **1355**
 Received By: _____ Company: _____ Date: _____ Time: _____

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

Archives for: _____ Months

Lab Courier: **TA**

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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

Page 134 of 136

TAL-4124-500 (1/2009) 07/20/2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To: Dean Turbut
 Contact: E.C.E.
 Company: 33 L Menard St. Suite 550
 Address: Chicago, IL 60603
 Address: 312 576 9243
 Phone: 312 576 9345
 Fax: Lab. C. Enc. C.
 C-Mail:

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Chain of Custody Record
 Lab Job #: 500-36486
 Chain of Custody Number: EEG-12-17
 Page: 1 of 1
 Temperature °C of Cooler: _____

Lab ID	Sample ID	Date	Time	# of Containers	Mark	Preservative	Parameter	Analysis							Comments	
								Voc	Svoc	PCB	R.P. Meths	TBA	Temp P.P.	Meths + B.S.		PH/‰ S.P.I.
10	E1227B05 (02)	7-12-11	1030	2	S			X	X	X	X	X	X			
11	E1227B05 (6-2)	7-12-11	1035	2	S			X	X	X	X	X	X			
12	E1227B04 (0-10)	7-12-11	1115	2	S			X	X	X	X	X	X			
13	E1227B04 (16-18)	7-12-11	1125	2	S			X	X	X	X	X	X			
14	E1227B03 (2-4)	7-12-11	1235	2	S			X	X	X	X	X	X			
15	E1227B03 (8-10)	7-12-11	1240	2	S			X	X	X	X	X	X			
16	E1227B02 (0-2)	7-12-11	1325	2	S			X	X	X	X	X	X			Sampling for this project is complete.
17	E1227B02 (16-18)	7-12-11	1335	2	S			X	X	X	X	X	X			

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

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

Relinquished By: [Signature] Company: E.C.E. Date: 7-12-11 Time: 1355
 Relinquished By: [Signature] Company: TA Date: 7-12-11 Time: 1530
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

304 N. York Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96490 Longitude: -87.93981
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96490 Longitude: -87.93981

Uncontaminated Site 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 E1231B01 was sampled within the construction zone adjacent to ISGS #1583V-31: Ewing-Doherty Mechanical, Inc.. Refer to PSI Report for ISGS #1583V-31: Ewing-Doherty Mechanical, Inc. including Table 4-5, and Figure 4-5A.

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

See attached data summary table and associated laboratory data package J36452.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

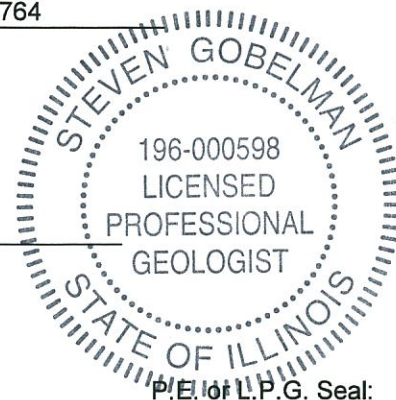
Steven Gobelman

Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/13/15

Date:





Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-31 (Ewing-Doherty Mechanical, Inc.)	Comparison Criteria			
		MACs			TACO SCGIER
BORING	E1231B01	Most Stringent	Within an MSA	Within Chicago	
SAMPLE	E1231B01(0-2)				
MATRIX	Soil				
DEPTH (m)	0.0-0.6				
pH	8.13				
VOCs (None Detected)					
SVOCs (µg/kg)					
Anthracene	22 J	12,000,000	--	--	--
Benzo[a]anthracene	160	900	1,800	1,100	--
Benzo[a]pyrene	170 †	90	2,100	1,300	--
Benzo[b]fluoranthene	210	900	2,100	1,500	--
Benzo[g,h,i]perylene	120	2,300,000	--	--	--
Benzo[k]fluoranthene	110	9,000	--	--	--
Chrysene	220	88,000	--	--	--
Dibenzo(a,h)anthracene	35 J	90	420	200	--
Fluoranthene	360	3,100,000	--	--	--
Fluorene	10 J	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	100	900	1,600	900	--
Phenanthrene	150	210,000	--	--	--
Pyrene	330	2,300,000	--	--	--
Inorganics (mg/kg)					
Arsenic	5.8	11.3	13	--	0.05
Barium	130	1,500	--	--	2
Cadmium	0.30	5.2	--	--	0.005
Chromium	19	21	--	--	0.1
Lead	22	107	--	--	0.0075
Mercury	0.060	0.89	--	--	0.002
TCLP Metals (mg/L)					
Barium	0.64	1,500	--	--	2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36452-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/20/2011 10:38:52 AM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Job ID: 500-36452-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-36452-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 500-119382 exceeded control limits for the following analyte: 1,1-Dichloroethane. All analytes in the laboratory control sample (LCS) were within control limits. All %RPD values were within control limits.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 119382 recovered 1,1-Dichloroethane below the in-house generated QC limits. The laboratory control sample (LCS) was within limits.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: E1232B03(0-2) (500-36452-11). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 07/14/2011 at 18:25 did not meet control limits for Aroclor 1260 on the confirmation column (Rtx-Clp2). Sample matrix is suspected to have contributed to this failure.

Method(s) 8081A: The continuing calibration verification (CCV) for Toxaphene recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Chlordane (technical) and Methoxychlor. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The matrix (MS) recoveries for batch 119639 were outside control limits for Heptachlor epoxide and gamma-BHC (Lindane). The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The ICB for AD batch 119567 was slightly outside acceptance limit for Ni. All other CCB's were within acceptance limits. The samples were reported.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1231B01(0-2)

Lab Sample ID: 500-36452-12

Date Collected: 07/11/11 14:10

Matrix: Solid

Date Received: 07/11/11 15:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/16/11 00:28	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/16/11 00:28	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/16/11 00:28	20
Chloroform	<0.020		0.020	0.010	mg/L			07/16/11 00:28	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/16/11 00:28	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/16/11 00:28	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/16/11 00:28	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/16/11 00:28	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/16/11 00:28	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/16/11 00:28	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 124					07/16/11 00:28	20
Toluene-d8 (Surr)	97		80 - 121					07/16/11 00:28	20
4-Bromofluorobenzene (Surr)	100		77 - 112					07/16/11 00:28	20
Dibromofluoromethane	97		78 - 119					07/16/11 00:28	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.5		5.5	0.91	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Vinyl chloride	<5.5		5.5	0.78	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Bromomethane	<5.5		5.5	1.2	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Chloroethane	<5.5		5.5	1.2	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
1,1-Dichloroethene	<5.5		5.5	0.88	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Carbon disulfide	<5.5		5.5	0.79	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Acetone	<5.5		5.5	2.7	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Methylene Chloride	<5.5		5.5	1.6	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
trans-1,2-Dichloroethene	<5.5		5.5	0.79	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Methyl tert-butyl ether	<5.5		5.5	0.83	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
1,1-Dichloroethane	<5.5 *		5.5	0.88	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
cis-1,2-Dichloroethene	<5.5		5.5	0.81	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Methyl Ethyl Ketone	<5.5		5.5	1.2	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Chloroform	<5.5		5.5	1.0	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
1,1,1-Trichloroethane	<5.5		5.5	1.1	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Carbon tetrachloride	<5.5		5.5	1.2	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Benzene	<5.5		5.5	0.60	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
1,2-Dichloroethane	<5.5		5.5	0.56	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Trichloroethene	<5.5		5.5	0.90	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
1,2-Dichloropropane	<5.5		5.5	1.3	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Bromodichloromethane	<5.5		5.5	0.84	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
cis-1,3-Dichloropropene	<5.5		5.5	0.63	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
methyl isobutyl ketone	<5.5		5.5	0.94	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Toluene	<5.5		5.5	1.1	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
trans-1,3-Dichloropropene	<5.5		5.5	1.3	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
1,1,2-Trichloroethane	<5.5		5.5	0.74	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Tetrachloroethene	<5.5		5.5	1.1	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
2-Hexanone	<5.5		5.5	0.79	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Dibromochloromethane	<5.5		5.5	0.76	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Chlorobenzene	<5.5		5.5	0.88	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1
Ethylbenzene	<5.5		5.5	0.83	ug/Kg	*	07/11/11 14:10	07/15/11 09:42	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1231B01(0-2)

Lab Sample ID: 500-36452-12

Date Collected: 07/11/11 14:10

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 77.4

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<5.5		5.5	0.70	ug/Kg	☼	07/11/11 14:10	07/15/11 09:42	1
Bromoform	<5.5		5.5	0.90	ug/Kg	☼	07/11/11 14:10	07/15/11 09:42	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	0.75	ug/Kg	☼	07/11/11 14:10	07/15/11 09:42	1
Xylenes, Total	<11		11	0.78	ug/Kg	☼	07/11/11 14:10	07/15/11 09:42	1
1,3-Dichloropropene, Total	<5.5		5.5	0.63	ug/Kg	☼	07/11/11 14:10	07/15/11 09:42	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		69 - 120	07/11/11 14:10	07/15/11 09:42	1
Toluene-d8 (Surr)	97		69 - 122	07/11/11 14:10	07/15/11 09:42	1
4-Bromofluorobenzene (Surr)	85		67 - 120	07/11/11 14:10	07/15/11 09:42	1
Dibromofluoromethane	97		69 - 120	07/11/11 14:10	07/15/11 09:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<41		41	7.5	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Acenaphthylene	<41		41	6.4	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Acenaphthene	<41		41	8.6	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Fluorene	10	J	41	7.9	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Phenanthrene	150		41	8.1	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Anthracene	22	J	41	7.5	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Fluoranthene	360		41	7.7	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Pyrene	330		41	14	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Benzo[a]anthracene	160		41	8.9	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Chrysene	220		41	13	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Benzo[b]fluoranthene	210		41	8.5	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Benzo[k]fluoranthene	110		41	9.7	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Benzo[a]pyrene	170		41	7.9	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Indeno[1,2,3-cd]pyrene	100		41	11	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Dibenz(a,h)anthracene	35	J	41	10	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1
Benzo[g,h,i]perylene	120		41	10	ug/Kg	☼	07/14/11 07:05	07/15/11 22:33	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	50		22 - 110	07/14/11 07:05	07/15/11 22:33	1
2-Fluorobiphenyl	49		27 - 113	07/14/11 07:05	07/15/11 22:33	1
Terphenyl-d14	80		33 - 129	07/14/11 07:05	07/15/11 22:33	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:43	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:43	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:43	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:43	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:43	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:43	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:43	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 18:43	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 07:30	07/19/11 18:43	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 18:43	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:43	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:43	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1231B01(0-2)

Lab Sample ID: 500-36452-12

Date Collected: 07/11/11 14:10

Matrix: Solid

Date Received: 07/11/11 15:00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	43		20 - 100	07/18/11 07:30	07/19/11 18:43	1
Phenol-d5	31		20 - 100	07/18/11 07:30	07/19/11 18:43	1
Nitrobenzene-d5	74		39 - 110	07/18/11 07:30	07/19/11 18:43	1
2-Fluorobiphenyl	75		44 - 110	07/18/11 07:30	07/19/11 18:43	1
2,4,6-Tribromophenol	103		46 - 126	07/18/11 07:30	07/19/11 18:43	1
Terphenyl-d14	88		52 - 131	07/18/11 07:30	07/19/11 18:43	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/19/11 00:06	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/19/11 00:06	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/19/11 00:06	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/19/11 00:06	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/19/11 00:06	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/19/11 00:06	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/18/11 07:35	07/19/11 00:06	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		36 - 126	07/18/11 07:35	07/19/11 00:06	1
Tetrachloro-m-xylene	77		42 - 120	07/18/11 07:35	07/19/11 00:06	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<21		21	5.1	ug/Kg	*	07/13/11 21:23	07/14/11 19:07	1
PCB-1221	<21		21	8.0	ug/Kg	*	07/13/11 21:23	07/14/11 19:07	1
PCB-1232	<21		21	7.4	ug/Kg	*	07/13/11 21:23	07/14/11 19:07	1
PCB-1242	<21		21	6.5	ug/Kg	*	07/13/11 21:23	07/14/11 19:07	1
PCB-1248	<21		21	7.2	ug/Kg	*	07/13/11 21:23	07/14/11 19:07	1
PCB-1254	<21		21	6.6	ug/Kg	*	07/13/11 21:23	07/14/11 19:07	1
PCB-1260	<21		21	6.9	ug/Kg	*	07/13/11 21:23	07/14/11 19:07	1
Polychlorinated biphenyls, Total	<21		21	5.1	ug/Kg	*	07/13/11 21:23	07/14/11 19:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	67		28 - 124	07/13/11 21:23	07/14/11 19:07	1
DCB Decachlorobiphenyl	68		38 - 130	07/13/11 21:23	07/14/11 19:07	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/18/11 07:45	07/19/11 05:52	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/18/11 07:45	07/19/11 05:52	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	66		30 - 110	07/18/11 07:45	07/19/11 05:52	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8		0.61	0.086	mg/Kg	*	07/12/11 15:10	07/16/11 05:16	1
Barium	130		0.61	0.034	mg/Kg	*	07/12/11 15:10	07/16/11 05:16	1
Cadmium	0.30		0.12	0.016	mg/Kg	*	07/12/11 15:10	07/16/11 05:16	1
Chromium	19		0.61	0.052	mg/Kg	*	07/12/11 15:10	07/16/11 05:16	1
Lead	22		0.31	0.15	mg/Kg	*	07/12/11 15:10	07/16/11 05:16	1
Selenium	<0.61		0.61	0.17	mg/Kg	*	07/12/11 15:10	07/16/11 05:16	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1231B01(0-2)

Lab Sample ID: 500-36452-12

Date Collected: 07/11/11 14:10

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 77.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.31		0.31	0.038	mg/Kg	☼	07/12/11 15:10	07/16/11 05:16	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		07/16/11 10:30	07/16/11 22:34	1
Barium	0.64		0.50	0.010	mg/L		07/16/11 10:30	07/16/11 22:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 22:34	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 22:34	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 22:34	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 22:34	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 22:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:43	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060		0.021	0.0021	mg/Kg	☼	07/15/11 07:40	07/15/11 10:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176		NONE	NONE	Degrees F			07/18/11 09:30	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<49		49	5.7	mg/Kg		07/14/11 10:31	07/14/11 12:48	1
Cyanide, Reactive	<0.45		0.45	0.11	mg/Kg		07/16/11 11:05	07/16/11 13:32	1
pH	8.13		0.200	0.200	SU			07/19/11 15:46	1
Paint Filter	pass				mL/100g			07/18/11 15:45	1



Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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 Contact: E.E
 Company: E.E
 Address: 32 W. Mainville St. Suite 550
Wilmington, IL 60602
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Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Chain of Custody Record
 Lab Job #: 500-36452
 Chain of Custody Number: E.E. 12-14
 Page 1 of 1
 Temperature °C of Cooler: (3.5)(3.2)

Lab ID	MMSD	Sample ID	Sampler	Client Project #	Client Project Name	Project Location/State	Lab Project #	Lab PM	Sampling		Matrix	Containers #	Preservative	VOC	S.Voc	P.P. Metals	TCLP P.P. + Ba	P.P. Metals + Ba	P.P. Metals + Ba	Wet Disposal	Comments
									Date	Time											
1		E1246B02(4-6)	Dick Wright	3153	KZ12-01	Living Park Road (ZL11)	5672		7-11-11	1005	2 S			X	X	X	X	X	X		
2		E1246B01(2-4)							7-11-11	1025	3 S			X	X	X	X	X	X		
3		E1245B03(4-6)							7-11-11	1100	2 S			X	X	X	X	X	X		
4		E1245B02(2-4)							7-11-11	1115	2 S			X	X	X	X	X	X		
5		E1245B01(0-2)							7-11-11	1145	3 S			X	X	X	X	X	X		
6		E1227B01(0-2)							7-11-11	1440	2 S			X	X	X	X	X	X		
7		E1227B01(6-8)							7-11-11	1450	2 S			X	X	X	X	X	X		

Turnaround Time Required (Business Days) 15 Days
 Requested Due Date _____
 Requested By _____
 Company _____

Sample Disposal: Return to Client Disposal by Lab
 Archived for _____ Months (A fee may be assessed if samples are retained longer than 1 month)
 Received By: TA Date: 7-11-11 Time: 1500
 Received By: TA Date: 7-12-11 Time: 0630
 Received By: _____ Date: _____ Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

Matrix Key:
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air

SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

300 N. York Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96440 Longitude: -87.93980
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434140043 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96440 Longitude: -87.93980

Uncontaminated Site 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 E1232B01 and E1232B02 were sampled within the construction zone adjacent to ISGS #1583V-32: Firestone Truck and Tire. Refer to PSI Report for ISGS #1583V-32: Firestone Truck and Tire including Table 4-5, and Figure 4-5A.

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

See attached data summary table and associated laboratory data package J36452.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

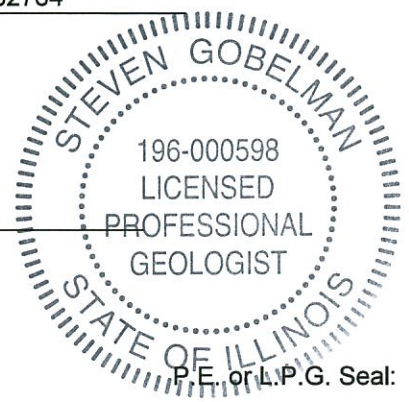
City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman
Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/15/15
Date:





Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-32 (Firestone Truck and Tire)			Comparison Criteria			
	E1232B01	E1232B02		MACs			TACO SCGIER
BORING	E1232B01(2-4)	E1232B02(4-6)	E1232B02D(4-6)	Most Stringent	Within an MSA	Within Chicago	
SAMPLE							
MATRIX	Soil	Soil	Soil				
DEPTH (m)	0.6-1.2	1.2-1.8	1.2-1.8				
pH	7.82	8.23	8.21				
VOCs (µg/kg)							
Acetone	ND U	ND U	2.7 J	25,000	--	--	--
SVOCs (µg/kg)							
Benzo[a]anthracene	ND U	33 J	24 J	900	1,800	1,100	--
Benzo[a]pyrene	ND U	34 J	26 J	90	2,100	1,300	--
Benzo[b]fluoranthene	ND U	41	32 J	900	2,100	1,500	--
Benzo[g,h,i]perylene	ND U	27 J	26 J	2,300,000	--	--	--
Benzo[k]fluoranthene	ND U	24 J	13 J	9,000	--	--	--
Chrysene	ND U	46	38 J	88,000	--	--	--
Fluoranthene	ND U	72	51	3,100,000	--	--	--
Indeno[1,2,3-cd]pyrene	ND U	23 J	20 J	900	1,600	900	--
Phenanthrene	ND U	41	42	210,000	--	--	--
Pyrene	ND U	64	52	2,300,000	--	--	--
Inorganics (mg/kg)							
Arsenic	8.4	7.7	7.6	11.3	13	--	0.05
Barium	77	68	67	1,500	--	--	2
Cadmium	0.32	0.23	0.26	5.2	--	--	0.005
Chromium	20	16	19	21	--	--	0.1
Lead	15	13	14	107	--	--	0.0075
Mercury	0.030	0.033	0.027	0.89	--	--	0.002
TCLP Metals (mg/L)							
Barium	0.48 J	0.50	0.42 J	1,500	--	--	2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36452-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/20/2011 10:38:52 AM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Job ID: 500-36452-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-36452-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 500-119382 exceeded control limits for the following analyte: 1,1-Dichloroethane. All analytes in the laboratory control sample (LCS) were within control limits. All %RPD values were within control limits.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 119382 recovered 1,1-Dichloroethane below the in-house generated QC limits. The laboratory control sample (LCS) was within limits.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: E1232B03(0-2) (500-36452-11). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 07/14/2011 at 18:25 did not meet control limits for Aroclor 1260 on the confirmation column (Rtx-Clp2). Sample matrix is suspected to have contributed to this failure.

Method(s) 8081A: The continuing calibration verification (CCV) for Toxaphene recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Chlordane (technical) and Methoxychlor. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The matrix (MS) recoveries for batch 119639 were outside control limits for Heptachlor epoxide and gamma-BHC (Lindane). The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The ICB for AD batch 119567 was slightly outside acceptance limit for Ni. All other CCB's were within acceptance limits. The samples were reported.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1232B01(2-4)

Lab Sample ID: 500-36452-8

Date Collected: 07/11/11 12:45

Matrix: Solid

Date Received: 07/11/11 15:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/16/11 00:06	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/16/11 00:06	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/16/11 00:06	20
Chloroform	<0.020		0.020	0.010	mg/L			07/16/11 00:06	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/16/11 00:06	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/16/11 00:06	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/16/11 00:06	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/16/11 00:06	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/16/11 00:06	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/16/11 00:06	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 124					07/16/11 00:06	20
Toluene-d8 (Surr)	115		80 - 121					07/16/11 00:06	20
4-Bromofluorobenzene (Surr)	99		77 - 112					07/16/11 00:06	20
Dibromofluoromethane	102		78 - 119					07/16/11 00:06	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.8		4.8	0.79	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Vinyl chloride	<4.8		4.8	0.67	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Bromomethane	<4.8		4.8	1.0	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Chloroethane	<4.8		4.8	1.0	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
1,1-Dichloroethene	<4.8		4.8	0.76	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Carbon disulfide	<4.8		4.8	0.68	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Acetone	<4.8		4.8	2.3	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Methylene Chloride	<4.8		4.8	1.3	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
trans-1,2-Dichloroethene	<4.8		4.8	0.68	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Methyl tert-butyl ether	<4.8		4.8	0.72	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
1,1-Dichloroethane	<4.8		4.8	0.76	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
cis-1,2-Dichloroethene	<4.8		4.8	0.70	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Methyl Ethyl Ketone	<4.8		4.8	1.0	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Chloroform	<4.8		4.8	0.88	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
1,1,1-Trichloroethane	<4.8		4.8	0.92	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Carbon tetrachloride	<4.8		4.8	1.0	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Benzene	<4.8		4.8	0.52	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
1,2-Dichloroethane	<4.8		4.8	0.49	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Trichloroethene	<4.8		4.8	0.78	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
1,2-Dichloropropane	<4.8		4.8	1.1	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Bromodichloromethane	<4.8		4.8	0.73	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
cis-1,3-Dichloropropene	<4.8		4.8	0.55	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
methyl isobutyl ketone	<4.8		4.8	0.81	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Toluene	<4.8		4.8	0.93	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
trans-1,3-Dichloropropene	<4.8		4.8	1.1	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
1,1,2-Trichloroethane	<4.8		4.8	0.64	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Tetrachloroethene	<4.8		4.8	0.91	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
2-Hexanone	<4.8		4.8	0.68	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Dibromochloromethane	<4.8		4.8	0.66	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Chlorobenzene	<4.8		4.8	0.76	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1
Ethylbenzene	<4.8		4.8	0.72	ug/Kg	*	07/11/11 12:45	07/13/11 13:42	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1232B01(2-4)

Lab Sample ID: 500-36452-8

Date Collected: 07/11/11 12:45

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 83.3

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.8		4.8	0.60	ug/Kg	☼	07/11/11 12:45	07/13/11 13:42	1
Bromoform	<4.8		4.8	0.78	ug/Kg	☼	07/11/11 12:45	07/13/11 13:42	1
1,1,2,2-Tetrachloroethane	<4.8		4.8	0.65	ug/Kg	☼	07/11/11 12:45	07/13/11 13:42	1
Xylenes, Total	<9.6		9.6	0.67	ug/Kg	☼	07/11/11 12:45	07/13/11 13:42	1
1,3-Dichloropropene, Total	<4.8		4.8	0.55	ug/Kg	☼	07/11/11 12:45	07/13/11 13:42	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		69 - 120	07/11/11 12:45	07/13/11 13:42	1
Toluene-d8 (Surr)	105		69 - 122	07/11/11 12:45	07/13/11 13:42	1
4-Bromofluorobenzene (Surr)	104		67 - 120	07/11/11 12:45	07/13/11 13:42	1
Dibromofluoromethane	110		69 - 120	07/11/11 12:45	07/13/11 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	7.0	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Acenaphthylene	<38		38	6.0	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Acenaphthene	<38		38	8.0	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Fluorene	<38		38	7.3	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Phenanthrene	<38		38	7.6	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Anthracene	<38		38	7.0	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Pyrene	<38		38	13	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Benzo[a]anthracene	<38		38	8.2	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Chrysene	<38		38	12	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Benzo[b]fluoranthene	<38		38	8.0	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Benzo[k]fluoranthene	<38		38	9.0	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Dibenz(a,h)anthracene	<38		38	9.7	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1
Benzo[g,h,i]perylene	<38		38	9.4	ug/Kg	☼	07/14/11 07:05	07/15/11 21:31	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	46		22 - 110	07/14/11 07:05	07/15/11 21:31	1
2-Fluorobiphenyl	45		27 - 113	07/14/11 07:05	07/15/11 21:31	1
Terphenyl-d14	76		33 - 129	07/14/11 07:05	07/15/11 21:31	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:20	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:20	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:20	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:20	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:20	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:20	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:20	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 18:20	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 07:30	07/19/11 18:20	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 18:20	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:20	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 18:20	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1232B01(2-4)

Lab Sample ID: 500-36452-8

Date Collected: 07/11/11 12:45

Matrix: Solid

Date Received: 07/11/11 15:00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	50		20 - 100	07/18/11 07:30	07/19/11 18:20	1
Phenol-d5	33		20 - 100	07/18/11 07:30	07/19/11 18:20	1
Nitrobenzene-d5	84		39 - 110	07/18/11 07:30	07/19/11 18:20	1
2-Fluorobiphenyl	86		44 - 110	07/18/11 07:30	07/19/11 18:20	1
2,4,6-Tribromophenol	98		46 - 126	07/18/11 07:30	07/19/11 18:20	1
Terphenyl-d14	92		52 - 131	07/18/11 07:30	07/19/11 18:20	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/18/11 23:45	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 23:45	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 23:45	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 23:45	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 23:45	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/18/11 23:45	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/18/11 07:35	07/18/11 23:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		36 - 126	07/18/11 07:35	07/18/11 23:45	1
Tetrachloro-m-xylene	70		42 - 120	07/18/11 07:35	07/18/11 23:45	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.8	ug/Kg	☼	07/13/11 21:23	07/14/11 18:53	1
PCB-1221	<20		20	7.6	ug/Kg	☼	07/13/11 21:23	07/14/11 18:53	1
PCB-1232	<20		20	7.0	ug/Kg	☼	07/13/11 21:23	07/14/11 18:53	1
PCB-1242	<20		20	6.1	ug/Kg	☼	07/13/11 21:23	07/14/11 18:53	1
PCB-1248	<20		20	6.8	ug/Kg	☼	07/13/11 21:23	07/14/11 18:53	1
PCB-1254	<20		20	6.2	ug/Kg	☼	07/13/11 21:23	07/14/11 18:53	1
PCB-1260	<20		20	6.5	ug/Kg	☼	07/13/11 21:23	07/14/11 18:53	1
Polychlorinated biphenyls, Total	<20		20	4.8	ug/Kg	☼	07/13/11 21:23	07/14/11 18:53	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		28 - 124	07/13/11 21:23	07/14/11 18:53	1
DCB Decachlorobiphenyl	77		38 - 130	07/13/11 21:23	07/14/11 18:53	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/18/11 07:45	07/19/11 05:30	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/18/11 07:45	07/19/11 05:30	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	62		30 - 110	07/18/11 07:45	07/19/11 05:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.4		0.60	0.084	mg/Kg	☼	07/12/11 15:10	07/16/11 04:36	1
Barium	77		0.60	0.033	mg/Kg	☼	07/12/11 15:10	07/16/11 04:36	1
Cadmium	0.32		0.12	0.016	mg/Kg	☼	07/12/11 15:10	07/16/11 04:36	1
Chromium	20		0.60	0.051	mg/Kg	☼	07/12/11 15:10	07/16/11 04:36	1
Lead	15		0.30	0.14	mg/Kg	☼	07/12/11 15:10	07/16/11 04:36	1
Selenium	<0.60		0.60	0.17	mg/Kg	☼	07/12/11 15:10	07/16/11 04:36	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1232B01(2-4)

Lab Sample ID: 500-36452-8

Date Collected: 07/11/11 12:45

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.30		0.30	0.038	mg/Kg	☼	07/12/11 15:10	07/16/11 04:36	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		07/16/11 10:30	07/16/11 22:01	1
Barium	0.48	J	0.50	0.010	mg/L		07/16/11 10:30	07/16/11 22:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 22:01	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 22:01	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 22:01	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 22:01	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 22:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:34	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018	0.0018	mg/Kg	☼	07/15/11 07:40	07/15/11 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176		NONE	NONE	Degrees F			07/16/11 13:20	1
Sulfide, Reactive	<45		45	5.2	mg/Kg		07/14/11 10:27	07/14/11 12:47	1
Cyanide, Reactive	0.12	J	0.49	0.12	mg/Kg		07/16/11 11:02	07/16/11 13:30	1
pH	7.82		0.200	0.200	SU			07/19/11 15:35	1
Paint Filter	pass				mL/100g			07/16/11 11:55	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1232B02(4-6)

Lab Sample ID: 500-36452-9

Date Collected: 07/11/11 13:35

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 81.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.7		4.7	0.77	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Vinyl chloride	<4.7		4.7	0.66	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Bromomethane	<4.7		4.7	1.0	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Chloroethane	<4.7		4.7	0.99	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
1,1-Dichloroethene	<4.7		4.7	0.74	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Carbon disulfide	<4.7		4.7	0.67	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Acetone	<4.7		4.7	2.3	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Methylene Chloride	<4.7		4.7	1.3	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
trans-1,2-Dichloroethene	<4.7		4.7	0.67	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Methyl tert-butyl ether	<4.7		4.7	0.71	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
1,1-Dichloroethane	<4.7		4.7	0.74	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
cis-1,2-Dichloroethene	<4.7		4.7	0.69	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Methyl Ethyl Ketone	<4.7		4.7	1.0	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Chloroform	<4.7		4.7	0.87	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
1,1,1-Trichloroethane	<4.7		4.7	0.91	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Carbon tetrachloride	<4.7		4.7	1.0	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Benzene	<4.7		4.7	0.51	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
1,2-Dichloroethane	<4.7		4.7	0.48	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Trichloroethene	<4.7		4.7	0.76	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
1,2-Dichloropropane	<4.7		4.7	1.1	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Bromodichloromethane	<4.7		4.7	0.72	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
cis-1,3-Dichloropropene	<4.7		4.7	0.54	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
methyl isobutyl ketone	<4.7		4.7	0.80	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Toluene	<4.7		4.7	0.91	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
trans-1,3-Dichloropropene	<4.7		4.7	1.1	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
1,1,2-Trichloroethane	<4.7		4.7	0.63	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Tetrachloroethene	<4.7		4.7	0.90	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
2-Hexanone	<4.7		4.7	0.67	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Dibromochloromethane	<4.7		4.7	0.65	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Chlorobenzene	<4.7		4.7	0.74	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Ethylbenzene	<4.7		4.7	0.71	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Styrene	<4.7		4.7	0.59	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Bromoform	<4.7		4.7	0.76	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
1,1,2,2-Tetrachloroethane	<4.7		4.7	0.64	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
Xylenes, Total	<9.4		9.4	0.66	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1
1,3-Dichloropropene, Total	<4.7		4.7	0.54	ug/Kg	*	07/11/11 13:35	07/13/11 14:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		69 - 120	07/11/11 13:35	07/13/11 14:07	1
Toluene-d8 (Surr)	106		69 - 122	07/11/11 13:35	07/13/11 14:07	1
4-Bromofluorobenzene (Surr)	102		67 - 120	07/11/11 13:35	07/13/11 14:07	1
Dibromofluoromethane	107		69 - 120	07/11/11 13:35	07/13/11 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.1	ug/Kg	*	07/14/11 07:05	07/15/11 21:52	1
Acenaphthylene	<39		39	6.1	ug/Kg	*	07/14/11 07:05	07/15/11 21:52	1
Acenaphthene	<39		39	8.2	ug/Kg	*	07/14/11 07:05	07/15/11 21:52	1
Fluorene	<39		39	7.5	ug/Kg	*	07/14/11 07:05	07/15/11 21:52	1
Phenanthrene	41		39	7.7	ug/Kg	*	07/14/11 07:05	07/15/11 21:52	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1232B02(4-6)

Lab Sample ID: 500-36452-9

Date Collected: 07/11/11 13:35

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<39		39	7.2	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Fluoranthene	72		39	7.3	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Pyrene	64		39	14	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Benzo[a]anthracene	33	J	39	8.5	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Chrysene	46		39	13	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Benzo[b]fluoranthene	41		39	8.2	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Benzo[k]fluoranthene	24	J	39	9.2	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Benzo[a]pyrene	34	J	39	7.6	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Indeno[1,2,3-cd]pyrene	23	J	39	10	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Dibenz(a,h)anthracene	<39		39	10	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Benzo[g,h,i]perylene	27	J	39	9.6	ug/Kg	☼	07/14/11 07:05	07/15/11 21:52	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		22 - 110				07/14/11 07:05	07/15/11 21:52	1
2-Fluorobiphenyl	62		27 - 113				07/14/11 07:05	07/15/11 21:52	1
Terphenyl-d14	87		33 - 129				07/14/11 07:05	07/15/11 21:52	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		0.57	0.080	mg/Kg	☼	07/12/11 15:10	07/16/11 04:57	1
Barium	68		0.57	0.032	mg/Kg	☼	07/12/11 15:10	07/16/11 04:57	1
Cadmium	0.23		0.11	0.016	mg/Kg	☼	07/12/11 15:10	07/16/11 04:57	1
Chromium	16		0.57	0.049	mg/Kg	☼	07/12/11 15:10	07/16/11 04:57	1
Lead	13		0.29	0.14	mg/Kg	☼	07/12/11 15:10	07/16/11 04:57	1
Selenium	<0.57		0.57	0.16	mg/Kg	☼	07/12/11 15:10	07/16/11 04:57	1
Silver	<0.29		0.29	0.036	mg/Kg	☼	07/12/11 15:10	07/16/11 04:57	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		07/16/11 10:30	07/16/11 22:21	1
Barium	0.50		0.50	0.010	mg/L		07/16/11 10:30	07/16/11 22:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 22:21	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 22:21	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 22:21	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 22:21	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 22:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:37	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.019	0.0020	mg/Kg	☼	07/15/11 07:40	07/15/11 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.23		0.200	0.200	SU			07/19/11 15:38	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1232B02D(4-6)

Lab Sample ID: 500-36452-10

Date Collected: 07/11/11 13:35

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 81.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.3		4.3	0.70	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Vinyl chloride	<4.3		4.3	0.60	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Bromomethane	<4.3		4.3	0.92	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Chloroethane	<4.3		4.3	0.90	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
1,1-Dichloroethene	<4.3		4.3	0.68	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Carbon disulfide	<4.3		4.3	0.61	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Acetone	2.7	J	4.3	2.1	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Methylene Chloride	<4.3		4.3	1.2	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
trans-1,2-Dichloroethene	<4.3		4.3	0.61	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Methyl tert-butyl ether	<4.3		4.3	0.64	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
1,1-Dichloroethane	<4.3		4.3	0.68	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
cis-1,2-Dichloroethene	<4.3		4.3	0.63	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Methyl Ethyl Ketone	<4.3		4.3	0.93	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Chloroform	<4.3		4.3	0.79	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
1,1,1-Trichloroethane	<4.3		4.3	0.82	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Carbon tetrachloride	<4.3		4.3	0.93	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Benzene	<4.3		4.3	0.46	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
1,2-Dichloroethane	<4.3		4.3	0.44	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Trichloroethene	<4.3		4.3	0.69	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
1,2-Dichloropropane	<4.3		4.3	0.97	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Bromodichloromethane	<4.3		4.3	0.65	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
cis-1,3-Dichloropropene	<4.3		4.3	0.49	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
methyl isobutyl ketone	<4.3		4.3	0.73	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Toluene	<4.3		4.3	0.83	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
trans-1,3-Dichloropropene	<4.3		4.3	0.97	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
1,1,2-Trichloroethane	<4.3		4.3	0.57	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Tetrachloroethene	<4.3		4.3	0.81	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
2-Hexanone	<4.3		4.3	0.61	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Dibromochloromethane	<4.3		4.3	0.59	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Chlorobenzene	<4.3		4.3	0.68	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Ethylbenzene	<4.3		4.3	0.64	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Styrene	<4.3		4.3	0.54	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Bromoform	<4.3		4.3	0.69	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
1,1,2,2-Tetrachloroethane	<4.3		4.3	0.58	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
Xylenes, Total	<8.6		8.6	0.60	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1
1,3-Dichloropropene, Total	<4.3		4.3	0.49	ug/Kg	*	07/11/11 13:35	07/14/11 09:57	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		69 - 120	07/11/11 13:35	07/14/11 09:57	1
Toluene-d8 (Surr)	105		69 - 122	07/11/11 13:35	07/14/11 09:57	1
4-Bromofluorobenzene (Surr)	103		67 - 120	07/11/11 13:35	07/14/11 09:57	1
Dibromofluoromethane	107		69 - 120	07/11/11 13:35	07/14/11 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.1	ug/Kg	*	07/14/11 07:05	07/15/11 22:13	1
Acenaphthylene	<39		39	6.1	ug/Kg	*	07/14/11 07:05	07/15/11 22:13	1
Acenaphthene	<39		39	8.2	ug/Kg	*	07/14/11 07:05	07/15/11 22:13	1
Fluorene	<39		39	7.5	ug/Kg	*	07/14/11 07:05	07/15/11 22:13	1
Phenanthrene	42		39	7.7	ug/Kg	*	07/14/11 07:05	07/15/11 22:13	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1232B02D(4-6)

Lab Sample ID: 500-36452-10

Date Collected: 07/11/11 13:35

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<39		39	7.2	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Fluoranthene	51		39	7.3	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Pyrene	52		39	13	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Benzo[a]anthracene	24	J	39	8.4	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Chrysene	38	J	39	13	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Benzo[b]fluoranthene	32	J	39	8.1	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Benzo[k]fluoranthene	13	J	39	9.2	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Benzo[a]pyrene	26	J	39	7.5	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Indeno[1,2,3-cd]pyrene	20	J	39	10	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Dibenz(a,h)anthracene	<39		39	9.9	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Benzo[g,h,i]perylene	26	J	39	9.6	ug/Kg	☼	07/14/11 07:05	07/15/11 22:13	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	63		22 - 110				07/14/11 07:05	07/15/11 22:13	1
2-Fluorobiphenyl	70		27 - 113				07/14/11 07:05	07/15/11 22:13	1
Terphenyl-d14	100		33 - 129				07/14/11 07:05	07/15/11 22:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.6		0.59	0.083	mg/Kg	☼	07/12/11 15:10	07/16/11 05:03	1
Barium	67		0.59	0.033	mg/Kg	☼	07/12/11 15:10	07/16/11 05:03	1
Cadmium	0.26		0.12	0.016	mg/Kg	☼	07/12/11 15:10	07/16/11 05:03	1
Chromium	19		0.59	0.050	mg/Kg	☼	07/12/11 15:10	07/16/11 05:03	1
Lead	14		0.30	0.14	mg/Kg	☼	07/12/11 15:10	07/16/11 05:03	1
Selenium	<0.59		0.59	0.17	mg/Kg	☼	07/12/11 15:10	07/16/11 05:03	1
Silver	<0.30		0.30	0.037	mg/Kg	☼	07/12/11 15:10	07/16/11 05:03	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		07/16/11 10:30	07/16/11 22:28	1
Barium	0.42	J	0.50	0.010	mg/L		07/16/11 10:30	07/16/11 22:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 22:28	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 22:28	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 22:28	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 22:28	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 22:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:39	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.019	0.0019	mg/Kg	☼	07/15/11 07:40	07/15/11 10:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.21		0.200	0.200	SU			07/19/11 15:41	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Debra Tarent
 Contact: E.E
 Company: E.E
 Address: 32 W. Mainville St. Suite 550
Wilmington, IL 60602
 Phone: 312 576 9243
 Fax: 312 576 9345
 E-Mail: ttarent@e.e.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Chain of Custody Record
 Lab Job #: 500-36452
 Chain of Custody Number: E.E. 12-14
 Page 1 of 1
 Temperature °C of Cooler: (3.5)(3.2)

Lab ID	MMSD	Sample ID	Sampler	Client Project #	Client Project Name	Project Location/State	Lab Project #	Lab PM	Sampling		Matrix	Containers #	Preservative	VOC	S.Voc	P.P. Metals	TCLP P.P. + Ba	P.P. Metals + Ba	P.P. Metals + Ba	Wash Disposal	Comments
									Date	Time											
1		E1246B02(4-6)	South Cooper	3153	Ecology - Environment	Irving Park Road	5672	Dick Wright	7-11-11	1005	2 S			X	X	X	X	X	X		
2		E1246B01(2-4)							7-11-11	1025	3 S			X	X	X	X	X	X		
3		E1245B03(4-6)							7-11-11	1100	2 S			X	X	X	X	X	X		
4		E1245B02(2-4)							7-11-11	1115	2 S			X	X	X	X	X	X		
5		E1245B01(0-2)							7-11-11	1145	3 S			X	X	X	X	X	X		
6		E1227B01(0-2)							7-11-11	1440	2 S			X	X	X	X	X	X		
7		E1227B01(6-8)							7-11-11	1450	2 S			X	X	X	X	X	X		

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

Requested Due Date _____

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

Relinquished By: SKJ Company: E.E Date: 7-11-11 Time: 1500

Relinquished By: JKT Company: TA Date: 7-12-11 Time: 0630

Relinquished By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: TA

Shipped: _____

Hand Delivered: _____

Client Comments: _____

Lab Comments: _____

Matrix Key:
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air

Matrix Key:
 SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-36452
 Chain of Custody Number: EE6-12-15
 Page 1 of 1
 Temperature °C of Cooler: _____

Report To: _____
 Contact: Debra Tribbett
 Company: C.E.
 Address: 33 W. Monroe St. East St.
 Address: Chicago, IL 60607
 Phone: 312.576.9247
 Fax: 312.576.9345
 E-Mail: dttribbett@ce.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Lab ID	NS/MSD	Sampler	Project Location/State	Client Project #	Preservative	Parameter	Matrix	Sampling		Containers	# of Containers	Date	Time	Comments
								Date	Time					
8		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1245	3	S	X	X	Wash Disposal
9		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1335	2	S	X	X	Wash Disposal
10		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1335	2	S	X	X	Wash Disposal
11		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1355	2	S	X	X	Wash Disposal
12		Scott Cooper	DuPage County, IL	3133 VI 12-01	Voc	PAH	X	7-11-11	1410	3	S	X	X	Wash Disposal

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

Requested Due Date: _____

Sample Disposal: Return to Client Disposal by Lab

Archive for: _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Retransmitted By: <u>ATB</u>	Company: <u>C.E.</u>	Date: <u>7-11-11</u>	Time: <u>1500</u>
Relinquished By: <u>ATB</u>	Company: <u>C.E.</u>	Date: <u>7-11-11</u>	Time: <u>1500</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____

Received By: <u>ATB</u>	Company: <u>C.E.</u>	Date: <u>7-11-11</u>	Time: <u>1500</u>
Received By: <u>ATB</u>	Company: <u>C.E.</u>	Date: <u>7-11-11</u>	Time: <u>1500</u>
Received By: _____	Company: _____	Date: _____	Time: _____

Lab Counter: TA

Shipped: _____

Hand Delivered: _____

Client Comments: _____

Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96379 Longitude: -87.93986
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434145164 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96379 Longitude: -87.93986

Uncontaminated Site 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 E1245B01 and E1245B03 were sampled within the construction zone adjacent to ISGS #1583V-45: Vacant Building. Refer to PSI Report for ISGS #1583V-45: Vacant Building including Table 4-5, and Figure 4-5A.

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

See attached data summary table and associated laboratory data package J36452.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman
Printed Name:


Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/13/15
Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-45 (Vacant Building)		Comparison Criteria			
	E1245B01	E1245B03	MACs			TACO SCGIER
BORING						
SAMPLE	E1245B01(0-2)	E1245B03 (4-6)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil	Soil				
DEPTH (m)	0.0-0.6	1.2-1.8				
pH	8.28	7.73				
VOCs (µg/kg)						
Acetone	5.5	11	25,000	--	--	--
SVOCs (µg/kg)						
Acenaphthene	14 J	15 J	570,000	--	--	--
Acenaphthylene	7.5 J	19 J	85,000	--	--	--
Anthracene	43	48	12,000,000	--	--	--
Benzo[a]anthracene	370	250	900	1,800	1,100	--
Benzo[a]pyrene	380 †	220 †	90	2,100	1,300	--
Benzo[b]fluoranthene	460	280	900	2,100	1,500	--
Benzo[g,h,i]perylene	280	150	2,300,000	--	--	--
Benzo[k]fluoranthene	250	130	9,000	--	--	--
Bis(2-ethylhexyl) phthalate	39 J	ND U	46,000	--	--	--
Carbazole	41 J	ND U	600	--	--	--
Chrysene	410	250	88,000	--	--	--
Dibenzo(a,h)anthracene	130 †	33 J	90	420	200	--
Fluoranthene	680	520	3,100,000	--	--	--
Fluorene	18 J	39 J	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	250	130	900	1,600	900	--
Phenanthrene	310	250	210,000	--	--	--
Pyrene	630	420	2,300,000	--	--	--
Inorganics (mg/kg)						
Antimony	0.34 J	0.40 J	5	--	--	0.006
Arsenic	9.0	8.5	11.3	13	--	0.05
Barium	77	80	1,500	--	--	2
Beryllium	0.84	0.70	22	--	--	0.004
Cadmium	0.12	0.36	5.2	--	--	0.005
Chromium	23 †	19	21	--	--	0.1
Copper	29	28	2,900	--	--	0.65
Lead	20	18	107	--	--	0.0075
Mercury	0.046	0.040	0.89	--	--	0.002
Nickel	33 ^	28 ^	100	--	--	0.1
Selenium	ND U	0.42 J	1.3	--	--	0.05
Thallium	0.50 J	ND U	2.6	--	--	0.002
Zinc	60	58	5,100	--	--	5
TCLP Metals (mg/L)						
Barium	0.39 J	0.57	1,500	--	--	2
Nickel	ND U	0.010 J	100	--	--	0.1
Zinc	0.024 J B	0.037 J B	5,100	--	--	5

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36452-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/20/2011 10:38:52 AM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

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Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Job ID: 500-36452-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-36452-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 500-119382 exceeded control limits for the following analyte: 1,1-Dichloroethane. All analytes in the laboratory control sample (LCS) were within control limits. All %RPD values were within control limits.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 119382 recovered 1,1-Dichloroethane below the in-house generated QC limits. The laboratory control sample (LCS) was within limits.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: E1232B03(0-2) (500-36452-11). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 07/14/2011 at 18:25 did not meet control limits for Aroclor 1260 on the confirmation column (Rtx-Clp2). Sample matrix is suspected to have contributed to this failure.

Method(s) 8081A: The continuing calibration verification (CCV) for Toxaphene recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Chlordane (technical) and Methoxychlor. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The matrix (MS) recoveries for batch 119639 were outside control limits for Heptachlor epoxide and gamma-BHC (Lindane). The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The ICB for AD batch 119567 was slightly outside acceptance limit for Ni. All other CCB's were within acceptance limits. The samples were reported.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1245B03 (4-6)

Lab Sample ID: 500-36452-3

Date Collected: 07/11/11 11:00

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 76.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.0		5.0	0.83	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Vinyl chloride	<5.0		5.0	0.70	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Bromomethane	<5.0		5.0	1.1	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Chloroethane	<5.0		5.0	1.1	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
1,1-Dichloroethene	<5.0		5.0	0.80	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Carbon disulfide	<5.0		5.0	0.71	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Acetone	11		5.0	2.5	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Methylene Chloride	<5.0		5.0	1.4	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
trans-1,2-Dichloroethene	<5.0		5.0	0.71	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Methyl tert-butyl ether	<5.0		5.0	0.75	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
1,1-Dichloroethane	<5.0		5.0	0.80	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
cis-1,2-Dichloroethene	<5.0		5.0	0.73	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Methyl Ethyl Ketone	<5.0		5.0	1.1	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Chloroform	<5.0		5.0	0.93	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
1,1,1-Trichloroethane	<5.0		5.0	0.97	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Carbon tetrachloride	<5.0		5.0	1.1	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Benzene	<5.0		5.0	0.54	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
1,2-Dichloroethane	<5.0		5.0	0.51	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Trichloroethene	<5.0		5.0	0.82	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
1,2-Dichloropropane	<5.0		5.0	1.1	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Bromodichloromethane	<5.0		5.0	0.76	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
cis-1,3-Dichloropropene	<5.0		5.0	0.57	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
methyl isobutyl ketone	<5.0		5.0	0.86	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Toluene	<5.0		5.0	0.98	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
trans-1,3-Dichloropropene	<5.0		5.0	1.1	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
1,1,2-Trichloroethane	<5.0		5.0	0.67	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Tetrachloroethene	<5.0		5.0	0.96	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
2-Hexanone	<5.0		5.0	0.71	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Dibromochloromethane	<5.0		5.0	0.69	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Chlorobenzene	<5.0		5.0	0.80	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Ethylbenzene	<5.0		5.0	0.75	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Styrene	<5.0		5.0	0.63	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Bromoform	<5.0		5.0	0.82	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
1,1,2,2-Tetrachloroethane	<5.0		5.0	0.68	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
Xylenes, Total	<10		10	0.70	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1
1,3-Dichloropropene, Total	<5.0		5.0	0.57	ug/Kg	*	07/11/11 11:00	07/13/11 16:13	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		69 - 120	07/11/11 11:00	07/13/11 16:13	1
Toluene-d8 (Surr)	109		69 - 122	07/11/11 11:00	07/13/11 16:13	1
4-Bromofluorobenzene (Surr)	98		67 - 120	07/11/11 11:00	07/13/11 16:13	1
Dibromofluoromethane	96		69 - 120	07/11/11 11:00	07/13/11 16:13	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	95	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2,4,6-Trichlorophenol	<420		420	92	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2,4-Dichlorophenol	<420		420	54	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2,4-Dimethylphenol	<420		420	140	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2,4-Dinitrophenol	<860		860	310	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1245B03 (4-6)

Lab Sample ID: 500-36452-3

Date Collected: 07/11/11 11:00

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 76.6

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<210		210	44	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2,6-Dinitrotoluene	<210		210	29	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2-Chloronaphthalene	<210		210	17	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2-Chlorophenol	<210		210	22	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2-Methylnaphthalene	<210		210	17	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2-Methylphenol	<210		210	32	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2-Nitroaniline	<210		210	25	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2-Nitrophenol	<420		420	130	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
3,3'-Dichlorobenzidine	<210		210	31	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
3-Nitroaniline	<420		420	74	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
4,6-Dinitro-2-methylphenol	<420		420	80	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
4-Bromophenyl phenyl ether	<210		210	26	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
4-Chloro-3-methylphenol	<420		420	100	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
4-Chloroaniline	<860		860	130	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
4-Chlorophenyl phenyl ether	<210		210	47	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
4-Nitroaniline	<420		420	73	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
4-Nitrophenol	<860		860	340	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Acenaphthene	15	J	42	8.9	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Acenaphthylene	19	J	42	6.6	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Anthracene	48		42	7.8	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Benzo[a]anthracene	250		42	9.2	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Benzo[a]pyrene	220		42	8.2	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Benzo[b]fluoranthene	280		42	8.8	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Benzo[g,h,i]perylene	150		42	10	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Benzo[k]fluoranthene	130		42	10	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Bis(2-chloroethoxy)methane	<210		210	17	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Bis(2-chloroethyl)ether	<210		210	25	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Bis(2-ethylhexyl) phthalate	<210		210	23	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Butyl benzyl phthalate	<210		210	36	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Carbazole	<210		210	23	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Chrysene	250		42	14	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Dibenz(a,h)anthracene	33	J	42	11	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Dibenzofuran	<210		210	48	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Diethyl phthalate	<210		210	46	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Dimethyl phthalate	<210		210	19	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Di-n-butyl phthalate	<210		210	24	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Di-n-octyl phthalate	<210		210	34	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
1,3-Dichlorobenzene	<210		210	23	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Fluoranthene	520		42	7.9	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Fluorene	39	J	42	8.1	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Hexachlorobenzene	<86		86	8.2	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Hexachlorobutadiene	<210		210	33	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Hexachlorocyclopentadiene	<860		860	420	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Hexachloroethane	<210		210	32	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Indeno[1,2,3-cd]pyrene	130		42	11	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Isophorone	<210		210	95	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Naphthalene	<42		42	7.7	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
Nitrobenzene	<42		42	10	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
1,4-Dichlorobenzene	<210		210	24	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1
2,2'-oxybis[1-chloropropane]	<210		210	46	ug/Kg	*	07/18/11 16:33	07/19/11 00:21	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1245B03 (4-6)

Lab Sample ID: 500-36452-3

Date Collected: 07/11/11 11:00

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 76.6

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<210		210	30	ug/Kg	☼	07/18/11 16:33	07/19/11 00:21	1
N-Nitrosodiphenylamine	<210		210	23	ug/Kg	☼	07/18/11 16:33	07/19/11 00:21	1
Pentachlorophenol	<860		860	140	ug/Kg	☼	07/18/11 16:33	07/19/11 00:21	1
Phenanthrene	250		42	8.4	ug/Kg	☼	07/18/11 16:33	07/19/11 00:21	1
Phenol	<210		210	45	ug/Kg	☼	07/18/11 16:33	07/19/11 00:21	1
Pyrene	420		42	15	ug/Kg	☼	07/18/11 16:33	07/19/11 00:21	1
1,2-Dichlorobenzene	<210		210	23	ug/Kg	☼	07/18/11 16:33	07/19/11 00:21	1
1,2,4-Trichlorobenzene	<210		210	26	ug/Kg	☼	07/18/11 16:33	07/19/11 00:21	1
3 & 4 Methylphenol	<210		210	43	ug/Kg	☼	07/18/11 16:33	07/19/11 00:21	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		27 - 113	07/18/11 16:33	07/19/11 00:21	1
2-Fluorophenol	67		30 - 110	07/18/11 16:33	07/19/11 00:21	1
Nitrobenzene-d5	64		22 - 110	07/18/11 16:33	07/19/11 00:21	1
Phenol-d5	75		26 - 112	07/18/11 16:33	07/19/11 00:21	1
2,4,6-Tribromophenol	107		30 - 137	07/18/11 16:33	07/19/11 00:21	1
Terphenyl-d14	85		33 - 129	07/18/11 16:33	07/19/11 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<21		21	4.9	ug/Kg	☼	07/13/11 21:23	07/14/11 17:28	1
PCB-1221	<21		21	7.8	ug/Kg	☼	07/13/11 21:23	07/14/11 17:28	1
PCB-1232	<21		21	7.1	ug/Kg	☼	07/13/11 21:23	07/14/11 17:28	1
PCB-1242	<21		21	6.3	ug/Kg	☼	07/13/11 21:23	07/14/11 17:28	1
PCB-1248	<21		21	7.0	ug/Kg	☼	07/13/11 21:23	07/14/11 17:28	1
PCB-1254	<21		21	6.4	ug/Kg	☼	07/13/11 21:23	07/14/11 17:28	1
PCB-1260	<21		21	6.7	ug/Kg	☼	07/13/11 21:23	07/14/11 17:28	1
Polychlorinated biphenyls, Total	<21		21	4.9	ug/Kg	☼	07/13/11 21:23	07/14/11 17:28	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		28 - 124	07/13/11 21:23	07/14/11 17:28	1
DCB Decachlorobiphenyl	74		38 - 130	07/13/11 21:23	07/14/11 17:28	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 10:30	07/16/11 21:30	1
Barium	0.57		0.50	0.010	mg/L		07/16/11 10:30	07/16/11 21:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 21:30	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:30	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:30	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 21:30	1
Nickel	0.010	J	0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:30	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:30	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 21:30	1
Zinc	0.037	J B	0.10	0.020	mg/L		07/16/11 10:30	07/16/11 21:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.40	J	1.2	0.14	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Arsenic	8.5		0.60	0.084	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1245B03 (4-6)

Lab Sample ID: 500-36452-3

Date Collected: 07/11/11 11:00

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 76.6

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.70		0.24	0.012	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Cadmium	0.36		0.12	0.016	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Chromium	19		0.60	0.051	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Copper	28		0.60	0.084	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Lead	18		0.30	0.14	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Nickel	28	^	0.60	0.040	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Selenium	0.42	J	0.60	0.17	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Thallium	<0.60		0.60	0.20	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Zinc	58		1.2	0.096	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1
Barium	80		0.60	0.034	mg/Kg	☼	07/12/11 15:10	07/16/11 04:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 10:30	07/19/11 13:42	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 10:30	07/19/11 13:42	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:19	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.020	0.0020	mg/Kg	☼	07/15/11 07:40	07/15/11 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.73		0.200	0.200	SU			07/19/11 15:22	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1245B01(0-2)

Lab Sample ID: 500-36452-5

Date Collected: 07/11/11 11:45

Matrix: Solid

Date Received: 07/11/11 15:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/15/11 23:43	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/15/11 23:43	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/15/11 23:43	20
Chloroform	<0.020		0.020	0.010	mg/L			07/15/11 23:43	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/15/11 23:43	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/15/11 23:43	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/15/11 23:43	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/15/11 23:43	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/15/11 23:43	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/15/11 23:43	20

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		77 - 124		07/15/11 23:43	20
Toluene-d8 (Surr)	96		80 - 121		07/15/11 23:43	20
4-Bromofluorobenzene (Surr)	96		77 - 112		07/15/11 23:43	20
Dibromofluoromethane	96		78 - 119		07/15/11 23:43	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.7		4.7	0.77	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Vinyl chloride	<4.7		4.7	0.66	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Bromomethane	<4.7		4.7	1.0	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Chloroethane	<4.7		4.7	0.99	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
1,1-Dichloroethene	<4.7		4.7	0.74	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Carbon disulfide	<4.7		4.7	0.67	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Acetone	5.5		4.7	2.3	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Methylene Chloride	<4.7		4.7	1.3	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
trans-1,2-Dichloroethene	<4.7		4.7	0.67	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Methyl tert-butyl ether	<4.7		4.7	0.70	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
1,1-Dichloroethane	<4.7		4.7	0.74	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
cis-1,2-Dichloroethene	<4.7		4.7	0.69	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Methyl Ethyl Ketone	<4.7		4.7	1.0	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Chloroform	<4.7		4.7	0.86	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
1,1,1-Trichloroethane	<4.7		4.7	0.90	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Carbon tetrachloride	<4.7		4.7	1.0	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Benzene	<4.7		4.7	0.51	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
1,2-Dichloroethane	<4.7		4.7	0.48	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Trichloroethene	<4.7		4.7	0.76	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
1,2-Dichloropropane	<4.7		4.7	1.1	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Bromodichloromethane	<4.7		4.7	0.71	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
cis-1,3-Dichloropropene	<4.7		4.7	0.54	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
methyl isobutyl ketone	<4.7		4.7	0.80	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Toluene	<4.7		4.7	0.91	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
trans-1,3-Dichloropropene	<4.7		4.7	1.1	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
1,1,2-Trichloroethane	<4.7		4.7	0.63	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Tetrachloroethene	<4.7		4.7	0.89	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
2-Hexanone	<4.7		4.7	0.67	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Dibromochloromethane	<4.7		4.7	0.65	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Chlorobenzene	<4.7		4.7	0.74	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1
Ethylbenzene	<4.7		4.7	0.70	ug/Kg	*	07/11/11 11:45	07/13/11 17:02	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1245B01(0-2)

Lab Sample ID: 500-36452-5

Date Collected: 07/11/11 11:45

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 84.2

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.7		4.7	0.59	ug/Kg	☼	07/11/11 11:45	07/13/11 17:02	1
Bromoform	<4.7		4.7	0.76	ug/Kg	☼	07/11/11 11:45	07/13/11 17:02	1
1,1,2,2-Tetrachloroethane	<4.7		4.7	0.64	ug/Kg	☼	07/11/11 11:45	07/13/11 17:02	1
Xylenes, Total	<9.4		9.4	0.66	ug/Kg	☼	07/11/11 11:45	07/13/11 17:02	1
1,3-Dichloropropene, Total	<4.7		4.7	0.54	ug/Kg	☼	07/11/11 11:45	07/13/11 17:02	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		69 - 120	07/11/11 11:45	07/13/11 17:02	1
Toluene-d8 (Surr)	105		69 - 122	07/11/11 11:45	07/13/11 17:02	1
4-Bromofluorobenzene (Surr)	101		67 - 120	07/11/11 11:45	07/13/11 17:02	1
Dibromofluoromethane	107		69 - 120	07/11/11 11:45	07/13/11 17:02	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	87	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2,4,6-Trichlorophenol	<390		390	84	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2,4-Dichlorophenol	<390		390	50	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2,4-Dimethylphenol	<390		390	130	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2,4-Dinitrophenol	<790		790	290	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2,4-Dinitrotoluene	<200		200	40	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2,6-Dinitrotoluene	<200		200	26	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2-Chloronaphthalene	<200		200	16	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2-Chlorophenol	<200		200	20	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2-Methylnaphthalene	<200		200	15	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2-Methylphenol	<200		200	29	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2-Nitroaniline	<200		200	23	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2-Nitrophenol	<390		390	120	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
3,3'-Dichlorobenzidine	<200		200	29	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
3-Nitroaniline	<390		390	68	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
4,6-Dinitro-2-methylphenol	<390		390	74	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
4-Bromophenyl phenyl ether	<200		200	24	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
4-Chloro-3-methylphenol	<390		390	96	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
4-Chloroaniline	<790		790	120	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
4-Chlorophenyl phenyl ether	<200		200	43	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
4-Nitroaniline	<390		390	67	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
4-Nitrophenol	<790		790	320	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Acenaphthene	14	J	39	8.2	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Acenaphthylene	7.5	J	39	6.1	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Anthracene	43		39	7.2	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Benzo[a]anthracene	370		39	8.4	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Benzo[a]pyrene	380		39	7.5	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Benzo[b]fluoranthene	460		39	8.1	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Benzo[g,h,i]perylene	280		39	9.5	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Benzo[k]fluoranthene	250		39	9.2	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Bis(2-chloroethoxy)methane	<200		200	16	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Bis(2-chloroethyl)ether	<200		200	23	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Bis(2-ethylhexyl) phthalate	39	J	200	21	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Butyl benzyl phthalate	<200		200	33	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Carbazole	41	J	200	22	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Chrysene	410		39	13	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1245B01(0-2)

Lab Sample ID: 500-36452-5

Date Collected: 07/11/11 11:45

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 84.2

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	130		39	9.9	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Dibenzofuran	<200		200	44	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Diethyl phthalate	<200		200	43	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Dimethyl phthalate	<200		200	17	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Di-n-butyl phthalate	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Di-n-octyl phthalate	<200		200	31	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
1,3-Dichlorobenzene	<200		200	21	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Fluoranthene	680		39	7.3	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Fluorene	18	J	39	7.5	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Hexachlorobenzene	<79		79	7.6	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Hexachlorobutadiene	<200		200	30	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Hexachlorocyclopentadiene	<790		790	390	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Hexachloroethane	<200		200	30	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Indeno[1,2,3-cd]pyrene	250		39	10	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Isophorone	<200		200	87	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Naphthalene	<39		39	7.1	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Nitrobenzene	<39		39	9.5	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
1,4-Dichlorobenzene	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
2,2'-oxybis[1-chloropropane]	<200		200	42	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
N-Nitrosodi-n-propylamine	<200		200	27	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
N-Nitrosodiphenylamine	<200		200	21	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Pentachlorophenol	<790		790	130	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Phenanthrene	310		39	7.7	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Phenol	<200		200	41	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Pyrene	630		39	13	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
1,2-Dichlorobenzene	<200		200	21	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
1,2,4-Trichlorobenzene	<200		200	24	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
3 & 4 Methylphenol	<200		200	39	ug/Kg	☼	07/18/11 16:33	07/19/11 16:17	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		27 - 113				07/18/11 16:33	07/19/11 16:17	1
2-Fluorophenol	68		30 - 110				07/18/11 16:33	07/19/11 16:17	1
Nitrobenzene-d5	71		22 - 110				07/18/11 16:33	07/19/11 16:17	1
Phenol-d5	73		26 - 112				07/18/11 16:33	07/19/11 16:17	1
2,4,6-Tribromophenol	117		30 - 137				07/18/11 16:33	07/19/11 16:17	1
Terphenyl-d14	85		33 - 129				07/18/11 16:33	07/19/11 16:17	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:57	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:57	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:57	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:57	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:57	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:57	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:57	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 17:57	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 07:30	07/19/11 17:57	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 17:57	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:57	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1245B01(0-2)

Lab Sample ID: 500-36452-5

Date Collected: 07/11/11 11:45

Matrix: Solid

Date Received: 07/11/11 15:00

Method: 8270C - TCLP Semivolatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:57	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	46		20 - 100				07/18/11 07:30	07/19/11 17:57	1
Phenol-d5	30		20 - 100				07/18/11 07:30	07/19/11 17:57	1
Nitrobenzene-d5	82		39 - 110				07/18/11 07:30	07/19/11 17:57	1
2-Fluorobiphenyl	86		44 - 110				07/18/11 07:30	07/19/11 17:57	1
2,4,6-Tribromophenol	91		46 - 126				07/18/11 07:30	07/19/11 17:57	1
Terphenyl-d14	93		52 - 131				07/18/11 07:30	07/19/11 17:57	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/18/11 22:43	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 22:43	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 22:43	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 22:43	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 22:43	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/18/11 22:43	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/18/11 07:35	07/18/11 22:43	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		36 - 126				07/18/11 07:35	07/18/11 22:43	1
Tetrachloro-m-xylene	77		42 - 120				07/18/11 07:35	07/18/11 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	07/13/11 21:23	07/14/11 17:57	1
PCB-1221	<19		19	7.2	ug/Kg	☼	07/13/11 21:23	07/14/11 17:57	1
PCB-1232	<19		19	6.6	ug/Kg	☼	07/13/11 21:23	07/14/11 17:57	1
PCB-1242	<19		19	5.8	ug/Kg	☼	07/13/11 21:23	07/14/11 17:57	1
PCB-1248	<19		19	6.5	ug/Kg	☼	07/13/11 21:23	07/14/11 17:57	1
PCB-1254	<19		19	6.0	ug/Kg	☼	07/13/11 21:23	07/14/11 17:57	1
PCB-1260	<19		19	6.2	ug/Kg	☼	07/13/11 21:23	07/14/11 17:57	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	☼	07/13/11 21:23	07/14/11 17:57	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		28 - 124				07/13/11 21:23	07/14/11 17:57	1
DCB Decachlorobiphenyl	74		38 - 130				07/13/11 21:23	07/14/11 17:57	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/18/11 07:45	07/19/11 05:08	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/18/11 07:45	07/19/11 05:08	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	78		30 - 110				07/18/11 07:45	07/19/11 05:08	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 10:30	07/16/11 21:42	1
Barium	0.39	J	0.50	0.010	mg/L		07/16/11 10:30	07/16/11 21:42	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1245B01(0-2)

Lab Sample ID: 500-36452-5

Date Collected: 07/11/11 11:45

Matrix: Solid

Date Received: 07/11/11 15:00

Method: 6010B - PPL+Ba Metals - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 21:42	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:42	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:42	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 21:42	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:42	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:42	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 21:42	1
Zinc	0.024	J B	0.10	0.020	mg/L		07/16/11 10:30	07/16/11 21:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.34	J	1.2	0.13	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Arsenic	9.0		0.58	0.081	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Beryllium	0.84		0.23	0.012	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Cadmium	0.12		0.12	0.016	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Chromium	23		0.58	0.049	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Copper	29		0.58	0.081	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Lead	20		0.29	0.14	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Nickel	33	^	0.58	0.038	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Selenium	<0.58		0.58	0.16	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Silver	<0.29		0.29	0.036	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Thallium	0.50	J	0.58	0.20	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Zinc	60		1.2	0.093	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1
Barium	77		0.58	0.032	mg/Kg	☼	07/12/11 15:10	07/16/11 04:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 10:30	07/19/11 13:43	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 10:30	07/19/11 13:43	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:25	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.018	0.0019	mg/Kg	☼	07/15/11 07:40	07/15/11 10:33	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/16/11 13:20	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<48		48	5.6	mg/Kg		07/14/11 10:14	07/14/11 12:45	1
Cyanide, Reactive	<0.34		0.34	0.086	mg/Kg		07/12/11 18:00	07/12/11 20:58	1
pH	8.28		0.200	0.200	SU			07/19/11 15:27	1
Paint Filter	pass				mL/100g			07/16/11 11:50	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Dean Tarent
 Contact: E.E
 Company: E.E
 Address: 32 W. Mainville St. Suite 550
Wilmington, IL 60402
 Phone: 312.576.9243
 Fax: 312.576.9345
 E-Mail: ttarent@e.e.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#: _____

Chain of Custody Record
 Lab Job #: 500-36452
 Chain of Custody Number: E.E. 12-14
 Page 1 of 1
 Temperature °C of Cooler: (3.5)(3.2)

Lab ID	MMSD	Sample ID	Sampler	Client Project #	Preservative	Sampling		Matrix	Containers #	Parameter	Voc	S.Voc	P.P. Metals	TCLP P.P. + Ba	P.P. Metals + Ba	P.P. Metals + Ba	Wash Disposal	Comments
						Date	Time											
1		E1246B02(4-6)	Dick Wright	3153. WZ12.01		7-11-11	1005	2 S	2		X	X	X	X	X	X		
2		E1246B01(2-4)				7-11-11	1025	3 S	3		X	X	X	X	X	X		
3		E1245B03(4-6)				7-11-11	1100	2 S	2		X	X	X	X	X	X		
4		E1245B02(2-4)				7-11-11	1115	2 S	2		X	X	X	X	X	X		
5		E1245B01(0-2)				7-11-11	1145	3 S	3		X	X	X	X	X	X		
6		E1227B01(0-2)				7-11-11	1440	2 S	2		X	X	X	X	X	X		
7		E1227B01(6-8)				7-11-11	1450	2 S	2		X	X	X	X	X	X		

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

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

Relinquished By: [Signature] Company: E.E Date: 7-11-11 Time: 1500
 Relinquished By: [Signature] Company: E.E Date: 7-11-11 Time: 1500
 Relinquished By: [Signature] Company: E.E Date: 7-11-11 Time: 1500

Received By: [Signature] Company: TA Date: 7-11-11 Time: 1500
 Received By: [Signature] Company: TA Date: 7-12-11 Time: 0630
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

Matrix Key:
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air

SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-36452
 Chain of Custody Number: EE6-12-15
 Page 1 of 1
 Temperature °C of Cooler: _____

Report To: _____ (optional)
 Contact: Debra Tribbett
 Company: C.E.
 Address: 33 W. Monroe St. East St.
 Address: Chicago, IL 60607
 Phone: 312.576.9247
 Fax: 312.576.9345
 E-Mail: dttribbett@ce.com

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

Lab ID	NS/MSD	Sampler	Project Location/State	Client Project #	Preservative	Parameter	Matrix	Sampling		Archive for	Disposal by Lab	Return to Client	Sample Disposal	Received By	Time	Date	Company	Received By	Time	Date	Company	Lab Counter	Shipped	Hand Delivered	Comments
								Date	Time																
8		Scott Cooper	DuPage County, IL	3133 VI 12-01		PAH	3 S	7-11-11	1245	X	X	X	X	X	1500	7-11-11	C.E.	X	1500	7-11-11	TA				Wash Disposal
9		Scott Cooper	DuPage County, IL	3133 VI 12-01		VOC	2 S	7-11-11	1335	X	X	X	X	X	1500	7-11-11	C.E.	X	1500	7-11-11	TA				
10		Scott Cooper	DuPage County, IL	3133 VI 12-01		VOC	2 S	7-11-11	1335	X	X	X	X	X	1500	7-11-11	C.E.	X	1500	7-11-11	TA				
11		Scott Cooper	DuPage County, IL	3133 VI 12-01		VOC	2 S	7-11-11	1355	X	X	X	X	X	1500	7-11-11	C.E.	X	1500	7-11-11	TA				
12		Scott Cooper	DuPage County, IL	3133 VI 12-01		VOC	3 S	7-11-11	1410	X	X	X	X	X	1500	7-11-11	C.E.	X	1500	7-11-11	TA				

Turnaround Time Required (Business Days)
 Requested Due Date: _____ 1 Day _____ 2 Days _____ 5 Days _____ 7 Days _____ 10 Days _____ 15 Days _____ Other _____
 (A fee may be assessed if samples are retained longer than 1 month)

Requisitioned By: ATB Company: C.E. Date: 7-11-11 Time: 1500
 Relinquished By: [Signature] Company: C.E. Date: 7-11-11 Time: 1500
 Relinquished By: [Signature] Company: TA Date: 7-12-11 Time: 0630

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
220-222 N. York Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96284 Longitude: -87.93981
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96284 Longitude: -87.93981

Uncontaminated Site 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 E1246B01 and E1246B02 were sampled within the construction zone adjacent to ISGS #1583V-46: Commercial Building. Refer to PSI Report for ISGS #1583V-46: Commercial Building including Table 4-5, and Figure 4-5A.

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

See attached data summary table and associated laboratory data package J36452.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

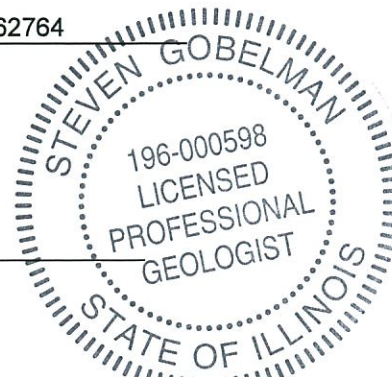
Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:



Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-46 (Commercial Buildings)		Comparison Criteria			
	E1246B01	E1246B02	MACs			TACO SCGIER
BORING	E1246B01 (2-4)	E1246B02 (4-6)	Most Stringent	Within an MSA	Within Chicago	
SAMPLE	Soil	Soil				
MATRIX	0.6-1.2	1.2-1.8				
DEPTH (m)	7.33	8.19				
pH						
VOCs (µg/kg)						
Acetone	ND U	6.8	25,000	--	--	--
SVOCs (µg/kg)						
Acenaphthene	9.0 J	ND U	570,000	--	--	--
Acenaphthylene	12 J	ND U	85,000	--	--	--
Anthracene	20 J	ND U	12,000,000	--	--	--
Benzo[a]anthracene	91	9.8 J	900	1,800	1,100	--
Benzo[a]pyrene	97 †	9.3 J	90	2,100	1,300	--
Benzo[b]fluoranthene	120	20 J	900	2,100	1,500	--
Benzo[g,h,i]perylene	64	14 J	2,300,000	--	--	--
Benzo[k]fluoranthene	41	ND U	9,000	--	--	--
Chrysene	100	15 J	88,000	--	--	--
Fluoranthene	190	21 J	3,100,000	--	--	--
Fluorene	9.3 J	ND U	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	58	10 J	900	1,600	900	--
Phenanthrene	81	9.0 J	210,000	--	--	--
Pyrene	150	18 J	2,300,000	--	--	--
PCBs (µg/kg)						
PCB-1260	ND U	6.7 J	1,000	--	--	--
PCBs, total	ND	6.7	--	--	--	--
Inorganics (mg/kg)						
Antimony	0.26 J	0.21 J	5	--	--	0.006
Arsenic	7.0	6.2	11.3	13	--	0.05
Barium	87	58	1,500	--	--	2
Beryllium	0.84	0.61	22	--	--	0.004
Cadmium	0.13	0.33	5.2	--	--	0.005
Chromium	21	19	21	--	--	0.1
Copper	25	23	2,900	--	--	0.65
Lead	14	15	107	--	--	0.0075
Mercury	0.042	0.024	0.89	--	--	0.002
Nickel	27 ^	27 ^	100	--	--	0.1
Thallium	0.29 J	0.24 J	2.6	--	--	0.002
Zinc	53	46	5,100	--	--	5
TCLP Metals (mg/L)						
Barium	0.20 J	0.49 J	1,500	--	--	2
Mercury	ND U	0.00023 J B	0.89	--	--	0.002
Nickel	ND U	0.011 J	100	--	--	0.1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36452-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/20/2011 10:38:52 AM

Richard Wright
Project Manager II
richard.wright@testamericainc.com



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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Job ID: 500-36452-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-36452-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 500-119382 exceeded control limits for the following analyte: 1,1-Dichloroethane. All analytes in the laboratory control sample (LCS) were within control limits. All %RPD values were within control limits.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 119382 recovered 1,1-Dichloroethane below the in-house generated QC limits. The laboratory control sample (LCS) was within limits.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: E1232B03(0-2) (500-36452-11). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 07/14/2011 at 18:25 did not meet control limits for Aroclor 1260 on the confirmation column (Rtx-Clp2). Sample matrix is suspected to have contributed to this failure.

Method(s) 8081A: The continuing calibration verification (CCV) for Toxaphene recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Chlordane (technical) and Methoxychlor. E1231B01(0-2) (500-36452-12), E1232B01(2-4) (500-36452-8), E1245B01(0-2) (500-36452-5), E1246B01 (2-4) (500-36452-2)

Method(s) 8081A: The matrix (MS) recoveries for batch 119639 were outside control limits for Heptachlor epoxide and gamma-BHC (Lindane). The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The ICB for AD batch 119567 was slightly outside acceptance limit for Ni. All other CCB's were within acceptance limits. The samples were reported.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1246B02 (4-6)

Lab Sample ID: 500-36452-1

Date Collected: 07/11/11 10:05

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 82.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.9		4.9	0.80	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Vinyl chloride	<4.9		4.9	0.68	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Bromomethane	<4.9		4.9	1.0	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Chloroethane	<4.9		4.9	1.0	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
1,1-Dichloroethene	<4.9		4.9	0.77	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Carbon disulfide	<4.9		4.9	0.69	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Acetone	6.8		4.9	2.4	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Methylene Chloride	<4.9		4.9	1.4	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
trans-1,2-Dichloroethene	<4.9		4.9	0.69	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Methyl tert-butyl ether	<4.9		4.9	0.73	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
1,1-Dichloroethane	<4.9		4.9	0.77	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
cis-1,2-Dichloroethene	<4.9		4.9	0.71	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Methyl Ethyl Ketone	<4.9		4.9	1.0	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Chloroform	<4.9		4.9	0.89	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
1,1,1-Trichloroethane	<4.9		4.9	0.93	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Carbon tetrachloride	<4.9		4.9	1.1	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Benzene	<4.9		4.9	0.52	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
1,2-Dichloroethane	<4.9		4.9	0.50	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Trichloroethene	<4.9		4.9	0.79	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
1,2-Dichloropropane	<4.9		4.9	1.1	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Bromodichloromethane	<4.9		4.9	0.74	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
cis-1,3-Dichloropropene	<4.9		4.9	0.55	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
methyl isobutyl ketone	<4.9		4.9	0.83	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Toluene	<4.9		4.9	0.94	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
trans-1,3-Dichloropropene	<4.9		4.9	1.1	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
1,1,2-Trichloroethane	<4.9		4.9	0.65	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Tetrachloroethene	<4.9		4.9	0.92	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
2-Hexanone	<4.9		4.9	0.69	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Dibromochloromethane	<4.9		4.9	0.67	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Chlorobenzene	<4.9		4.9	0.77	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Ethylbenzene	<4.9		4.9	0.73	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Styrene	<4.9		4.9	0.61	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Bromoform	<4.9		4.9	0.79	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
1,1,2,2-Tetrachloroethane	<4.9		4.9	0.66	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
Xylenes, Total	<9.7		9.7	0.68	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1
1,3-Dichloropropene, Total	<4.9		4.9	0.55	ug/Kg	*	07/11/11 10:05	07/13/11 10:18	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		69 - 120	07/11/11 10:05	07/13/11 10:18	1
Toluene-d8 (Surr)	105		69 - 122	07/11/11 10:05	07/13/11 10:18	1
4-Bromofluorobenzene (Surr)	106		67 - 120	07/11/11 10:05	07/13/11 10:18	1
Dibromofluoromethane	107		69 - 120	07/11/11 10:05	07/13/11 10:18	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	90	ug/Kg	*	07/18/11 16:33	07/18/11 23:37	1
2,4,6-Trichlorophenol	<400		400	87	ug/Kg	*	07/18/11 16:33	07/18/11 23:37	1
2,4-Dichlorophenol	<400		400	51	ug/Kg	*	07/18/11 16:33	07/18/11 23:37	1
2,4-Dimethylphenol	<400		400	130	ug/Kg	*	07/18/11 16:33	07/18/11 23:37	1
2,4-Dinitrophenol	<810		810	300	ug/Kg	*	07/18/11 16:33	07/18/11 23:37	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1246B02 (4-6)

Lab Sample ID: 500-36452-1

Date Collected: 07/11/11 10:05

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 82.4

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<200		200	41	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
2,6-Dinitrotoluene	<200		200	27	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
2-Chloronaphthalene	<200		200	16	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
2-Chlorophenol	<200		200	21	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
2-Methylnaphthalene	<200		200	16	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
2-Methylphenol	<200		200	30	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
2-Nitroaniline	<200		200	24	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
2-Nitrophenol	<400		400	120	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
3,3'-Dichlorobenzidine	<200		200	30	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
3-Nitroaniline	<400		400	70	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
4,6-Dinitro-2-methylphenol	<400		400	76	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
4-Bromophenyl phenyl ether	<200		200	25	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
4-Chloro-3-methylphenol	<400		400	98	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
4-Chloroaniline	<810		810	130	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
4-Chlorophenyl phenyl ether	<200		200	44	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
4-Nitroaniline	<400		400	69	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
4-Nitrophenol	<810		810	320	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Acenaphthene	<40		40	8.4	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Acenaphthylene	<40		40	6.3	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Anthracene	<40		40	7.4	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Benzo[a]anthracene	9.8	J	40	8.6	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Benzo[a]pyrene	9.3	J	40	7.7	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Benzo[b]fluoranthene	20	J	40	8.3	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Benzo[g,h,i]perylene	14	J	40	9.8	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Benzo[k]fluoranthene	<40		40	9.4	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Bis(2-chloroethoxy)methane	<200		200	16	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Bis(2-chloroethyl)ether	<200		200	23	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Bis(2-ethylhexyl) phthalate	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Butyl benzyl phthalate	<200		200	34	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Carbazole	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Chrysene	15	J	40	13	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Dibenz(a,h)anthracene	<40		40	10	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Dibenzofuran	<200		200	46	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Diethyl phthalate	<200		200	44	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Dimethyl phthalate	<200		200	18	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Di-n-butyl phthalate	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Di-n-octyl phthalate	<200		200	32	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
1,3-Dichlorobenzene	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Fluoranthene	21	J	40	7.5	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Fluorene	<40		40	7.7	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Hexachlorobenzene	<81		81	7.8	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Hexachlorobutadiene	<200		200	31	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Hexachlorocyclopentadiene	<810		810	400	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Hexachloroethane	<200		200	31	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Indeno[1,2,3-cd]pyrene	10	J	40	10	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Isophorone	<200		200	90	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Naphthalene	<40		40	7.3	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Nitrobenzene	<40		40	9.7	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
1,4-Dichlorobenzene	<200		200	23	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
2,2'-oxybis[1-chloropropane]	<200		200	43	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1246B02 (4-6)

Lab Sample ID: 500-36452-1

Date Collected: 07/11/11 10:05

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 82.4

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<200		200	28	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
N-Nitrosodiphenylamine	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Pentachlorophenol	<810		810	130	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Phenanthrene	9.0	J	40	7.9	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Phenol	<200		200	42	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
Pyrene	18	J	40	14	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
1,2-Dichlorobenzene	<200		200	22	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
1,2,4-Trichlorobenzene	<200		200	25	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1
3 & 4 Methylphenol	<200		200	40	ug/Kg	☼	07/18/11 16:33	07/18/11 23:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	94		27 - 113	07/18/11 16:33	07/18/11 23:37	1
2-Fluorophenol	82		30 - 110	07/18/11 16:33	07/18/11 23:37	1
Nitrobenzene-d5	81		22 - 110	07/18/11 16:33	07/18/11 23:37	1
Phenol-d5	85		26 - 112	07/18/11 16:33	07/18/11 23:37	1
2,4,6-Tribromophenol	115		30 - 137	07/18/11 16:33	07/18/11 23:37	1
Terphenyl-d14	92		33 - 129	07/18/11 16:33	07/18/11 23:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	07/13/11 21:23	07/14/11 16:31	1
PCB-1221	<19		19	7.3	ug/Kg	☼	07/13/11 21:23	07/14/11 16:31	1
PCB-1232	<19		19	6.7	ug/Kg	☼	07/13/11 21:23	07/14/11 16:31	1
PCB-1242	<19		19	5.9	ug/Kg	☼	07/13/11 21:23	07/14/11 16:31	1
PCB-1248	<19		19	6.6	ug/Kg	☼	07/13/11 21:23	07/14/11 16:31	1
PCB-1254	<19		19	6.0	ug/Kg	☼	07/13/11 21:23	07/14/11 16:31	1
PCB-1260	6.7	J	19	6.3	ug/Kg	☼	07/13/11 21:23	07/14/11 16:31	1
Polychlorinated biphenyls, Total	6.7	J	19	4.6	ug/Kg	☼	07/13/11 21:23	07/14/11 16:31	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		28 - 124	07/13/11 21:23	07/14/11 16:31	1
DCB Decachlorobiphenyl	84		38 - 130	07/13/11 21:23	07/14/11 16:31	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 20:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 10:30	07/16/11 20:44	1
Barium	0.49	J	0.50	0.010	mg/L		07/16/11 10:30	07/16/11 20:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 20:44	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 20:44	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 20:44	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 20:44	1
Nickel	0.011	J	0.025	0.010	mg/L		07/16/11 10:30	07/16/11 20:44	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 20:44	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 20:44	1
Zinc	<0.10		0.10	0.020	mg/L		07/16/11 10:30	07/16/11 20:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.21	J	1.1	0.13	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Arsenic	6.2		0.56	0.078	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1246B02 (4-6)

Lab Sample ID: 500-36452-1

Date Collected: 07/11/11 10:05

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 82.4

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.61		0.22	0.011	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Cadmium	0.33		0.11	0.015	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Chromium	19		0.56	0.047	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Copper	23		0.56	0.078	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Lead	15		0.28	0.13	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Nickel	27	^	0.56	0.037	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Selenium	<0.56	L	0.56	0.16	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Thallium	0.24	J	0.56	0.19	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Zinc	46		1.1	0.089	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1
Barium	58		0.56	0.031	mg/Kg	☼	07/12/11 15:10	07/16/11 03:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 10:30	07/19/11 13:37	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 10:30	07/19/11 13:37	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00023	J B	0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:03	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.020	0.0020	mg/Kg	☼	07/15/11 07:40	07/15/11 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.19		0.200	0.200	SU			07/19/11 15:17	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1246B01 (2-4)

Lab Sample ID: 500-36452-2

Date Collected: 07/11/11 10:25

Matrix: Solid

Date Received: 07/11/11 15:00

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/15/11 23:22	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/15/11 23:22	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/15/11 23:22	20
Chloroform	<0.020		0.020	0.010	mg/L			07/15/11 23:22	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/15/11 23:22	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/15/11 23:22	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/15/11 23:22	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/15/11 23:22	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/15/11 23:22	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/15/11 23:22	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 124					07/15/11 23:22	20
Toluene-d8 (Surr)	91		80 - 121					07/15/11 23:22	20
4-Bromofluorobenzene (Surr)	101		77 - 112					07/15/11 23:22	20
Dibromofluoromethane	100		78 - 119					07/15/11 23:22	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.7		4.7	0.77	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Vinyl chloride	<4.7		4.7	0.66	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Bromomethane	<4.7		4.7	1.0	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Chloroethane	<4.7		4.7	0.99	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
1,1-Dichloroethene	<4.7		4.7	0.75	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Carbon disulfide	<4.7		4.7	0.67	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Acetone	<4.7		4.7	2.3	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Methylene Chloride	<4.7		4.7	1.3	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
trans-1,2-Dichloroethene	<4.7		4.7	0.67	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Methyl tert-butyl ether	<4.7		4.7	0.71	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
1,1-Dichloroethane	<4.7		4.7	0.75	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
cis-1,2-Dichloroethene	<4.7		4.7	0.69	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Methyl Ethyl Ketone	<4.7		4.7	1.0	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Chloroform	<4.7		4.7	0.87	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
1,1,1-Trichloroethane	<4.7		4.7	0.91	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Carbon tetrachloride	<4.7		4.7	1.0	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Benzene	<4.7		4.7	0.51	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
1,2-Dichloroethane	<4.7		4.7	0.48	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Trichloroethene	<4.7		4.7	0.77	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
1,2-Dichloropropane	<4.7		4.7	1.1	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Bromodichloromethane	<4.7		4.7	0.72	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
cis-1,3-Dichloropropene	<4.7		4.7	0.54	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
methyl isobutyl ketone	<4.7		4.7	0.80	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Toluene	<4.7		4.7	0.92	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
trans-1,3-Dichloropropene	<4.7		4.7	1.1	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
1,1,2-Trichloroethane	<4.7		4.7	0.63	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Tetrachloroethene	<4.7		4.7	0.90	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
2-Hexanone	<4.7		4.7	0.67	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Dibromochloromethane	<4.7		4.7	0.65	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Chlorobenzene	<4.7		4.7	0.75	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1
Ethylbenzene	<4.7		4.7	0.71	ug/Kg	*	07/11/11 10:25	07/13/11 10:43	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1246B01 (2-4)

Lab Sample ID: 500-36452-2

Date Collected: 07/11/11 10:25

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 79.6

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.7		4.7	0.60	ug/Kg	☼	07/11/11 10:25	07/13/11 10:43	1
Bromoform	<4.7		4.7	0.77	ug/Kg	☼	07/11/11 10:25	07/13/11 10:43	1
1,1,2,2-Tetrachloroethane	<4.7		4.7	0.64	ug/Kg	☼	07/11/11 10:25	07/13/11 10:43	1
Xylenes, Total	<9.4		9.4	0.66	ug/Kg	☼	07/11/11 10:25	07/13/11 10:43	1
1,3-Dichloropropene, Total	<4.7		4.7	0.54	ug/Kg	☼	07/11/11 10:25	07/13/11 10:43	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		69 - 120	07/11/11 10:25	07/13/11 10:43	1
Toluene-d8 (Surr)	106		69 - 122	07/11/11 10:25	07/13/11 10:43	1
4-Bromofluorobenzene (Surr)	105		67 - 120	07/11/11 10:25	07/13/11 10:43	1
Dibromofluoromethane	106		69 - 120	07/11/11 10:25	07/13/11 10:43	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<410		410	92	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2,4,6-Trichlorophenol	<410		410	89	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2,4-Dichlorophenol	<410		410	52	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2,4-Dimethylphenol	<410		410	140	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2,4-Dinitrophenol	<830		830	300	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2,4-Dinitrotoluene	<210		210	42	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2,6-Dinitrotoluene	<210		210	28	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2-Chloronaphthalene	<210		210	16	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2-Chlorophenol	<210		210	21	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2-Methylnaphthalene	<210		210	16	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2-Methylphenol	<210		210	31	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2-Nitroaniline	<210		210	24	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2-Nitrophenol	<410		410	120	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
3,3'-Dichlorobenzidine	<210		210	30	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
3-Nitroaniline	<410		410	72	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
4,6-Dinitro-2-methylphenol	<410		410	78	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
4-Bromophenyl phenyl ether	<210		210	25	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
4-Chloro-3-methylphenol	<410		410	100	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
4-Chloroaniline	<830		830	130	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
4-Chlorophenyl phenyl ether	<210		210	46	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
4-Nitroaniline	<410		410	71	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
4-Nitrophenol	<830		830	330	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Acenaphthene	9.0	J	41	8.6	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Acenaphthylene	12	J	41	6.4	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Anthracene	20	J	41	7.5	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Benzo[a]anthracene	91		41	8.8	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Benzo[a]pyrene	97		41	7.9	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Benzo[b]fluoranthene	120		41	8.5	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Benzo[g,h,i]perylene	64		41	10	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Benzo[k]fluoranthene	41		41	9.7	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Bis(2-chloroethoxy)methane	<210		210	17	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Bis(2-chloroethyl)ether	<210		210	24	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Bis(2-ethylhexyl) phthalate	<210		210	22	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Butyl benzyl phthalate	<210		210	34	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Carbazole	<210		210	23	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Chrysene	100		41	13	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1246B01 (2-4)

Lab Sample ID: 500-36452-2

Date Collected: 07/11/11 10:25

Matrix: Solid

Date Received: 07/11/11 15:00

Percent Solids: 79.6

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<41		41	10	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Dibenzofuran	<210		210	47	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Diethyl phthalate	<210		210	45	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Dimethyl phthalate	<210		210	18	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Di-n-butyl phthalate	<210		210	23	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Di-n-octyl phthalate	<210		210	33	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
1,3-Dichlorobenzene	<210		210	23	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Fluoranthene	190		41	7.7	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Fluorene	9.3 J		41	7.9	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Hexachlorobenzene	<83		83	7.9	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Hexachlorobutadiene	<210		210	32	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Hexachlorocyclopentadiene	<830		830	410	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Hexachloroethane	<210		210	31	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Indeno[1,2,3-cd]pyrene	58		41	10	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Isophorone	<210		210	92	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Naphthalene	<41		41	7.5	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Nitrobenzene	<41		41	9.9	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
1,4-Dichlorobenzene	<210		210	23	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
2,2'-oxybis[1-chloropropane]	<210		210	44	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
N-Nitrosodi-n-propylamine	<210		210	29	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
N-Nitrosodiphenylamine	<210		210	22	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Pentachlorophenol	<830		830	140	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Phenanthrene	81		41	8.1	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Phenol	<210		210	43	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
Pyrene	150		41	14	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
1,2-Dichlorobenzene	<210		210	22	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
1,2,4-Trichlorobenzene	<210		210	25	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1
3 & 4 Methylphenol	<210		210	41	ug/Kg	☼	07/18/11 16:33	07/18/11 23:59	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	90		27 - 113	07/18/11 16:33	07/18/11 23:59	1
2-Fluorophenol	69		30 - 110	07/18/11 16:33	07/18/11 23:59	1
Nitrobenzene-d5	74		22 - 110	07/18/11 16:33	07/18/11 23:59	1
Phenol-d5	92		26 - 112	07/18/11 16:33	07/18/11 23:59	1
2,4,6-Tribromophenol	116		30 - 137	07/18/11 16:33	07/18/11 23:59	1
Terphenyl-d14	92		33 - 129	07/18/11 16:33	07/18/11 23:59	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:12	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:12	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:12	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:12	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:12	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:12	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:12	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 17:12	1
Pyridine	<0.20		0.20	0.10	mg/L		07/18/11 07:30	07/19/11 17:12	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/18/11 07:30	07/19/11 17:12	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:12	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1246B01 (2-4)

Lab Sample ID: 500-36452-2

Date Collected: 07/11/11 10:25

Matrix: Solid

Date Received: 07/11/11 15:00

Method: 8270C - TCLP Semivolatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/18/11 07:30	07/19/11 17:12	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	46		20 - 100				07/18/11 07:30	07/19/11 17:12	1
Phenol-d5	30		20 - 100				07/18/11 07:30	07/19/11 17:12	1
Nitrobenzene-d5	79		39 - 110				07/18/11 07:30	07/19/11 17:12	1
2-Fluorobiphenyl	79		44 - 110				07/18/11 07:30	07/19/11 17:12	1
2,4,6-Tribromophenol	95		46 - 126				07/18/11 07:30	07/19/11 17:12	1
Terphenyl-d14	85		52 - 131				07/18/11 07:30	07/19/11 17:12	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/18/11 22:22	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 22:22	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 22:22	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 22:22	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		07/18/11 07:35	07/18/11 22:22	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/18/11 07:35	07/18/11 22:22	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/18/11 07:35	07/18/11 22:22	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		36 - 126				07/18/11 07:35	07/18/11 22:22	1
Tetrachloro-m-xylene	70		42 - 120				07/18/11 07:35	07/18/11 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<21		21	5.0	ug/Kg	☼	07/13/11 21:23	07/14/11 16:46	1
PCB-1221	<21		21	7.8	ug/Kg	☼	07/13/11 21:23	07/14/11 16:46	1
PCB-1232	<21		21	7.2	ug/Kg	☼	07/13/11 21:23	07/14/11 16:46	1
PCB-1242	<21		21	6.3	ug/Kg	☼	07/13/11 21:23	07/14/11 16:46	1
PCB-1248	<21		21	7.1	ug/Kg	☼	07/13/11 21:23	07/14/11 16:46	1
PCB-1254	<21		21	6.4	ug/Kg	☼	07/13/11 21:23	07/14/11 16:46	1
PCB-1260	<21		21	6.7	ug/Kg	☼	07/13/11 21:23	07/14/11 16:46	1
Polychlorinated biphenyls, Total	<21		21	5.0	ug/Kg	☼	07/13/11 21:23	07/14/11 16:46	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	78		28 - 124				07/13/11 21:23	07/14/11 16:46	1
DCB Decachlorobiphenyl	81		38 - 130				07/13/11 21:23	07/14/11 16:46	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		07/18/11 07:45	07/19/11 04:47	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		07/18/11 07:45	07/19/11 04:47	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	74		30 - 110				07/18/11 07:45	07/19/11 04:47	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/16/11 10:30	07/16/11 21:23	1
Barium	0.20	J	0.50	0.010	mg/L		07/16/11 10:30	07/16/11 21:23	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Client Sample ID: E1246B01 (2-4)

Lab Sample ID: 500-36452-2

Date Collected: 07/11/11 10:25

Matrix: Solid

Date Received: 07/11/11 15:00

Method: 6010B - PPL+Ba Metals - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/16/11 10:30	07/16/11 21:23	1
Chromium	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:23	1
Copper	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:23	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/16/11 10:30	07/16/11 21:23	1
Nickel	<0.025		0.025	0.010	mg/L		07/16/11 10:30	07/16/11 21:23	1
Selenium	<0.050		0.050	0.010	mg/L		07/16/11 10:30	07/16/11 21:23	1
Silver	<0.025		0.025	0.0050	mg/L		07/16/11 10:30	07/16/11 21:23	1
Zinc	<0.10		0.10	0.020	mg/L		07/16/11 10:30	07/16/11 21:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.26	J	1.2	0.14	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Arsenic	7.0		0.61	0.085	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Beryllium	0.84		0.24	0.012	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Cadmium	0.13		0.12	0.016	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Chromium	21		0.61	0.052	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Copper	25		0.61	0.085	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Lead	14		0.30	0.15	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Nickel	27	^	0.61	0.040	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Selenium	<0.61		0.61	0.17	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Thallium	0.29	J	0.61	0.21	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Zinc	53		1.2	0.097	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1
Barium	87		0.61	0.034	mg/Kg	☼	07/12/11 15:10	07/16/11 03:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/16/11 10:30	07/19/11 13:41	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/16/11 10:30	07/19/11 13:41	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/18/11 07:25	07/18/11 11:17	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.020	0.0020	mg/Kg	☼	07/15/11 07:40	07/15/11 10:23	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/16/11 13:20	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<49		49	5.7	mg/Kg		07/14/11 10:10	07/14/11 12:44	1
Cyanide, Reactive	<0.33		0.33	0.082	mg/Kg		07/12/11 18:00	07/12/11 20:58	1
pH	7.33		0.200	0.200	SU			07/19/11 15:19	1
Paint Filter	pass				mL/100g			07/16/11 11:45	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Qualifiers

GC/MS VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit

General Chemistry

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

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36452-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: (optional) Debra Tarent
 Contact: K.E
 Company: 32 W. Mainville St. Suct. 550
 Address: Waukegan IL 60062
 Address: 312 576 9243
 Phone: 312 576 9345
 Fax: 312 576 9243
 E-Mail: ttarent@amr.com

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

Chain of Custody Record
 Lab Job #: 500-36452
 Chain of Custody Number: E6612-14
 Page 1 of 1
 Temperature °C of Cooler: (3.5)(3.2)

Lab ID	MMSD	Sample ID	Sampler	Client Project #	Preservative	Sampling		Matrix	Containers #	Parameter	Voc	S Voc	P.P. Metals	TCDF P.P. + Ba	P.P. Metals + Ba	P.P. Metals + Ba	W/TK Disposal	Comments
						Date	Time											
1		E1246B02(4-6)	Dick Wright	3153. WZ12.01		7-11-11	1005	2 S	2		X	X	X	X	X	X		
2		E1246B01(2-4)				7-11-11	1025	3 S	3		X	X	X	X	X	X		
3		E1245B03(4-6)				7-11-11	1100	2 S	2		X	X	X	X	X	X		
4		E1245B02(2-4)				7-11-11	1115	2 S	2		X	X	X	X	X	X		
5		E1245B01(0-2)				7-11-11	1145	3 S	3		X	X	X	X	X	X		
6		E1227B01(0-2)				7-11-11	1440	2 S	2		X	X	X	X	X	X		
7		E1227B01(6-8)				7-11-11	1450	2 S	2		X	X	X	X	X	X		

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

Requested Due Date _____

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

Relinquished By: SKJ Company: K.E Date: 7-11-11 Time: 1500

Relinquished By: JKT Company: TA Date: 7-12-11 Time: 0630

Relinquished By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: TA

Shipped: _____

Hand Delivered: _____

Client Comments: _____

Lab Comments: _____

Matrix Key:
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 OL - Oil
 A - Air

SE - Sediment
 SO - Soil
 L - Leachate
 WI - Wipe
 DW - Drinking Water
 O - Other



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
104-140 N. York Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.95892 Longitude: -87.93980
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.95892 Longitude: -87.93980

Uncontaminated Site 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 E1251B01 and E1251B02 were sampled within the construction zone adjacent to ISGS #1583V-51: Residences. Refer to PSI Report for ISGS #1583V-51: Residences including Table 4-5, and Figure 4-3A.

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

See attached data summary table and associated laboratory data package J35870.

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

I, Steven Gobelman (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: Illinois Department of Transportation

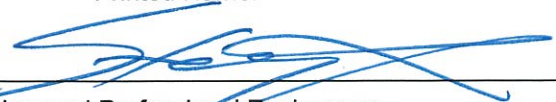
Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/13/15

Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-51 (Residences)		Comparison Criteria			
	E1251B01	E1251B02	MACs			TACO SCGIER
SAMPLE	E1251B01 (0-2)	E1251B02 (0-2)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil	Soil				
DEPTH (m)	0.0-0.6	0.0-0.6				
pH	8.16	8.64				
VOCs (None Detected)						
SVOCs (µg/kg)						
Acenaphthene	17 J	ND U	570,000	--	--	--
Acenaphthylene	8.6 J	ND U	85,000	--	--	--
Anthracene	88	31 J	12,000,000	--	--	--
Benzo[a]anthracene	580	210	900	1,800	1,100	--
Benzo[a]pyrene	600 †	220 †	90	2,100	1,300	--
Benzo[b]fluoranthene	850	310	900	2,100	1,500	--
Benzo[g,h,i]perylene	470	160	2,300,000	--	--	--
Benzo[k]fluoranthene	280	100	9,000	--	--	--
Chrysene	660	240	88,000	--	--	--
Dibenzo(a,h)anthracene	140 †	46	90	420	200	--
Fluoranthene	1,200	450	3,100,000	--	--	--
Fluorene	19 J	ND U	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	360	150	900	1,600	900	--
Phenanthrene	480	150	210,000	--	--	--
Pyrene	960	350	2,300,000	--	--	--
Inorganics (mg/kg)						
Arsenic	8.2	12 †	11.3	13	--	0.05
Barium	96	67	1,500	--	--	2
Cadmium	0.75	0.25	5.2	--	--	0.005
Chromium	24 B †	21 B	21	--	--	0.1
Lead	69	34	107	--	--	0.0075
Mercury	0.14	0.044	0.89	--	--	0.002
Selenium	ND U	0.25 J	1.3	--	--	0.05
Silver	0.056 J	ND U	4.4	--	--	0.05
TCLP Metals (mg/L)						
Barium	0.41 J	0.25 J	1,500	--	--	2
Lead	0.0067 J	0.0051 J	107	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-35870-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout

Cindy Pritchard

Authorized for release by:
07/11/2011 04:22:31 PM
Cindy Pritchard
Project Mgmt. Assistant
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Designee for
Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-35870-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1257B01D (10-12) (500-35870-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 117485 exceeded control limits for the following analyte: Toluene. The laboratory control sample (LCS) was within limits.

Method(s) 8260B: The laboratory control sample (LCS) for batch 117834 exceeded control limits for the following analyte: trans-1,3-Dichloropropene.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: 500-35870-8 had 2,4,6-Terphenyl-d14 at 134% (46%-126%). All other surrogate recoveries were within limits. No further action was required. E1251B01 (0-2) (500-35870-8)

Method(s) 8270C: The laboratory control sample (LCS) for batch 117871 was below control limits for the following analytes: Hexachlorobutadiene at 57% (62%-110%) and 1,2,4-Trichlorobenzene at 63% (65%-102%), but was within the marginal exceedence. No further action was required. E1251B01 (0-2) (500-35870-8), E1251B02 (0-2) (500-35870-9), E1252B01 (0-2) (500-35870-15), E1252B01 (8-10) (500-35870-16), E1252B02 (2-4) (500-35870-17), E1252B02 (6-8) (500-35870-18), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B13 (10-12) (500-35870-2), E1259B13 (2-4) (500-35870-1), E1259B14 (0-2) (500-35870-6), E1259B14 (2-4) (500-35870-7), E1259B15 (0-2) (500-35870-4), E1259B15 (2-4) (500-35870-5), E1259B16 (0-2) (500-35870-3)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 117871 were outside control limits. All RPD's were < 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria, for this MS/MSD. No further action was required. E1259B13 (2-4) (500-35870-1)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1260. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B14 (0-2) (500-35870-6)

Method(s) 8082: The matrix spike (MS) recoveries for batch 117859 were outside control limits for AR1260. The associated laboratory control sample (LCS) and matrix spike duplicate (MSD) recoveries met acceptance criteria. E1259B14 (0-2) (500-35870-6)

Method(s) 8081A: The laboratory control sample (LCS) for preparation batch 118307 exceeded control limits for the following analyte: gamma-BHC (Lindane) at 73% (Limit is 74%-118%). The affected samples were non detects for this analyte, and the data has been reported. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: Chlordane (technical), Methoxychlor, Endrin, and gamma-BHC (Lindane).E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-35870-6, was outside control limits for Cr and Pb.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-35870-6 was outside the control limits for As and Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-35870-6 were outside control limits for As. The MSD was also out for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1251B01 (0-2)

Lab Sample ID: 500-35870-8

Date Collected: 06/24/11 13:00

Matrix: Solid

Date Received: 06/24/11 14:50

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/06/11 19:18	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/06/11 19:18	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/06/11 19:18	20
Chloroform	<0.020		0.020	0.010	mg/L			07/06/11 19:18	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/06/11 19:18	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/06/11 19:18	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/06/11 19:18	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/06/11 19:18	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/06/11 19:18	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/06/11 19:18	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 124					07/06/11 19:18	20
Toluene-d8 (Surr)	107		80 - 121					07/06/11 19:18	20
4-Bromofluorobenzene (Surr)	101		77 - 112					07/06/11 19:18	20
Dibromofluoromethane	108		78 - 119					07/06/11 19:18	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.0		5.0	0.54	ug/Kg	*	06/24/11 13:00	06/28/11 10:51	1
Toluene	<5.0		5.0	0.98	ug/Kg	*	06/24/11 13:00	06/28/11 10:51	1
Ethylbenzene	<5.0		5.0	0.75	ug/Kg	*	06/24/11 13:00	06/28/11 10:51	1
Xylenes, Total	<10		10	0.70	ug/Kg	*	06/24/11 13:00	06/28/11 10:51	1
Methyl tert-butyl ether	<5.0		5.0	0.75	ug/Kg	*	06/24/11 13:00	06/28/11 10:51	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		69 - 120				06/24/11 13:00	06/28/11 10:51	1
Toluene-d8 (Surr)	95		69 - 122				06/24/11 13:00	06/28/11 10:51	1
4-Bromofluorobenzene (Surr)	97		67 - 120				06/24/11 13:00	06/28/11 10:51	1
Dibromofluoromethane	106		69 - 120				06/24/11 13:00	06/28/11 10:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<42		42	7.6	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Acenaphthylene	8.6	J	42	6.5	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Acenaphthene	17	J	42	8.8	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Fluorene	19	J	42	8.0	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Phenanthrene	480		42	8.2	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Anthracene	88		42	7.7	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Fluoranthene	1200		42	7.8	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Pyrene	960		42	14	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Benzo[a]anthracene	580		42	9.0	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Chrysene	660		42	13	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Benzo[b]fluoranthene	850		42	8.7	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Benzo[k]fluoranthene	280		42	9.8	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Benzo[a]pyrene	600		42	8.1	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Indeno[1,2,3-cd]pyrene	360		42	11	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Dibenz[a,h]anthracene	140		42	11	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1
Benzo[g,h,i]perylene	470		42	10	ug/Kg	*	06/28/11 07:07	07/07/11 21:40	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1251B01 (0-2)

Lab Sample ID: 500-35870-8

Date Collected: 06/24/11 13:00

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 76.9

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	50		22 - 110	06/28/11 07:07	07/07/11 21:40	1
2-Fluorobiphenyl	60		27 - 113	06/28/11 07:07	07/07/11 21:40	1
Terphenyl-d14	74		33 - 129	06/28/11 07:07	07/07/11 21:40	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:26	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:26	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:26	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:26	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:26	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:26	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:26	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/01/11 10:30	07/06/11 18:26	1
Pyridine	<0.20		0.20	0.10	mg/L		07/01/11 10:30	07/06/11 18:26	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/01/11 10:30	07/06/11 18:26	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:26	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:26	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	35		20 - 100	07/01/11 10:30	07/06/11 18:26	1
Phenol-d5	26		20 - 100	07/01/11 10:30	07/06/11 18:26	1
Nitrobenzene-d5	70		39 - 110	07/01/11 10:30	07/06/11 18:26	1
2-Fluorobiphenyl	103		44 - 110	07/01/11 10:30	07/06/11 18:26	1
2,4,6-Tribromophenol	134	X	46 - 126	07/01/11 10:30	07/06/11 18:26	1
Terphenyl-d14	98		52 - 131	07/01/11 10:30	07/06/11 18:26	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/01/11 10:25	07/01/11 20:54	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 20:54	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 20:54	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 20:54	1
gamma-BHC (Lindane)	<0.0050	*	0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 20:54	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/01/11 10:25	07/01/11 20:54	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/01/11 10:25	07/01/11 20:54	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		36 - 126	07/01/11 10:25	07/01/11 20:54	1
Tetrachloro-m-xylene	76		42 - 120	07/01/11 10:25	07/01/11 20:54	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<21		21	5.1	ug/Kg	⚡	06/27/11 20:36	06/29/11 15:48	1
PCB-1221	<21		21	8.0	ug/Kg	⚡	06/27/11 20:36	06/29/11 15:48	1
PCB-1232	<21		21	7.4	ug/Kg	⚡	06/27/11 20:36	06/29/11 15:48	1
PCB-1242	<21		21	6.5	ug/Kg	⚡	06/27/11 20:36	06/29/11 15:48	1
PCB-1248	<21		21	7.3	ug/Kg	⚡	06/27/11 20:36	06/29/11 15:48	1
PCB-1254	<21		21	6.6	ug/Kg	⚡	06/27/11 20:36	06/29/11 15:48	1
PCB-1260	<21		21	6.9	ug/Kg	⚡	06/27/11 20:36	06/29/11 15:48	1
Polychlorinated biphenyls, Total	<21		21	5.1	ug/Kg	⚡	06/27/11 20:36	06/29/11 15:48	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1251B01 (0-2)

Lab Sample ID: 500-35870-8

Date Collected: 06/24/11 13:00

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 76.9

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		28 - 124	06/27/11 20:36	06/29/11 15:48	1
DCB Decachlorobiphenyl	53		38 - 130	06/27/11 20:36	06/29/11 15:48	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		06/30/11 09:50	07/01/11 07:38	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		06/30/11 09:50	07/01/11 07:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	78		30 - 110	06/30/11 09:50	07/01/11 07:38	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.2		0.61	0.085	mg/Kg	☼	06/28/11 16:30	06/30/11 04:34	1
Barium	96		0.61	0.034	mg/Kg	☼	06/28/11 16:30	06/30/11 04:34	1
Cadmium	0.75		0.12	0.016	mg/Kg	☼	06/28/11 16:30	06/30/11 04:34	1
Chromium	24	B	0.61	0.051	mg/Kg	☼	06/28/11 16:30	06/30/11 04:34	1
Lead	69		0.30	0.15	mg/Kg	☼	06/28/11 16:30	06/30/11 04:34	1
Selenium	<0.61		0.61	0.17	mg/Kg	☼	06/28/11 16:30	06/30/11 04:34	1
Silver	0.056	J	0.30	0.038	mg/Kg	☼	06/28/11 16:30	06/30/11 04:34	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		06/30/11 16:15	07/02/11 01:00	1
Barium	0.41	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 01:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 01:00	1
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:00	1
Lead	0.0067	J	0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 01:00	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:00	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 01:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:44	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.14		0.019	0.0019	mg/Kg	☼	06/27/11 12:00	06/27/11 14:57	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			07/02/11 11:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	5.8	mg/Kg		06/30/11 10:45	06/30/11 15:58	1
Cyanide, Reactive	0.12	J	0.24	0.059	mg/Kg		06/29/11 12:00	06/29/11 15:23	1
pH	8.16		0.200	0.200	SU			07/01/11 11:05	1
Paint Filter	pass				mL/100g			07/02/11 11:45	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1251B02 (0-2)

Lab Sample ID: 500-35870-9

Date Collected: 06/24/11 13:15

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.8		4.8	0.52	ug/Kg	☼	06/24/11 13:15	06/28/11 11:16	1
Toluene	<4.8		4.8	0.93	ug/Kg	☼	06/24/11 13:15	06/28/11 11:16	1
Ethylbenzene	<4.8		4.8	0.72	ug/Kg	☼	06/24/11 13:15	06/28/11 11:16	1
Xylenes, Total	<9.6		9.6	0.67	ug/Kg	☼	06/24/11 13:15	06/28/11 11:16	1
Methyl tert-butyl ether	<4.8		4.8	0.72	ug/Kg	☼	06/24/11 13:15	06/28/11 11:16	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		69 - 120	06/24/11 13:15	06/28/11 11:16	1
Toluene-d8 (Surr)	95		69 - 122	06/24/11 13:15	06/28/11 11:16	1
4-Bromofluorobenzene (Surr)	97		67 - 120	06/24/11 13:15	06/28/11 11:16	1
Dibromofluoromethane	100		69 - 120	06/24/11 13:15	06/28/11 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<40		40	7.3	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Acenaphthylene	<40		40	6.2	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Acenaphthene	<40		40	8.4	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Fluorene	<40		40	7.7	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Phenanthrene	150		40	7.9	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Anthracene	31	J	40	7.3	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Fluoranthene	450		40	7.5	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Pyrene	350		40	14	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Benzo[a]anthracene	210		40	8.6	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Chrysene	240		40	13	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Benzo[b]fluoranthene	310		40	8.3	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Benzo[k]fluoranthene	100		40	9.4	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Benzo[a]pyrene	220		40	7.7	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Indeno[1,2,3-cd]pyrene	150		40	10	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Dibenz(a,h)anthracene	46		40	10	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1
Benzo[g,h,i]perylene	160		40	9.8	ug/Kg	☼	06/28/11 07:07	07/07/11 22:02	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	34		22 - 110	06/28/11 07:07	07/07/11 22:02	1
2-Fluorobiphenyl	50		27 - 113	06/28/11 07:07	07/07/11 22:02	1
Terphenyl-d14	67		33 - 129	06/28/11 07:07	07/07/11 22:02	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		0.59	0.082	mg/Kg	☼	06/28/11 16:30	06/30/11 04:40	1
Barium	67		0.59	0.033	mg/Kg	☼	06/28/11 16:30	06/30/11 04:40	1
Cadmium	0.25		0.12	0.016	mg/Kg	☼	06/28/11 16:30	06/30/11 04:40	1
Chromium	21	B	0.59	0.050	mg/Kg	☼	06/28/11 16:30	06/30/11 04:40	1
Lead	34		0.29	0.14	mg/Kg	☼	06/28/11 16:30	06/30/11 04:40	1
Selenium	0.25	J	0.59	0.16	mg/Kg	☼	06/28/11 16:30	06/30/11 04:40	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	06/28/11 16:30	06/30/11 04:40	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		06/30/11 16:15	07/02/11 01:21	1
Barium	0.25	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 01:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 01:21	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1251B02 (0-2)

Lab Sample ID: 500-35870-9

Date Collected: 06/24/11 13:15

Matrix: Solid

Date Received: 06/24/11 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:21	1
Lead	0.0051	J	0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 01:21	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:21	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 01:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:46	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.019	0.0020	mg/Kg	☼	06/27/11 12:00	06/27/11 14:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.64		0.200	0.200	SU			07/01/11 11:08	1

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

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control 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
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control 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 is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To: Dean Teibert
 Contact: E.C.
 Company: 33 W. Menden St. S. 530
 Address: Chicago IL 60603
 Address: 312.978.9243
 Phone: 312.576.9345
 Fax: St. Fire Dept. Chicago
 E-Mail:

(optional)

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PCN/Reference#

Chain of Custody Record

Lab Job #: 500-35870
 Chain of Custody Number: EE6-12-03
 Page 1 of 1
 Temperature °C of Cooler: (3.6) (33)

Client	Project Name	Client Project #	Preservative	Parameter	Mark	Sample ID		Sample Date	Time	# Containers	Wash	PT/% S.P.	Temp PCRA	Wet PCRA	RPH	Brix TMB	RPH	Comments
						MSMSD	Sample ID											
Client: <u>McCoy Environmental</u>	Project Name: <u>Irving Park Road (JL19)</u>	Client Project #: <u>3133 VI12-01</u>																
Project Location/State: <u>DuPage County, IL</u>	Lab Project #: <u>5672</u>	Lab PM: <u>Dick Wright</u>																
Sampled by: <u>Scott Cooper</u>																		
1	E1259B13 (2-4)		6-23-11	1510	2	5					X	X	X	X	X	X	X	
2	E1259B13 (10-12)		6-23-11	1515	2	5					X	X	X	X	X	X	X	
3	E1259B16 (0-2)		6-24-11	0825	2	5					X	X	X	X	X	X	X	
4	E1259B15 (0-2)		6-24-11	0840	2	5					X	X	X	X	X	X	X	
5	E1259B15 (2-4)		6-24-11	0845	2	5					X	X	X	X	X	X	X	
6	E1259B14 (0-2)		6-24-11	0900	3	5					X	X	X	X	X	X	X	
7	E1259B14 (2-4)		6-24-11	0905	2	5					X	X	X	X	X	X	X	
8	E1251B01 (0-2)		6-24-11	1300	3	5					X	X	X	X	X	X	X	
9	E1251B02 (0-2)		6-24-11	1315	2	5					X	X	X	X	X	X	X	

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

Requisitioned By: SMZ Company: ILC Date: 6-24-11 Time: 1450
 Requisitioned By: _____ Company: _____ Date: _____ Time: _____
 Received By: SMZ Company: ILC Date: 6-24-11 Time: 1630
 Received By: _____ Company: _____ Date: _____ Time: _____

Disposal by Lab: Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)
 Return to Client: Disposal by Lab: Date: 6-24-11 Time: _____
 Lab Courier: TA Shipped: _____ Hand Delivered: _____
 Lab Comments: _____
 Client Comments: _____

(optional)

(optional)

Chain of Custody Record

Lab Job #: **500-35870**
 Chain of Custody Number: **EA-12-04**
 Page **1** of **2**
 Temperature °C of Cooler: _____

Report To: **Dean Tebrat**
 Contact: **E.E**
 Company: **33 W. Walnut St. In. k. 550**
 Address: **Whiting, IL 60407**
 Phone: **712 578 9647**
 Fax: **712 578 9345**
 E-Mail: **dfriedberg@mac.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PCW/Reference#: _____

Client	Project Name	Client Project #	Preservative	Parameter	# Containers	Mark	Sampling		Comments	Preservative Key
							Date	Time		
Ecology - Environment	Irving Park Road (IL 19)	3133 ✓ E12.01		VOC	3	S	6-24-11	1020	X	1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Location/State	DuPage County, IL	5672		SVOL	2	S	6-24-11	1025	X	
Sample	Scott Cooper	Dick Wright			2	S	6-24-11	1025	X	
					3	S	6-24-11	1115	X	
					2	S	6-24-11	1130	X	
					2	S	6-24-11	1225	X	

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

Requested Due Date: _____

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

Reinquisitioned By: **SAZ** Company: **E.E** Date: **6-24-11** Time: **1450**

Received By: **Heat** Company: **TA** Date: **6-24-11** Time: **1615**

Reinquisitioned By: _____ Company: _____ Date: _____ Time: _____

Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: **TA**

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Dean Robert
 Contact: E.E
 Company: 33 W. Kinross St. Joliet, IL 60433
 Address: Chicago, IL 60603
 Address: 312-576-9247
 Phone: 312-576-9305
 Fax: AT&T
 E-Mail: AT&T@att.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____

Chain of Custody Record
 Lab Job #: 500-35870
 Chain of Custody Number: EE6-12-05
 Page 2 of 2
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Preservative		Comments
						Parameter	# Containers	
15		E1252-B01 (0-2)	6-24-11	1355	3 S	PH	X	PH 8.5-9.5 TCLP lead metals TCLP lead Waste disposal
16		E1252-B01 (8-10)	6-24-11	1400	2 S		X	
17		E1252-B02 (2-4)	6-24-11	1430	2 S		X	
18		E1252-B02 (6-8)	6-24-11	1475	2 S		X	

Client: Ecology - Environment
 Project Name: Irving Park Road (7C19)
 Project Location/State: DuPage County, IL
 Lab Project#: 5672
 Lab PM: Dick Wright
 Client Project #: 3133 VI12.01

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Turnaround Time Required (Business Days)
 Requisitioned Due Date: 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

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

Relinquished By: SAS Company: E.E Date: 6-24-11 Time: 1:50
 Received By: that Company: that Date: 6-24-11 Time: 1410
 Relinquished By: _____ Company: _____ Date: _____ Time: _____
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

100 block of N. York Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.95876 Longitude: -87.93944
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434145269 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.95876 Longitude: -87.93944

Uncontaminated Site 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 E1252B01 was sampled within the construction zone adjacent to ISGS #1583V-52: Bensenville Lift Station. Refer to PSI Report for ISGS #1583V-52: Bensenville Lift Station including Table 4-5, and Figure 4-3A.

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

See attached data summary table and associated laboratory data package J35870.

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

I, Steven Gobelman (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: Illinois Department of Transportation


Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15
 Date:





Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-52 (Bensenville Lift Station)		Comparison Criteria			
	E1252B01		MACs			TACO SCGIER
BORING	E1252B01		Most Stringent	Within an MSA	Within Chicago	
SAMPLE	E1252B01 (0-2)	E1252B01 (8-10)				
MATRIX	Soil	Soil				
DEPTH (m)	0.0-0.6	2.4-3.1				
pH	7.69	8.05				
VOCs (None Detected)						
SVOCs (µg/kg)						
Acenaphthene	ND U	13 J	570,000	--	--	--
Acenaphthylene	ND U	8.9 J	85,000	--	--	--
Anthracene	23 J	37 J	12,000,000	--	--	--
Benzo[a]anthracene	110	160	900	1,800	1,100	--
Benzo[a]pyrene	100 †	150 †	90	2,100	1,300	--
Benzo[b]fluoranthene	140	190	900	2,100	1,500	--
Benzo[g,h,i]perylene	86	110	2,300,000	--	--	--
Benzo[k]fluoranthene	56	87	9,000	--	--	--
Chrysene	130	210	88,000	--	--	--
Dibenzo(a,h)anthracene	27 J	24 J	90	420	200	--
Fluoranthene	230	380	3,100,000	--	--	--
Fluorene	ND U	16 J	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	64	87	900	1,600	900	--
Naphthalene	ND U	7.6 J	1,800	--	--	--
Phenanthrene	150	230	210,000	--	--	--
Pyrene	190	310	2,300,000	--	--	--
Inorganics (mg/kg)						
Arsenic	5.9	7.7	11.3	13	--	0.05
Barium	52	57	1,500	--	--	2
Cadmium	0.46	0.52	5.2	--	--	0.005
Chromium	12 B	14 B	21	--	--	0.1
Lead	24	35	107	--	--	0.0075
Mercury	0.061	0.11	0.89	--	--	0.002
Selenium	0.17 J	ND U	1.3	--	--	0.05
Silver	0.038 J	0.052 J	4.4	--	--	0.05
TCLP Metals (mg/L)						
Barium	0.43 J	0.56	1,500	--	--	2
Lead	ND U	0.018 L	107	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-35870-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout

Cindy Pritchard

Authorized for release by:
07/11/2011 04:22:31 PM
Cindy Pritchard
Project Mgmt. Assistant
cindy.pritchard@testamericainc.com
Designee for
Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-35870-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1257B01D (10-12) (500-35870-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 117485 exceeded control limits for the following analyte: Toluene. The laboratory control sample (LCS) was within limits.

Method(s) 8260B: The laboratory control sample (LCS) for batch 117834 exceeded control limits for the following analyte: trans-1,3-Dichloropropene.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: 500-35870-8 had 2,4,6-Terphenyl-d14 at 134% (46%-126%). All other surrogate recoveries were within limits. No further action was required. E1251B01 (0-2) (500-35870-8)

Method(s) 8270C: The laboratory control sample (LCS) for batch 117871 was below control limits for the following analytes: Hexachlorobutadiene at 57% (62%-110%) and 1,2,4-Trichlorobenzene at 63% (65%-102%), but was within the marginal exceedence. No further action was required. E1251B01 (0-2) (500-35870-8), E1251B02 (0-2) (500-35870-9), E1252B01 (0-2) (500-35870-15), E1252B01 (8-10) (500-35870-16), E1252B02 (2-4) (500-35870-17), E1252B02 (6-8) (500-35870-18), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B13 (10-12) (500-35870-2), E1259B13 (2-4) (500-35870-1), E1259B14 (0-2) (500-35870-6), E1259B14 (2-4) (500-35870-7), E1259B15 (0-2) (500-35870-4), E1259B15 (2-4) (500-35870-5), E1259B16 (0-2) (500-35870-3)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 117871 were outside control limits. All RPD's were < 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria, for this MS/MSD. No further action was required. E1259B13 (2-4) (500-35870-1)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1260. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B14 (0-2) (500-35870-6)

Method(s) 8082: The matrix spike (MS) recoveries for batch 117859 were outside control limits for AR1260. The associated laboratory control sample (LCS) and matrix spike duplicate (MSD) recoveries met acceptance criteria. E1259B14 (0-2) (500-35870-6)

Method(s) 8081A: The laboratory control sample (LCS) for preparation batch 118307 exceeded control limits for the following analyte: gamma-BHC (Lindane) at 73% (Limit is 74%-118%). The affected samples were non detects for this analyte, and the data has been reported. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: Chlordane (technical), Methoxychlor, Endrin, and gamma-BHC (Lindane).E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-35870-6, was outside control limits for Cr and Pb.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-35870-6 was outside the control limits for As and Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-35870-6 were outside control limits for As. The MSD was also out for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1252B01 (0-2)

Lab Sample ID: 500-35870-15

Date Collected: 06/24/11 13:55

Matrix: Solid

Date Received: 06/24/11 14:50

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/06/11 20:36	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/06/11 20:36	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/06/11 20:36	20
Chloroform	<0.020		0.020	0.010	mg/L			07/06/11 20:36	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/06/11 20:36	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/06/11 20:36	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/06/11 20:36	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/06/11 20:36	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/06/11 20:36	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/06/11 20:36	20

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 124		07/06/11 20:36	20
Toluene-d8 (Surr)	107		80 - 121		07/06/11 20:36	20
4-Bromofluorobenzene (Surr)	98		77 - 112		07/06/11 20:36	20
Dibromofluoromethane	112		78 - 119		07/06/11 20:36	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.7		4.7	0.51	ug/Kg	*	06/24/11 13:55	06/28/11 13:44	1
Toluene	<4.7		4.7	0.92	ug/Kg	*	06/24/11 13:55	06/28/11 13:44	1
Ethylbenzene	<4.7		4.7	0.71	ug/Kg	*	06/24/11 13:55	06/28/11 13:44	1
Xylenes, Total	<9.4		9.4	0.66	ug/Kg	*	06/24/11 13:55	06/28/11 13:44	1
Methyl tert-butyl ether	<4.7		4.7	0.71	ug/Kg	*	06/24/11 13:55	06/28/11 13:44	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		69 - 120	06/24/11 13:55	06/28/11 13:44	1
Toluene-d8 (Surr)	91		69 - 122	06/24/11 13:55	06/28/11 13:44	1
4-Bromofluorobenzene (Surr)	92		67 - 120	06/24/11 13:55	06/28/11 13:44	1
Dibromofluoromethane	101		69 - 120	06/24/11 13:55	06/28/11 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<36		36	6.6	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Acenaphthylene	<36		36	5.7	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Acenaphthene	<36		36	7.6	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Fluorene	<36		36	7.0	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Phenanthrene	150		36	7.2	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Anthracene	23 J		36	6.7	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Fluoranthene	230		36	6.8	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Pyrene	190		36	13	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Benzo[a]anthracene	110		36	7.8	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Chrysene	130		36	12	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Benzo[b]fluoranthene	140		36	7.6	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Benzo[k]fluoranthene	56		36	8.6	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Benzo[a]pyrene	100		36	7.0	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Indeno[1,2,3-cd]pyrene	64		36	9.3	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Dibenz[a,h]anthracene	27 J		36	9.2	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1
Benzo[g,h,i]perylene	86		36	8.9	ug/Kg	*	06/28/11 07:07	07/07/11 22:23	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1252B01 (0-2)

Lab Sample ID: 500-35870-15

Date Collected: 06/24/11 13:55

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 85.4

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	52		22 - 110	06/28/11 07:07	07/07/11 22:23	1
2-Fluorobiphenyl	62		27 - 113	06/28/11 07:07	07/07/11 22:23	1
Terphenyl-d14	78		33 - 129	06/28/11 07:07	07/07/11 22:23	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:36	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:36	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:36	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:36	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:36	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:36	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:36	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/01/11 10:30	07/06/11 19:36	1
Pyridine	<0.20		0.20	0.10	mg/L		07/01/11 10:30	07/06/11 19:36	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/01/11 10:30	07/06/11 19:36	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:36	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:36	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	33		20 - 100	07/01/11 10:30	07/06/11 19:36	1
Phenol-d5	23		20 - 100	07/01/11 10:30	07/06/11 19:36	1
Nitrobenzene-d5	77		39 - 110	07/01/11 10:30	07/06/11 19:36	1
2-Fluorobiphenyl	67		44 - 110	07/01/11 10:30	07/06/11 19:36	1
2,4,6-Tribromophenol	95		46 - 126	07/01/11 10:30	07/06/11 19:36	1
Terphenyl-d14	100		52 - 131	07/01/11 10:30	07/06/11 19:36	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/01/11 10:25	07/01/11 21:52	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:52	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:52	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:52	1
gamma-BHC (Lindane)	<0.0050 *		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:52	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/01/11 10:25	07/01/11 21:52	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/01/11 10:25	07/01/11 21:52	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		36 - 126	07/01/11 10:25	07/01/11 21:52	1
Tetrachloro-m-xylene	80		42 - 120	07/01/11 10:25	07/01/11 21:52	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	⚡	06/27/11 20:36	06/30/11 10:28	1
PCB-1221	<19		19	7.2	ug/Kg	⚡	06/27/11 20:36	06/30/11 10:28	1
PCB-1232	<19		19	6.7	ug/Kg	⚡	06/27/11 20:36	06/30/11 10:28	1
PCB-1242	<19		19	5.8	ug/Kg	⚡	06/27/11 20:36	06/30/11 10:28	1
PCB-1248	<19		19	6.5	ug/Kg	⚡	06/27/11 20:36	06/30/11 10:28	1
PCB-1254	<19		19	6.0	ug/Kg	⚡	06/27/11 20:36	06/30/11 10:28	1
PCB-1260	<19		19	6.2	ug/Kg	⚡	06/27/11 20:36	06/30/11 10:28	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	⚡	06/27/11 20:36	06/30/11 10:28	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1252B01 (0-2)

Lab Sample ID: 500-35870-15

Date Collected: 06/24/11 13:55

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 85.4

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	67		28 - 124	06/27/11 20:36	06/30/11 10:28	1
DCB Decachlorobiphenyl	58		38 - 130	06/27/11 20:36	06/30/11 10:28	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		06/30/11 09:50	07/01/11 08:43	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		06/30/11 09:50	07/01/11 08:43	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	73		30 - 110	06/30/11 09:50	07/01/11 08:43	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.9		0.54	0.075	mg/Kg	☼	06/28/11 16:30	06/30/11 05:32	1
Barium	52		0.54	0.030	mg/Kg	☼	06/28/11 16:30	06/30/11 05:32	1
Cadmium	0.46		0.11	0.014	mg/Kg	☼	06/28/11 16:30	06/30/11 05:32	1
Chromium	12	B	0.54	0.046	mg/Kg	☼	06/28/11 16:30	06/30/11 05:32	1
Lead	24		0.27	0.13	mg/Kg	☼	06/28/11 16:30	06/30/11 05:32	1
Selenium	0.17	J	0.54	0.15	mg/Kg	☼	06/28/11 16:30	06/30/11 05:32	1
Silver	0.038	J	0.27	0.034	mg/Kg	☼	06/28/11 16:30	06/30/11 05:32	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		06/30/11 16:15	07/02/11 02:17	1
Barium	0.43	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 02:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 02:17	1
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 02:17	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 02:17	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 02:17	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 02:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:56	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.061		0.019	0.0019	mg/Kg	☼	06/27/11 12:00	06/27/11 15:10	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			06/30/11 11:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<48		48	5.6	mg/Kg		06/30/11 10:56	06/30/11 16:01	1
Cyanide, Reactive	0.070	J B	0.25	0.063	mg/Kg		07/01/11 11:45	07/01/11 16:06	1
Cyanide, Total	0.11	J B	0.28	0.032	mg/Kg	☼	06/29/11 12:00	06/29/11 15:22	1
pH	7.69		0.200	0.200	SU			07/01/11 11:24	1
Paint Filter	pass				mL/100g			06/30/11 18:20	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1252B01 (8-10)

Lab Sample ID: 500-35870-16

Date Collected: 06/24/11 14:00

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.1		5.1	0.55	ug/Kg	☼	06/24/11 14:00	06/28/11 14:09	1
Toluene	<5.1		5.1	0.99	ug/Kg	☼	06/24/11 14:00	06/28/11 14:09	1
Ethylbenzene	<5.1		5.1	0.77	ug/Kg	☼	06/24/11 14:00	06/28/11 14:09	1
Xylenes, Total	<10		10	0.72	ug/Kg	☼	06/24/11 14:00	06/28/11 14:09	1
Methyl tert-butyl ether	<5.1		5.1	0.77	ug/Kg	☼	06/24/11 14:00	06/28/11 14:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		69 - 120	06/24/11 14:00	06/28/11 14:09	1
Toluene-d8 (Surr)	91		69 - 122	06/24/11 14:00	06/28/11 14:09	1
4-Bromofluorobenzene (Surr)	92		67 - 120	06/24/11 14:00	06/28/11 14:09	1
Dibromofluoromethane	100		69 - 120	06/24/11 14:00	06/28/11 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	7.6	J	41	7.5	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Acenaphthylene	8.9	J	41	6.4	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Acenaphthene	13	J	41	8.7	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Fluorene	16	J	41	7.9	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Phenanthrene	230		41	8.2	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Anthracene	37	J	41	7.6	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Fluoranthene	380		41	7.7	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Pyrene	310		41	14	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Benzo[a]anthracene	160		41	8.9	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Chrysene	210		41	13	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Benzo[b]fluoranthene	190		41	8.6	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Benzo[k]fluoranthene	87		41	9.7	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Benzo[a]pyrene	150		41	8.0	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Indeno[1,2,3-cd]pyrene	87		41	11	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Dibenz(a,h)anthracene	24	J	41	10	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1
Benzo[g,h,i]perylene	110		41	10	ug/Kg	☼	06/28/11 07:07	07/07/11 22:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	47		22 - 110	06/28/11 07:07	07/07/11 22:45	1
2-Fluorobiphenyl	61		27 - 113	06/28/11 07:07	07/07/11 22:45	1
Terphenyl-d14	79		33 - 129	06/28/11 07:07	07/07/11 22:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		0.60	0.084	mg/Kg	☼	06/28/11 16:30	06/30/11 05:38	1
Barium	57		0.60	0.034	mg/Kg	☼	06/28/11 16:30	06/30/11 05:38	1
Cadmium	0.52		0.12	0.016	mg/Kg	☼	06/28/11 16:30	06/30/11 05:38	1
Chromium	14	B	0.60	0.051	mg/Kg	☼	06/28/11 16:30	06/30/11 05:38	1
Lead	35		0.30	0.14	mg/Kg	☼	06/28/11 16:30	06/30/11 05:38	1
Selenium	<0.60		0.60	0.17	mg/Kg	☼	06/28/11 16:30	06/30/11 05:38	1
Silver	0.052	J	0.30	0.038	mg/Kg	☼	06/28/11 16:30	06/30/11 05:38	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		06/30/11 16:15	07/02/11 02:38	1
Barium	0.56		0.50	0.010	mg/L		06/30/11 16:15	07/02/11 02:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 02:38	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1252B01 (8-10)

Lab Sample ID: 500-35870-16

Date Collected: 06/24/11 14:00

Matrix: Solid

Date Received: 06/24/11 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 02:38	1
Lead	0.018		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 02:38	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 02:38	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 02:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 10:01	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.020	0.0020	mg/Kg	☼	06/27/11 12:00	06/27/11 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.15	J B	0.27	0.031	mg/Kg	☼	06/29/11 12:00	06/29/11 15:23	1
pH	8.05		0.200	0.200	SU			07/01/11 12:40	1

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

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control 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
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control 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 is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To: Dean Teibert
 Contact: E.C.
 Company: 33 W. Menden St. S. 530
 Address: Chicago IL 60603
 Address: 312.978.9243
 Phone: 312.576.9345
 Fax: 312.576.9345
 E-Mail: stteibert@enviro.co

(optional)

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PCN/Reference#: _____

Chain of Custody Record

Lab Job #: 500-35870
 Chain of Custody Number: EE6-12-03
 Page 1 of 1
 Temperature °C of Cooler: (3.6) (33)

Client	Project Name	Client Project #	Preservative	Parameter	Mark # Containers	Sampling		Date	Time	Mark	Comments
						Date	Time				
W. Leacy - Environmental	3133 V.I. 12-01				2	5	6-23-11	1510		X	
Traxing Park Road (JL 19)					2	5	6-23-11	1515		X	
DuPage County, IL	5672				2	5	6-24-11	0825		X	
Scott Cooper	Dick Wright				2	5	6-24-11	0840		X	
					2	5	6-24-11	0845		X	
					3	5	6-24-11	0900		X	
					2	5	6-24-11	0905		X	
					3	5	6-24-11	1300		X	
					2	5	6-24-11	1315		X	
					4	5	6-24-11			X	

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

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

Requested Due Date: _____

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

Relinquished By: [Signature] Company: Enviro Date: 6-24-11 Time: 1450

Received By: [Signature] Company: AL Date: 6-24-11 Time: 1630

Lab Counter: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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

(optional)

(optional)

Chain of Custody Record

Lab Job #: **500-35870**
 Chain of Custody Number: **EA-12-04**
 Page **1** of **2**
 Temperature °C of Cooler: _____

Report To: **Dean Tebrat**
 Contact: **E.E**
 Company: **33 W. Walnut St. In. k. 550**
 Address: **Whiting, IL 60407**
 Phone: **712 578 9647**
 Fax: **712 578 9345**
 E-Mail: **dfriedberg@mac.com**

Client	Project Name	Client Project #	Preservative	Parameter	Sample Disposal		# Containers	Mark	Time	Date	Sample ID	MS/MS	MS/MS	Comments
					Return to Client	Disposal by Lab								
Ecology - Environment	Irving Park Reg. I (IL 19)	3133 ✓ E12.01	Voc	Svoc	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3	S	6-24-11	1020	E1257B01 (2-4)	10	X	P.R. Metals P.P. Trace Metals + Ba pH / % Solids Wash Disposal
					<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	S	6-24-11	1025	E1257B01 (10-12)	11	X	
					<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	S	6-24-11	1025	E1257B01 D (10-12)	12	X	
					<input checked="" type="checkbox"/>	<input type="checkbox"/>	3	S	6-24-11	1115	E1253B01 (0-2)	13	X	
					<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	S	6-24-11	1130	E1253B01 (6-8)	14	X	
					<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	S	6-24-11	1225	E1253B02 (2-4)		X	

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

Reinquisitioned By: **SAZ** Company: **E.E** Date: **6-24-11** Time: **1450**
 Received By: **Heat** Company: **APL** Date: **6-24-11** Time: **1615**

Reinquisitioned By: _____ Company: _____ Date: _____ Time: _____
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: **TA**
 Shipped: _____
 Hand Delivered: _____

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

Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
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 Contact: E.E
 Company: 33 W. Kinross St. Joliet, IL 60433
 Address: Chicago, IL 60603
 Address: 312-576-9247
 Phone: 312-576-9305
 Fax: JTichid@ac.com
 E-Mail:

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#

Chain of Custody Record
 Lab Job #: 500-35870
 Chain of Custody Number: EE6-12-05
 Page 2 of 2
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Preservative		Matrix	Comments
						Parameter	# Containers		
15		E1252-B01 (0-2)	6-24-11	1355	3 S				
16		E1252-B01 (8-70)	6-24-11	1400	2 S				
17		E1252-B02 (2-4)	6-24-11	1430	2 S				
18		E1252-B02 (6-8)	6-24-11	1475	2 S				

- Preservative Key
- HCL, Cool to 4°
 - H2SO4, Cool to 4°
 - HNO3, Cool to 4°
 - NaOH, Cool to 4°
 - NaOH/Zn, Cool to 4°
 - NaHSO4
 - Cool to 4°
 - None
 - Other

Client: Ecology - Environment
 Project Name: Irving Park Road (7C19)
 Lab Project #: 5672
 Lab PM: Dick Wright
 Sampler: Scott Cooper
 Client Project #: 3133 VI12.01
 Matrix: PH / g s.s. / 25
 Matrix: TCRP PCB
 Matrix: Metals
 Matrix: PAH
 Matrix: Metals
 Matrix: W/PC Disposal

Turnaround Time Required (Business Days)
 Requisitioned Due Date: 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

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

Relinquished By: SAS Company: E.E Date: 6-24-11 Time: 1:50
 Relinquished By: _____ Company: _____ Date: _____ Time: _____
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: that Company: that Date: 6-24-11 Time: 1410
 Received By: _____ Company: _____ Date: _____ Time: _____
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.95835 Longitude: -87.93981
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	<u>Illinois Department of Transportation</u>	Name:	_____
Street Address:	<u>201 West Center Court</u>	Street Address:	_____
PO Box:	_____	PO Box:	_____
City:	<u>Schaumburg</u> State: <u>IL</u>	City:	_____ State: _____
Zip Code:	<u>60196-1096</u> Phone: <u>847-705-4159</u>	Zip Code:	_____ Phone: _____
Contact:	<u>Sam Mead</u>	Contact:	_____
Email, if available:	<u>Sam.Mead@illinois.gov</u>	Email, if available:	_____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.95835 Longitude: -87.93981

Uncontaminated Site 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 E1253B01 and E1253B02 were sampled within the construction zone adjacent to ISGS #1583V-53: Towne Center Condos. Refer to PSI Report for ISGS #1583V-53: Towne Center Condos including Table 4-5, and Figure 4-3A.

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

See attached data summary table and associated laboratory data package J35870.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

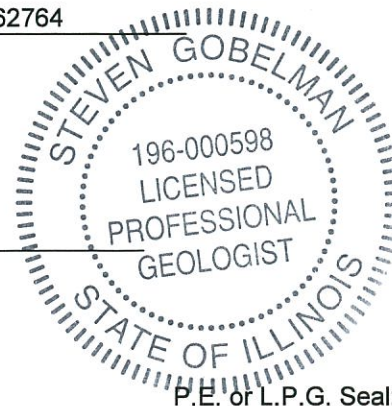
Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/13/10

Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-53 (Towne Center Condos)		Comparison Criteria			
	E1253B01	E1253B02	MACs			TACO SCGIER
BORING			Most Stringent	Within an MSA	Within Chicago	
SAMPLE	E1253B01 (0-2)	E1253B02 (2-4)				
MATRIX	Soil	Soil				
DEPTH (m)	0.0-0.6	0.6-1.2				
pH	8.06	8.08				
VOCs (None Detected)						
SVOCs (µg/kg)						
Acenaphthene	20 J	ND U	570,000	--	--	--
Acenaphthylene	8.3 J	ND U	85,000	--	--	--
Anthracene	76	ND U	12,000,000	--	--	--
Benzo[a]anthracene	470	ND U	900	1,800	1,100	--
Benzo[a]pyrene	430 †	ND U	90	2,100	1,300	--
Benzo[b]fluoranthene	530	ND U	900	2,100	1,500	--
Benzo[g,h,i]perylene	380	ND U	2,300,000	--	--	--
Benzo[k]fluoranthene	300	ND U	9,000	--	--	--
Chrysene	560	ND U	88,000	--	--	--
Dibenzo(a,h)anthracene	110 †	ND U	90	420	200	--
Fluoranthene	1,100	ND U	3,100,000	--	--	--
Fluorene	30 J	ND U	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	310	ND U	900	1,600	900	--
Phenanthrene	540	ND U	210,000	--	--	--
Pyrene	930	ND U	2,300,000	--	--	--
Inorganics (mg/kg)						
Antimony	0.46 J	0.23 J	5	--	--	0.006
Arsenic	6.5	7.1	11.3	13	--	0.05
Barium	86	70	1,500	--	--	2
Beryllium	0.62	0.65	22	--	--	0.004
Cadmium	0.40	0.47	5.2	--	--	0.005
Chromium	17 B	20 B	21	--	--	0.1
Copper	22	24	2,900	--	--	0.65
Lead	27	11	107	--	--	0.0075
Mercury	0.048	0.026	0.89	--	--	0.002
Nickel	19	28	100	--	--	0.1
Zinc	67	43	5,100	--	--	5
TCLP Metals (mg/L)						
Barium	0.48 J	0.57	1,500	--	--	2
Zinc	0.022 J	ND U	5,100	--	--	5

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-35870-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout

Cindy Pritchard

Authorized for release by:
07/11/2011 04:22:31 PM
Cindy Pritchard
Project Mgmt. Assistant
cindy.pritchard@testamericainc.com
Designee for
Richard Wright
Project Manager II
richard.wright@testamericainc.com

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Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-35870-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1257B01D (10-12) (500-35870-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 117485 exceeded control limits for the following analyte: Toluene. The laboratory control sample (LCS) was within limits.

Method(s) 8260B: The laboratory control sample (LCS) for batch 117834 exceeded control limits for the following analyte: trans-1,3-Dichloropropene.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: 500-35870-8 had 2,4,6-Terphenyl-d14 at 134% (46%-126%). All other surrogate recoveries were within limits. No further action was required. E1251B01 (0-2) (500-35870-8)

Method(s) 8270C: The laboratory control sample (LCS) for batch 117871 was below control limits for the following analytes: Hexachlorobutadiene at 57% (62%-110%) and 1,2,4-Trichlorobenzene at 63% (65%-102%), but was within the marginal exceedence. No further action was required. E1251B01 (0-2) (500-35870-8), E1251B02 (0-2) (500-35870-9), E1252B01 (0-2) (500-35870-15), E1252B01 (8-10) (500-35870-16), E1252B02 (2-4) (500-35870-17), E1252B02 (6-8) (500-35870-18), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B13 (10-12) (500-35870-2), E1259B13 (2-4) (500-35870-1), E1259B14 (0-2) (500-35870-6), E1259B14 (2-4) (500-35870-7), E1259B15 (0-2) (500-35870-4), E1259B15 (2-4) (500-35870-5), E1259B16 (0-2) (500-35870-3)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 117871 were outside control limits. All RPD's were < 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria, for this MS/MSD. No further action was required. E1259B13 (2-4) (500-35870-1)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1260. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B14 (0-2) (500-35870-6)

Method(s) 8082: The matrix spike (MS) recoveries for batch 117859 were outside control limits for AR1260. The associated laboratory control sample (LCS) and matrix spike duplicate (MSD) recoveries met acceptance criteria. E1259B14 (0-2) (500-35870-6)

Method(s) 8081A: The laboratory control sample (LCS) for preparation batch 118307 exceeded control limits for the following analyte: gamma-BHC (Lindane) at 73% (Limit is 74%-118%). The affected samples were non detects for this analyte, and the data has been reported. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: Chlordane (technical), Methoxychlor, Endrin, and gamma-BHC (Lindane).E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-35870-6, was outside control limits for Cr and Pb.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-35870-6 was outside the control limits for As and Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-35870-6 were outside control limits for As. The MSD was also out for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1253B01 (0-2)

Lab Sample ID: 500-35870-13

Date Collected: 06/24/11 11:15

Matrix: Solid

Date Received: 06/24/11 14:50

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/06/11 20:10	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/06/11 20:10	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/06/11 20:10	20
Chloroform	<0.020		0.020	0.010	mg/L			07/06/11 20:10	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/06/11 20:10	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/06/11 20:10	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/06/11 20:10	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/06/11 20:10	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/06/11 20:10	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/06/11 20:10	20

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 124		07/06/11 20:10	20
Toluene-d8 (Surr)	106		80 - 121		07/06/11 20:10	20
4-Bromofluorobenzene (Surr)	97		77 - 112		07/06/11 20:10	20
Dibromofluoromethane	109		78 - 119		07/06/11 20:10	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<5.1		5.1	0.84	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Vinyl chloride	<5.1		5.1	0.72	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Bromomethane	<5.1		5.1	1.1	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Chloroethane	<5.1		5.1	1.1	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
1,1-Dichloroethene	<5.1		5.1	0.81	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Carbon disulfide	<5.1		5.1	0.73	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Acetone	<5.1		5.1	2.5	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Methylene Chloride	<5.1		5.1	1.4	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
trans-1,2-Dichloroethene	<5.1		5.1	0.73	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Methyl tert-butyl ether	<5.1		5.1	0.77	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
1,1-Dichloroethane	<5.1		5.1	0.81	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
cis-1,2-Dichloroethene	<5.1		5.1	0.75	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Methyl Ethyl Ketone	<5.1		5.1	1.1	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Chloroform	<5.1		5.1	0.95	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
1,1,1-Trichloroethane	<5.1		5.1	0.99	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Carbon tetrachloride	<5.1		5.1	1.1	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Benzene	<5.1		5.1	0.56	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
1,2-Dichloroethane	<5.1		5.1	0.52	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Trichloroethene	<5.1		5.1	0.83	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
1,2-Dichloropropane	<5.1		5.1	1.2	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Bromodichloromethane	<5.1		5.1	0.78	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
cis-1,3-Dichloropropene	<5.1		5.1	0.59	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
methyl isobutyl ketone	<5.1		5.1	0.87	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Toluene	<5.1		5.1	1.0	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
trans-1,3-Dichloropropene	<5.1 *		5.1	1.2	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
1,1,2-Trichloroethane	<5.1		5.1	0.69	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Tetrachloroethene	<5.1		5.1	0.98	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
2-Hexanone	<5.1		5.1	0.73	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Dibromochloromethane	<5.1		5.1	0.71	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Chlorobenzene	<5.1		5.1	0.81	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1
Ethylbenzene	<5.1		5.1	0.77	ug/Kg	*	06/24/11 11:15	06/28/11 12:55	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1253B01 (0-2)

Lab Sample ID: 500-35870-13

Date Collected: 06/24/11 11:15

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 79.8

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<5.1		5.1	0.65	ug/Kg	☼	06/24/11 11:15	06/28/11 12:55	1
Bromoform	<5.1		5.1	0.83	ug/Kg	☼	06/24/11 11:15	06/28/11 12:55	1
1,1,2,2-Tetrachloroethane	<5.1		5.1	0.70	ug/Kg	☼	06/24/11 11:15	06/28/11 12:55	1
Xylenes, Total	<10		10	0.72	ug/Kg	☼	06/24/11 11:15	06/28/11 12:55	1
1,3-Dichloropropene, Total	<5.1		5.1	0.59	ug/Kg	☼	06/24/11 11:15	06/28/11 12:55	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		69 - 120	06/24/11 11:15	06/28/11 12:55	1
Toluene-d8 (Surr)	91		69 - 122	06/24/11 11:15	06/28/11 12:55	1
4-Bromofluorobenzene (Surr)	94		67 - 120	06/24/11 11:15	06/28/11 12:55	1
Dibromofluoromethane	107		69 - 120	06/24/11 11:15	06/28/11 12:55	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	89	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2,4,6-Trichlorophenol	<400		400	86	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2,4-Dichlorophenol	<400		400	51	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2,4-Dimethylphenol	<400		400	130	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2,4-Dinitrophenol	<810		810	290	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2,4-Dinitrotoluene	<200		200	41	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2,6-Dinitrotoluene	<200		200	27	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2-Chloronaphthalene	<200		200	16	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2-Chlorophenol	<200		200	21	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2-Methylnaphthalene	<200		200	16	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2-Methylphenol	<200		200	30	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2-Nitroaniline	<200		200	23	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2-Nitrophenol	<400		400	120	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
3,3'-Dichlorobenzidine	<200		200	29	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
3-Nitroaniline	<400		400	70	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
4,6-Dinitro-2-methylphenol	<400		400	75	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
4-Bromophenyl phenyl ether	<200		200	25	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
4-Chloro-3-methylphenol	<400		400	98	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
4-Chloroaniline	<810		810	130	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
4-Chlorophenyl phenyl ether	<200		200	44	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
4-Nitroaniline	<400		400	69	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
4-Nitrophenol	<810		810	320	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Acenaphthene	20	J	40	8.4	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Acenaphthylene	8.3	J	40	6.2	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Anthracene	76		40	7.3	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Benzo[a]anthracene	470		40	8.6	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Benzo[a]pyrene	430		40	7.7	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Benzo[b]fluoranthene	530		40	8.3	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Benzo[g,h,i]perylene	380		40	9.8	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Benzo[k]fluoranthene	300		40	9.4	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Bis(2-chloroethoxy)methane	<200		200	16	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Bis(2-chloroethyl)ether	<200		200	23	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Bis(2-ethylhexyl) phthalate	<200		200	22	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Butyl benzyl phthalate	<200		200	34	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Carbazole	<200		200	22	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Chrysene	560		40	13	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1253B01 (0-2)

Lab Sample ID: 500-35870-13

Date Collected: 06/24/11 11:15

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 79.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	110		40	10	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Dibenzofuran	<200		200	45	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Diethyl phthalate	<200		200	44	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Dimethyl phthalate	<200		200	18	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Di-n-butyl phthalate	<200		200	22	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Di-n-octyl phthalate	<200		200	32	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
1,3-Dichlorobenzene	<200		200	22	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Fluoranthene	1100		40	7.5	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Fluorene	30	J	40	7.6	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Hexachlorobenzene	<81		81	7.7	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Hexachlorobutadiene	<200	*	200	31	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Hexachlorocyclopentadiene	<810		810	400	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Hexachloroethane	<200		200	30	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Indeno[1,2,3-cd]pyrene	310		40	10	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Isophorone	<200		200	89	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Naphthalene	<40		40	7.3	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Nitrobenzene	<40		40	9.7	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
1,4-Dichlorobenzene	<200		200	23	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
2,2'-oxybis[1-chloropropane]	<200		200	43	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
N-Nitrosodi-n-propylamine	<200		200	28	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
N-Nitrosodiphenylamine	<200		200	22	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Pentachlorophenol	<810		810	130	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Phenanthrene	540		40	7.9	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Phenol	<200		200	42	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
Pyrene	930		40	14	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
1,2-Dichlorobenzene	<200		200	22	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
1,2,4-Trichlorobenzene	<200	*	200	25	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1
3 & 4 Methylphenol	<200		200	40	ug/Kg	☼	06/28/11 07:07	07/08/11 16:26	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		27 - 113	06/28/11 07:07	07/08/11 16:26	1
2-Fluorophenol	51		30 - 110	06/28/11 07:07	07/08/11 16:26	1
Nitrobenzene-d5	50		22 - 110	06/28/11 07:07	07/08/11 16:26	1
Phenol-d5	58		26 - 112	06/28/11 07:07	07/08/11 16:26	1
2,4,6-Tribromophenol	97		30 - 137	06/28/11 07:07	07/08/11 16:26	1
Terphenyl-d14	84		33 - 129	06/28/11 07:07	07/08/11 16:26	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:13	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:13	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:13	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:13	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:13	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:13	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:13	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/01/11 10:30	07/06/11 19:13	1
Pyridine	<0.20		0.20	0.10	mg/L		07/01/11 10:30	07/06/11 19:13	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/01/11 10:30	07/06/11 19:13	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:13	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1253B01 (0-2)

Lab Sample ID: 500-35870-13

Date Collected: 06/24/11 11:15

Matrix: Solid

Date Received: 06/24/11 14:50

Method: 8270C - TCLP Semivolatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 19:13	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	37		20 - 100				07/01/11 10:30	07/06/11 19:13	1
Phenol-d5	25		20 - 100				07/01/11 10:30	07/06/11 19:13	1
Nitrobenzene-d5	73		39 - 110				07/01/11 10:30	07/06/11 19:13	1
2-Fluorobiphenyl	67		44 - 110				07/01/11 10:30	07/06/11 19:13	1
2,4,6-Tribromophenol	86		46 - 126				07/01/11 10:30	07/06/11 19:13	1
Terphenyl-d14	97		52 - 131				07/01/11 10:30	07/06/11 19:13	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/01/11 10:25	07/01/11 21:33	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:33	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:33	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:33	1
gamma-BHC (Lindane)	<0.0050	*	0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:33	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/01/11 10:25	07/01/11 21:33	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/01/11 10:25	07/01/11 21:33	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		36 - 126				07/01/11 10:25	07/01/11 21:33	1
Tetrachloro-m-xylene	75		42 - 120				07/01/11 10:25	07/01/11 21:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<21		21	5.0	ug/Kg	☼	06/27/11 20:36	06/30/11 09:59	1
PCB-1221	<21		21	7.8	ug/Kg	☼	06/27/11 20:36	06/30/11 09:59	1
PCB-1232	<21		21	7.2	ug/Kg	☼	06/27/11 20:36	06/30/11 09:59	1
PCB-1242	<21		21	6.3	ug/Kg	☼	06/27/11 20:36	06/30/11 09:59	1
PCB-1248	<21		21	7.1	ug/Kg	☼	06/27/11 20:36	06/30/11 09:59	1
PCB-1254	<21		21	6.5	ug/Kg	☼	06/27/11 20:36	06/30/11 09:59	1
PCB-1260	<21		21	6.7	ug/Kg	☼	06/27/11 20:36	06/30/11 09:59	1
Polychlorinated biphenyls, Total	<21		21	5.0	ug/Kg	☼	06/27/11 20:36	06/30/11 09:59	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	75		28 - 124				06/27/11 20:36	06/30/11 09:59	1
DCB Decachlorobiphenyl	56		38 - 130				06/27/11 20:36	06/30/11 09:59	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		06/30/11 09:50	07/01/11 08:21	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		06/30/11 09:50	07/01/11 08:21	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	87		30 - 110				06/30/11 09:50	07/01/11 08:21	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/30/11 16:15	07/02/11 01:46	1
Barium	0.48	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 01:46	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1253B01 (0-2)

Lab Sample ID: 500-35870-13

Date Collected: 06/24/11 11:15

Matrix: Solid

Date Received: 06/24/11 14:50

Method: 6010B - PPL+Ba Metals - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 01:46	1
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:46	1
Copper	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:46	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 01:46	1
Nickel	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:46	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:46	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 01:46	1
Zinc	0.022	J	0.10	0.020	mg/L		06/30/11 16:15	07/02/11 01:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.46	J	1.2	0.14	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Arsenic	6.5		0.59	0.082	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Beryllium	0.62		0.24	0.012	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Cadmium	0.40		0.12	0.016	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Chromium	17	B	0.59	0.050	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Copper	22		0.59	0.082	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Lead	27		0.29	0.14	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Nickel	19		0.59	0.039	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Selenium	<0.59		0.59	0.16	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Thallium	<0.59		0.59	0.20	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Zinc	67		1.2	0.094	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1
Barium	86		0.59	0.033	mg/Kg	☼	06/28/11 16:30	06/30/11 05:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		06/30/11 16:15	07/07/11 11:14	1
Thallium	<0.0020		0.0020	0.0020	mg/L		06/30/11 16:15	07/07/11 11:14	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:52	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.020	0.0020	mg/Kg	☼	06/27/11 12:00	06/27/11 15:06	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			06/30/11 14:07	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<48		48	5.5	mg/Kg		06/30/11 10:52	06/30/11 16:00	1
Cyanide, Reactive	0.083	J	0.24	0.061	mg/Kg		06/29/11 12:00	06/29/11 15:25	1
pH	8.06		0.200	0.200	SU			07/01/11 11:17	1
Paint Filter	pass				mL/100g			06/30/11 18:15	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1253B02 (2-4)

Lab Sample ID: 500-35870-14

Date Collected: 06/24/11 12:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 82.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.5		4.5	0.73	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Vinyl chloride	<4.5		4.5	0.63	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Bromomethane	<4.5		4.5	0.96	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Chloroethane	<4.5		4.5	0.94	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
1,1-Dichloroethene	<4.5		4.5	0.71	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Carbon disulfide	<4.5		4.5	0.64	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Acetone	<4.5		4.5	2.2	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Methylene Chloride	<4.5		4.5	1.3	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
trans-1,2-Dichloroethene	<4.5		4.5	0.64	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Methyl tert-butyl ether	<4.5		4.5	0.67	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
1,1-Dichloroethane	<4.5		4.5	0.71	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
cis-1,2-Dichloroethene	<4.5		4.5	0.65	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Methyl Ethyl Ketone	<4.5		4.5	0.97	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Chloroform	<4.5		4.5	0.82	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
1,1,1-Trichloroethane	<4.5		4.5	0.86	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Carbon tetrachloride	<4.5		4.5	0.97	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Benzene	<4.5		4.5	0.48	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
1,2-Dichloroethane	<4.5		4.5	0.46	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Trichloroethene	<4.5		4.5	0.72	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
1,2-Dichloropropane	<4.5		4.5	1.0	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Bromodichloromethane	<4.5		4.5	0.68	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
cis-1,3-Dichloropropene	<4.5		4.5	0.51	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
methyl isobutyl ketone	<4.5		4.5	0.76	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Toluene	<4.5		4.5	0.87	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
trans-1,3-Dichloropropene	<4.5 *		4.5	1.0	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
1,1,2-Trichloroethane	<4.5		4.5	0.60	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Tetrachloroethene	<4.5		4.5	0.85	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
2-Hexanone	<4.5		4.5	0.64	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Dibromochloromethane	<4.5		4.5	0.62	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Chlorobenzene	<4.5		4.5	0.71	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Ethylbenzene	<4.5		4.5	0.67	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Styrene	<4.5		4.5	0.56	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Bromoform	<4.5		4.5	0.72	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
1,1,2,2-Tetrachloroethane	<4.5		4.5	0.61	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
Xylenes, Total	<8.9		8.9	0.63	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1
1,3-Dichloropropene, Total	<4.5		4.5	0.51	ug/Kg	*	06/24/11 12:25	06/28/11 13:20	1

Surrogate

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		69 - 120	06/24/11 12:25	06/28/11 13:20	1
Toluene-d8 (Surr)	92		69 - 122	06/24/11 12:25	06/28/11 13:20	1
4-Bromofluorobenzene (Surr)	97		67 - 120	06/24/11 12:25	06/28/11 13:20	1
Dibromofluoromethane	106		69 - 120	06/24/11 12:25	06/28/11 13:20	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	87	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2,4,6-Trichlorophenol	<390		390	84	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2,4-Dichlorophenol	<390		390	49	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2,4-Dimethylphenol	<390		390	130	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2,4-Dinitrophenol	<790		790	290	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1253B02 (2-4)

Lab Sample ID: 500-35870-14

Date Collected: 06/24/11 12:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 82.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<200		200	40	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2,6-Dinitrotoluene	<200		200	26	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2-Chloronaphthalene	<200		200	16	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2-Chlorophenol	<200		200	20	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2-Methylnaphthalene	<200		200	15	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2-Methylphenol	<200		200	29	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2-Nitroaniline	<200		200	23	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2-Nitrophenol	<390		390	110	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
3,3'-Dichlorobenzidine	<200		200	29	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
3-Nitroaniline	<390		390	68	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
4,6-Dinitro-2-methylphenol	<390		390	73	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
4-Bromophenyl phenyl ether	<200		200	24	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
4-Chloro-3-methylphenol	<390		390	95	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
4-Chloroaniline	<790		790	120	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
4-Chlorophenyl phenyl ether	<200		200	43	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
4-Nitroaniline	<390		390	67	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
4-Nitrophenol	<790		790	310	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Acenaphthene	<39		39	8.1	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Acenaphthylene	<39		39	6.0	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Anthracene	<39		39	7.1	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Benzo[a]anthracene	<39		39	8.4	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Benzo[b]fluoranthene	<39		39	8.1	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Benzo[g,h,i]perylene	<39		39	9.5	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Benzo[k]fluoranthene	<39		39	9.1	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Bis(2-chloroethoxy)methane	<200		200	16	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Bis(2-chloroethyl)ether	<200		200	23	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Bis(2-ethylhexyl) phthalate	<200		200	21	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Butyl benzyl phthalate	<200		200	33	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Carbazole	<200		200	21	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Chrysene	<39		39	12	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Dibenz(a,h)anthracene	<39		39	9.8	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Dibenzofuran	<200		200	44	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Diethyl phthalate	<200		200	42	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Dimethyl phthalate	<200		200	17	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Di-n-butyl phthalate	<200		200	22	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Di-n-octyl phthalate	<200		200	31	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
1,3-Dichlorobenzene	<200		200	21	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Fluoranthene	<39		39	7.3	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Fluorene	<39		39	7.4	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Hexachlorobenzene	<79		79	7.5	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Hexachlorobutadiene	<200 *		200	30	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Hexachlorocyclopentadiene	<790		790	390	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Hexachloroethane	<200		200	30	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Indeno[1,2,3-cd]pyrene	<39		39	9.9	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Isophorone	<200		200	87	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Naphthalene	<39		39	7.1	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
Nitrobenzene	<39		39	9.4	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
1,4-Dichlorobenzene	<200		200	22	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1
2,2'-oxybis[1-chloropropane]	<200		200	42	ug/Kg	*	06/28/11 07:07	07/08/11 16:47	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1253B02 (2-4)

Lab Sample ID: 500-35870-14

Date Collected: 06/24/11 12:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 82.5

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<200		200	27	ug/Kg	☼	06/28/11 07:07	07/08/11 16:47	1
N-Nitrosodiphenylamine	<200		200	21	ug/Kg	☼	06/28/11 07:07	07/08/11 16:47	1
Pentachlorophenol	<790		790	130	ug/Kg	☼	06/28/11 07:07	07/08/11 16:47	1
Phenanthrene	<39		39	7.7	ug/Kg	☼	06/28/11 07:07	07/08/11 16:47	1
Phenol	<200		200	41	ug/Kg	☼	06/28/11 07:07	07/08/11 16:47	1
Pyrene	<39		39	13	ug/Kg	☼	06/28/11 07:07	07/08/11 16:47	1
1,2-Dichlorobenzene	<200		200	21	ug/Kg	☼	06/28/11 07:07	07/08/11 16:47	1
1,2,4-Trichlorobenzene	<200 *		200	24	ug/Kg	☼	06/28/11 07:07	07/08/11 16:47	1
3 & 4 Methylphenol	<200		200	39	ug/Kg	☼	06/28/11 07:07	07/08/11 16:47	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		27 - 113	06/28/11 07:07	07/08/11 16:47	1
2-Fluorophenol	54		30 - 110	06/28/11 07:07	07/08/11 16:47	1
Nitrobenzene-d5	50		22 - 110	06/28/11 07:07	07/08/11 16:47	1
Phenol-d5	60		26 - 112	06/28/11 07:07	07/08/11 16:47	1
2,4,6-Tribromophenol	102		30 - 137	06/28/11 07:07	07/08/11 16:47	1
Terphenyl-d14	78		33 - 129	06/28/11 07:07	07/08/11 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.8	ug/Kg	☼	06/27/11 20:36	06/30/11 10:14	1
PCB-1221	<20		20	7.5	ug/Kg	☼	06/27/11 20:36	06/30/11 10:14	1
PCB-1232	<20		20	6.9	ug/Kg	☼	06/27/11 20:36	06/30/11 10:14	1
PCB-1242	<20		20	6.1	ug/Kg	☼	06/27/11 20:36	06/30/11 10:14	1
PCB-1248	<20		20	6.8	ug/Kg	☼	06/27/11 20:36	06/30/11 10:14	1
PCB-1254	<20		20	6.2	ug/Kg	☼	06/27/11 20:36	06/30/11 10:14	1
PCB-1260	<20		20	6.5	ug/Kg	☼	06/27/11 20:36	06/30/11 10:14	1
Polychlorinated biphenyls, Total	<20		20	4.8	ug/Kg	☼	06/27/11 20:36	06/30/11 10:14	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		28 - 124	06/27/11 20:36	06/30/11 10:14	1
DCB Decachlorobiphenyl	58		38 - 130	06/27/11 20:36	06/30/11 10:14	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 02:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/30/11 16:15	07/02/11 02:11	1
Barium	0.57		0.50	0.010	mg/L		06/30/11 16:15	07/02/11 02:11	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 02:11	1
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 02:11	1
Copper	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 02:11	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 02:11	1
Nickel	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 02:11	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 02:11	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 02:11	1
Zinc	<0.10		0.10	0.020	mg/L		06/30/11 16:15	07/02/11 02:11	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.23	J	1.1	0.13	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Arsenic	7.1		0.56	0.079	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1253B02 (2-4)

Lab Sample ID: 500-35870-14

Date Collected: 06/24/11 12:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 82.5

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.65		0.22	0.011	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Cadmium	0.47		0.11	0.015	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Chromium	20	B	0.56	0.048	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Copper	24		0.56	0.079	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Lead	11		0.28	0.13	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Nickel	28		0.56	0.037	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Thallium	<0.56		0.56	0.19	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Zinc	43		1.1	0.090	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1
Barium	70		0.56	0.031	mg/Kg	☼	06/28/11 16:30	06/30/11 05:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		06/30/11 16:15	07/07/11 11:18	1
Thallium	<0.0020		0.0020	0.0020	mg/L		06/30/11 16:15	07/07/11 11:18	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:54	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0019	mg/Kg	☼	06/27/11 12:00	06/27/11 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.08		0.200	0.200	SU			07/01/11 11:22	1

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

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control 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
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control 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 is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To: Dean Teibert
 Contact: E.C.
 Company: 33 W. Menden St. S. 530
 Address: Chicago IL 60603
 Address: 312.978.9243
 Phone: 312.576.9345
 Fax: St. Fire Dept. Chicago
 E-Mail:

(optional)

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PCN/Reference#

Chain of Custody Record

Lab Job #: 500-35870
 Chain of Custody Number: EE6-12-03
 Page 1 of 1
 Temperature °C of Cooler: (3.6) (33)

Client	Project Name	Client Project #	Preservative	Parameter	Mark # Containers	Sampling		Date	Time	Return to Client	Disposal by Lab	Archive for	Months	Date	Time	Lab Counter	Shipped	Hand Delivered
						Date	Time											
Client: <u>McCoy Environmental</u>	Project Name: <u>Irving Park Road (JL19)</u>	Client Project #: <u>3133 VI12-01</u>	Preservative: <u>HCL, Cool to 4°</u>	Parameter: <u>PH</u>	Mark # Containers: <u>2</u>	Sampling Date: <u>6-23-11</u>	Sampling Time: <u>1510</u>	Date: <u>6-23-11</u>	Time: <u>1510</u>	Return to Client: <u>X</u>	Disposal by Lab: <u>X</u>	Archive for: <u>X</u>	Months: <u>0</u>	Date: <u>6-24-11</u>	Time: <u>1630</u>	Lab Counter: <u>TA</u>	Shipped: <u></u>	Hand Delivered: <u></u>
Project Location/State: <u>DuPage County, IL</u>	Lab Project #: <u>5672</u>	Lab PM: <u>Dick Wright</u>	Preservative: <u>H2SO4, Cool to 4°</u>	Parameter: <u>PH</u>	Mark # Containers: <u>2</u>	Sampling Date: <u>6-23-11</u>	Sampling Time: <u>1515</u>	Date: <u>6-23-11</u>	Time: <u>1515</u>	Return to Client: <u>X</u>	Disposal by Lab: <u>X</u>	Archive for: <u>X</u>	Months: <u>0</u>	Date: <u>6-24-11</u>	Time: <u>1630</u>	Lab Counter: <u>TA</u>	Shipped: <u></u>	Hand Delivered: <u></u>
Sampled by: <u>Scott Cooper</u>	Lab Project #: <u>5672</u>	Lab PM: <u>Dick Wright</u>	Preservative: <u>HNO3, Cool to 4°</u>	Parameter: <u>PH</u>	Mark # Containers: <u>2</u>	Sampling Date: <u>6-24-11</u>	Sampling Time: <u>0825</u>	Date: <u>6-24-11</u>	Time: <u>0825</u>	Return to Client: <u>X</u>	Disposal by Lab: <u>X</u>	Archive for: <u>X</u>	Months: <u>0</u>	Date: <u>6-24-11</u>	Time: <u>1630</u>	Lab Counter: <u>TA</u>	Shipped: <u></u>	Hand Delivered: <u></u>
			Preservative: <u>NaOH, Cool to 4°</u>	Parameter: <u>PH</u>	Mark # Containers: <u>2</u>	Sampling Date: <u>6-24-11</u>	Sampling Time: <u>0840</u>	Date: <u>6-24-11</u>	Time: <u>0840</u>	Return to Client: <u>X</u>	Disposal by Lab: <u>X</u>	Archive for: <u>X</u>	Months: <u>0</u>	Date: <u>6-24-11</u>	Time: <u>1630</u>	Lab Counter: <u>TA</u>	Shipped: <u></u>	Hand Delivered: <u></u>
			Preservative: <u>NaOH/Zn, Cool to 4°</u>	Parameter: <u>PH</u>	Mark # Containers: <u>2</u>	Sampling Date: <u>6-24-11</u>	Sampling Time: <u>0845</u>	Date: <u>6-24-11</u>	Time: <u>0845</u>	Return to Client: <u>X</u>	Disposal by Lab: <u>X</u>	Archive for: <u>X</u>	Months: <u>0</u>	Date: <u>6-24-11</u>	Time: <u>1630</u>	Lab Counter: <u>TA</u>	Shipped: <u></u>	Hand Delivered: <u></u>
			Preservative: <u>NaHSO4</u>	Parameter: <u>PH</u>	Mark # Containers: <u>3</u>	Sampling Date: <u>6-24-11</u>	Sampling Time: <u>0900</u>	Date: <u>6-24-11</u>	Time: <u>0900</u>	Return to Client: <u>X</u>	Disposal by Lab: <u>X</u>	Archive for: <u>X</u>	Months: <u>0</u>	Date: <u>6-24-11</u>	Time: <u>1630</u>	Lab Counter: <u>TA</u>	Shipped: <u></u>	Hand Delivered: <u></u>
			Preservative: <u>Cool to 4°</u>	Parameter: <u>PH</u>	Mark # Containers: <u>2</u>	Sampling Date: <u>6-24-11</u>	Sampling Time: <u>0905</u>	Date: <u>6-24-11</u>	Time: <u>0905</u>	Return to Client: <u>X</u>	Disposal by Lab: <u>X</u>	Archive for: <u>X</u>	Months: <u>0</u>	Date: <u>6-24-11</u>	Time: <u>1630</u>	Lab Counter: <u>TA</u>	Shipped: <u></u>	Hand Delivered: <u></u>
			Preservative: <u>None</u>	Parameter: <u>PH</u>	Mark # Containers: <u>3</u>	Sampling Date: <u>6-24-11</u>	Sampling Time: <u>1300</u>	Date: <u>6-24-11</u>	Time: <u>1300</u>	Return to Client: <u>X</u>	Disposal by Lab: <u>X</u>	Archive for: <u>X</u>	Months: <u>0</u>	Date: <u>6-24-11</u>	Time: <u>1630</u>	Lab Counter: <u>TA</u>	Shipped: <u></u>	Hand Delivered: <u></u>
			Preservative: <u>Other</u>	Parameter: <u>PH</u>	Mark # Containers: <u>2</u>	Sampling Date: <u>6-24-11</u>	Sampling Time: <u>1315</u>	Date: <u>6-24-11</u>	Time: <u>1315</u>	Return to Client: <u>X</u>	Disposal by Lab: <u>X</u>	Archive for: <u>X</u>	Months: <u>0</u>	Date: <u>6-24-11</u>	Time: <u>1630</u>	Lab Counter: <u>TA</u>	Shipped: <u></u>	Hand Delivered: <u></u>

Sample Disposal

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

(A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: [Signature] Company: TestAmerica Date: 6-24-11 Time: 1450
 Relinquished By: [Signature] Company: TestAmerica Date: 6-24-11 Time: 1450
 Received By: [Signature] Company: TestAmerica Date: 6-24-11 Time: 1630
 Received By: [Signature] Company: TestAmerica Date: 6-24-11 Time: 1630

Lab Comments: _____
 Client Comments: _____

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

Report To: Dean Tebrat
 Contact: E.E
 Company: 33 W. Murray St. In. k 550
 Address: Chicago, IL 60607
 Address: Chicago, IL 60607
 Phone: 312 578 9647
 Fax: 312 578 9345
 E-Mail: dtibrat@mac.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PCW/Reference: _____

Chain of Custody Number: EA-12-01
 Page 1 of 2
 Temperature °C of Cooler: _____

Chain of Custody Record
 Lab Job #: 500-35870

Client	Project Name	Client Project #	Preservative	Parameter	# Containers	Mark	Sampling		Comments	Preservative Key
							Date	Time		
Ecology - Environment	Irving Park Reg. I (19)	3133 ✓ E12.01		VOC	3	S	6-24-11	1020	X	1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Location/State	DuPage County, IL	5672		SVOL	2	S	6-24-11	1025	X	
Sample	Scott Cooper	Dick Wright			2	S	6-24-11	1025	X	
					3	S	6-24-11	1115	X	
					2	S	6-24-11	1130	X	
					2	S	6-24-11	1225	X	

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

Requested Due Date: _____

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

Reinquisitioned By: SAZ Company: E.E Date: 6-24-11 Time: 1450

Received By: GLC Company: GLC Date: 6-24-11 Time: 1615

Reinquisitioned By: _____ Company: _____ Date: _____ Time: _____

Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Dean Robert
 Contact: E.E
 Company: 33 W. Walnut St. Joliet, IL 60433
 Address: Chicago, IL 60603
 Address: 312-576-9247
 Phone: 312-576-9305
 Fax: JTichid@ac.com
 E-Mail:

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#

Chain of Custody Record
 Lab Job #: 500-35870
 Chain of Custody Number: EE6-12-05
 Page 2 of 2
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix	Preservative	Parameter	Matrix	Containers	Preservative Key	Comments
15		E1252-B01 (0-2)	6-24-11	1355	3 S			X	X	1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
16		E1252-B01 (8-70)	6-24-11	1400	2 S			X	X		
17		E1252-B02 (2-4)	6-24-11	1430	2 S			X	X		
18		E1252-B02 (6-8)	6-24-11	1475	2 S			X	X		

Turnaround Time Required (Business Days)
 Requisitioned Due Date: 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

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

Relinquished By: SAS Company: E.E Date: 6-24-11 Time: 1:50
 Received By: that Company: that Date: 6-24-11 Time: 1410

Relinquished By: _____ Company: _____ Date: _____ Time: _____
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

3-30 N. York Street

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.95820 Longitude: -87.93947
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 0434145086 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.95820 Longitude: -87.93947

Uncontaminated Site 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 E1257B01 was sampled within the construction zone adjacent to ISGS #1583V-57: Vacant Lots. Refer to PSI Report for ISGS #1583V-57: Vacant Lots including Table 4-5, and Figure 4-3A.

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

See attached data summary table and associated laboratory data package J35870.

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

I, Steven Gobelman (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: Illinois Department of Transportation


Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

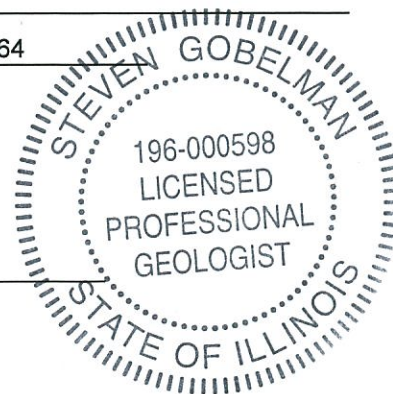
Phone: 217-785-4246

Steven Gobelman

Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15
 Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-57 (Vacant Lots)			Comparison Criteria			
	E1257B01			MACs			TACO SCGIER
BORING				Most Stringent	Within an MSA	Within Chicago	
SAMPLE	E1257B01 (2-4)	E1257B01 (10-12)	E1257B01D (10-12)				
MATRIX	Soil	Soil	Soil				
DEPTH (m)	0.6-1.2	3.1-3.7	3.1-3.7				
pH	8.40	8.37	8.17				
VOCs (µg/kg)							
Acetone	ND U	4.2 J	ND U	25,000	--	--	--
SVOCs (µg/kg)							
Benzo[a]anthracene	ND U	10 J	ND U	900	1,800	1,100	--
Benzo[a]pyrene	31 J	27 J	15 J	90	2,100	1,300	--
Benzo[b]fluoranthene	31 J	38	24 J	900	2,100	1,500	--
Benzo[g,h,i]perylene	52	52	41	2,300,000	--	--	--
Benzo[k]fluoranthene	15 J	13 J	9.5 J	9,000	--	--	--
Chrysene	ND U	25 J	ND U	88,000	--	--	--
Dibenzo(a,h)anthracene	47	36 J	20 J	90	420	200	--
Fluoranthene	ND U	10 J	10 J	3,100,000	--	--	--
Indeno[1,2,3-cd]pyrene	52	33 J	25 J	900	1,600	900	--
Phenanthrene	ND U	23 J	19 J	210,000	--	--	--
Pyrene	ND U	23 J	15 J	2,300,000	--	--	--
Inorganics (mg/kg)							
Antimony	0.29 J	0.22 J	0.20 J	5	--	--	0.006
Arsenic	7.3	8.0	6.9	11.3	13	--	0.05
Barium	56	39	40	1,500	--	--	2
Beryllium	0.59	0.52	0.55	22	--	--	0.004
Cadmium	0.40	0.38	0.39	5.2	--	--	0.005
Chromium	18 B	17 B	18 B	21	--	--	0.1
Copper	26	24	23	2,900	--	--	0.65
Lead	11	10	10	107	--	--	0.0075
Mercury	0.013 J	0.018 J	0.016 J	0.89	--	--	0.002
Nickel	24	25	24	100	--	--	0.1
Thallium	ND U	ND U	0.30 J	2.6	--	--	0.002
Zinc	40	41	41	5,100	--	--	5
TCLP Metals (mg/L)							
Barium	0.46 J	0.38 J	0.40 J	1,500	--	--	2
Zinc	0.033 J	ND U	0.026 J	5,100	--	--	5

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-35870-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout

Cindy Pritchard

Authorized for release by:
07/11/2011 04:22:31 PM
Cindy Pritchard
Project Mgmt. Assistant
cindy.pritchard@testamericainc.com
Designee for
Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-35870-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1257B01D (10-12) (500-35870-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 117485 exceeded control limits for the following analyte: Toluene. The laboratory control sample (LCS) was within limits.

Method(s) 8260B: The laboratory control sample (LCS) for batch 117834 exceeded control limits for the following analyte: trans-1,3-Dichloropropene.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: 500-35870-8 had 2,4,6-Terphenyl-d14 at 134% (46%-126%). All other surrogate recoveries were within limits. No further action was required. E1251B01 (0-2) (500-35870-8)

Method(s) 8270C: The laboratory control sample (LCS) for batch 117871 was below control limits for the following analytes: Hexachlorobutadiene at 57% (62%-110%) and 1,2,4-Trichlorobenzene at 63% (65%-102%), but was within the marginal exceedence. No further action was required. E1251B01 (0-2) (500-35870-8), E1251B02 (0-2) (500-35870-9), E1252B01 (0-2) (500-35870-15), E1252B01 (8-10) (500-35870-16), E1252B02 (2-4) (500-35870-17), E1252B02 (6-8) (500-35870-18), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B13 (10-12) (500-35870-2), E1259B13 (2-4) (500-35870-1), E1259B14 (0-2) (500-35870-6), E1259B14 (2-4) (500-35870-7), E1259B15 (0-2) (500-35870-4), E1259B15 (2-4) (500-35870-5), E1259B16 (0-2) (500-35870-3)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 117871 were outside control limits. All RPD's were < 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria, for this MS/MSD. No further action was required. E1259B13 (2-4) (500-35870-1)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1260. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B14 (0-2) (500-35870-6)

Method(s) 8082: The matrix spike (MS) recoveries for batch 117859 were outside control limits for AR1260. The associated laboratory control sample (LCS) and matrix spike duplicate (MSD) recoveries met acceptance criteria. E1259B14 (0-2) (500-35870-6)

Method(s) 8081A: The laboratory control sample (LCS) for preparation batch 118307 exceeded control limits for the following analyte: gamma-BHC (Lindane) at 73% (Limit is 74%-118%). The affected samples were non detects for this analyte, and the data has been reported. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: Chlordane (technical), Methoxychlor, Endrin, and gamma-BHC (Lindane).E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-35870-6, was outside control limits for Cr and Pb.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-35870-6 was outside the control limits for As and Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-35870-6 were outside control limits for As. The MSD was also out for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01 (2-4)

Lab Sample ID: 500-35870-10

Date Collected: 06/24/11 10:20

Matrix: Solid

Date Received: 06/24/11 14:50

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/06/11 19:44	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/06/11 19:44	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/06/11 19:44	20
Chloroform	<0.020		0.020	0.010	mg/L			07/06/11 19:44	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/06/11 19:44	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/06/11 19:44	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/06/11 19:44	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/06/11 19:44	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/06/11 19:44	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/06/11 19:44	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 124					07/06/11 19:44	20
Toluene-d8 (Surr)	105		80 - 121					07/06/11 19:44	20
4-Bromofluorobenzene (Surr)	98		77 - 112					07/06/11 19:44	20
Dibromofluoromethane	106		78 - 119					07/06/11 19:44	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.3		4.3	0.70	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Vinyl chloride	<4.3		4.3	0.60	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Bromomethane	<4.3		4.3	0.92	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Chloroethane	<4.3		4.3	0.90	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
1,1-Dichloroethene	<4.3		4.3	0.68	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Carbon disulfide	<4.3		4.3	0.61	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Acetone	<4.3		4.3	2.1	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Methylene Chloride	<4.3		4.3	1.2	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
trans-1,2-Dichloroethene	<4.3		4.3	0.61	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Methyl tert-butyl ether	<4.3		4.3	0.64	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
1,1-Dichloroethane	<4.3		4.3	0.68	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
cis-1,2-Dichloroethene	<4.3		4.3	0.63	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Methyl Ethyl Ketone	<4.3		4.3	0.93	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Chloroform	<4.3		4.3	0.79	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
1,1,1-Trichloroethane	<4.3		4.3	0.82	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Carbon tetrachloride	<4.3		4.3	0.94	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Benzene	<4.3		4.3	0.46	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
1,2-Dichloroethane	<4.3		4.3	0.44	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Trichloroethene	<4.3		4.3	0.70	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
1,2-Dichloropropane	<4.3		4.3	0.97	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Bromodichloromethane	<4.3		4.3	0.65	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
cis-1,3-Dichloropropene	<4.3		4.3	0.49	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
methyl isobutyl ketone	<4.3		4.3	0.73	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Toluene	<4.3		4.3	0.83	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
trans-1,3-Dichloropropene	<4.3 *		4.3	0.97	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
1,1,2-Trichloroethane	<4.3		4.3	0.58	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Tetrachloroethene	<4.3		4.3	0.82	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
2-Hexanone	<4.3		4.3	0.61	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Dibromochloromethane	<4.3		4.3	0.59	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Chlorobenzene	<4.3		4.3	0.68	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Ethylbenzene	<4.3		4.3	0.64	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01 (2-4)

Lab Sample ID: 500-35870-10

Date Collected: 06/24/11 10:20

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 84.8

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.3		4.3	0.54	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Bromoform	<4.3		4.3	0.70	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
1,1,2,2-Tetrachloroethane	<4.3		4.3	0.58	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
Xylenes, Total	<8.6		8.6	0.60	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1
1,3-Dichloropropene, Total	<4.3		4.3	0.49	ug/Kg	☼	06/24/11 10:20	06/28/11 11:41	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		69 - 120	06/24/11 10:20	06/28/11 11:41	1
Toluene-d8 (Surr)	93		69 - 122	06/24/11 10:20	06/28/11 11:41	1
4-Bromofluorobenzene (Surr)	96		67 - 120	06/24/11 10:20	06/28/11 11:41	1
Dibromofluoromethane	101		69 - 120	06/24/11 10:20	06/28/11 11:41	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2,4,6-Trichlorophenol	<380		380	83	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2,4-Dichlorophenol	<380		380	49	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2,4-Dinitrophenol	<780		780	280	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2,4-Dinitrotoluene	<190		190	40	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2,6-Dinitrotoluene	<190		190	26	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2-Chloronaphthalene	<190		190	15	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2-Chlorophenol	<190		190	20	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2-Methylnaphthalene	<190		190	15	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2-Methylphenol	<190		190	29	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2-Nitroaniline	<190		190	23	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2-Nitrophenol	<380		380	110	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
3-Nitroaniline	<380		380	67	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
4,6-Dinitro-2-methylphenol	<380		380	73	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
4-Bromophenyl phenyl ether	<190		190	24	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
4-Chloro-3-methylphenol	<380		380	94	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
4-Chloroaniline	<780		780	120	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
4-Nitroaniline	<380		380	66	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
4-Nitrophenol	<780		780	310	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Acenaphthene	<38		38	8.1	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Acenaphthylene	<38		38	6.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Anthracene	<38		38	7.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Benzo[a]anthracene	<38		38	8.3	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Benzo[a]pyrene	31	J	38	7.4	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Benzo[b]fluoranthene	31	J	38	8.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Benzo[g,h,i]perylene	52		38	9.4	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Benzo[k]fluoranthene	15	J	38	9.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Bis(2-chloroethoxy)methane	<190		190	16	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Bis(2-ethylhexyl) phthalate	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Carbazole	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Chrysene	<38		38	12	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01 (2-4)

Lab Sample ID: 500-35870-10

Date Collected: 06/24/11 10:20

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 84.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	47		38	9.7	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Dibenzofuran	<190		190	44	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Diethyl phthalate	<190		190	42	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Dimethyl phthalate	<190		190	17	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Di-n-octyl phthalate	<190		190	31	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Fluorene	<38		38	7.4	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Hexachlorobenzene	<78		78	7.4	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Hexachlorobutadiene	<190 *		190	30	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Hexachlorocyclopentadiene	<780		780	380	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Hexachloroethane	<190		190	29	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Indeno[1,2,3-cd]pyrene	52		38	9.8	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Isophorone	<190		190	86	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Naphthalene	<38		38	7.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Nitrobenzene	<38		38	9.3	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
1,4-Dichlorobenzene	<190		190	22	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
2,2'-oxybis[1-chloropropane]	<190		190	42	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
N-Nitrosodi-n-propylamine	<190		190	27	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Pentachlorophenol	<780		780	130	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Phenanthrene	<38		38	7.6	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Phenol	<190		190	40	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
Pyrene	<38		38	13	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
1,2,4-Trichlorobenzene	<190 *		190	24	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1
3 & 4 Methylphenol	<190		190	39	ug/Kg	☼	06/28/11 07:07	07/07/11 19:30	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		27 - 113	06/28/11 07:07	07/07/11 19:30	1
2-Fluorophenol	78		30 - 110	06/28/11 07:07	07/07/11 19:30	1
Nitrobenzene-d5	78		22 - 110	06/28/11 07:07	07/07/11 19:30	1
Phenol-d5	85		26 - 112	06/28/11 07:07	07/07/11 19:30	1
2,4,6-Tribromophenol	99		30 - 137	06/28/11 07:07	07/07/11 19:30	1
Terphenyl-d14	106		33 - 129	06/28/11 07:07	07/07/11 19:30	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:49	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:49	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:49	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:49	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:49	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:49	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:49	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		07/01/11 10:30	07/06/11 18:49	1
Pyridine	<0.20		0.20	0.10	mg/L		07/01/11 10:30	07/06/11 18:49	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		07/01/11 10:30	07/06/11 18:49	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:49	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01 (2-4)

Lab Sample ID: 500-35870-10

Date Collected: 06/24/11 10:20

Matrix: Solid

Date Received: 06/24/11 14:50

Method: 8270C - TCLP Semivolatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		07/01/11 10:30	07/06/11 18:49	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol	47		20 - 100				07/01/11 10:30	07/06/11 18:49	1
Phenol-d5	30		20 - 100				07/01/11 10:30	07/06/11 18:49	1
Nitrobenzene-d5	82		39 - 110				07/01/11 10:30	07/06/11 18:49	1
2-Fluorobiphenyl	75		44 - 110				07/01/11 10:30	07/06/11 18:49	1
2,4,6-Tribromophenol	89		46 - 126				07/01/11 10:30	07/06/11 18:49	1
Terphenyl-d14	99		52 - 131				07/01/11 10:30	07/06/11 18:49	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		07/01/11 10:25	07/01/11 21:14	1
Endrin	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:14	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:14	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:14	1
gamma-BHC (Lindane)	<0.0050	*	0.0050	0.0025	mg/L		07/01/11 10:25	07/01/11 21:14	1
Methoxychlor	<0.010		0.010	0.0050	mg/L		07/01/11 10:25	07/01/11 21:14	1
Toxaphene	<0.050		0.050	0.025	mg/L		07/01/11 10:25	07/01/11 21:14	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		36 - 126				07/01/11 10:25	07/01/11 21:14	1
Tetrachloro-m-xylene	72		42 - 120				07/01/11 10:25	07/01/11 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.6	ug/Kg	☼	06/27/11 20:36	06/29/11 16:03	1
PCB-1221	<19		19	7.3	ug/Kg	☼	06/27/11 20:36	06/29/11 16:03	1
PCB-1232	<19		19	6.7	ug/Kg	☼	06/27/11 20:36	06/29/11 16:03	1
PCB-1242	<19		19	5.9	ug/Kg	☼	06/27/11 20:36	06/29/11 16:03	1
PCB-1248	<19		19	6.6	ug/Kg	☼	06/27/11 20:36	06/29/11 16:03	1
PCB-1254	<19		19	6.0	ug/Kg	☼	06/27/11 20:36	06/29/11 16:03	1
PCB-1260	<19		19	6.3	ug/Kg	☼	06/27/11 20:36	06/29/11 16:03	1
Polychlorinated biphenyls, Total	<19		19	4.6	ug/Kg	☼	06/27/11 20:36	06/29/11 16:03	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		28 - 124				06/27/11 20:36	06/29/11 16:03	1
DCB Decachlorobiphenyl	92		38 - 130				06/27/11 20:36	06/29/11 16:03	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		06/30/11 09:50	07/01/11 08:00	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		06/30/11 09:50	07/01/11 08:00	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA	84		30 - 110				06/30/11 09:50	07/01/11 08:00	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/30/11 16:15	07/02/11 01:27	1
Barium	0.46	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 01:27	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01 (2-4)

Lab Sample ID: 500-35870-10

Date Collected: 06/24/11 10:20

Matrix: Solid

Date Received: 06/24/11 14:50

Method: 6010B - PPL+Ba Metals - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 01:27	1
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:27	1
Copper	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:27	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 01:27	1
Nickel	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:27	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:27	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 01:27	1
Zinc	0.033	J	0.10	0.020	mg/L		06/30/11 16:15	07/02/11 01:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.29	J	1.1	0.13	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Arsenic	7.3		0.57	0.079	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Beryllium	0.59		0.23	0.011	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Cadmium	0.40		0.11	0.015	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Chromium	18	B	0.57	0.048	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Copper	26		0.57	0.079	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Lead	11		0.28	0.14	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Nickel	24		0.57	0.037	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Selenium	<0.57		0.57	0.16	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Silver	<0.28		0.28	0.036	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Thallium	<0.57		0.57	0.19	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Zinc	40		1.1	0.091	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1
Barium	56		0.57	0.032	mg/Kg	☼	06/28/11 16:30	06/30/11 04:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		06/30/11 16:15	07/07/11 11:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		06/30/11 16:15	07/07/11 11:12	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:47	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.020	0.0020	mg/Kg	☼	06/27/11 12:00	06/27/11 15:01	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			06/30/11 09:10	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<46		46	5.4	mg/Kg		06/30/11 10:49	06/30/11 15:59	1
Cyanide, Reactive	<0.25		0.25	0.062	mg/Kg		06/29/11 12:00	06/29/11 15:24	1
pH	8.40		0.200	0.200	SU			07/01/11 11:10	1
Paint Filter	pass				mL/100g			06/30/11 18:10	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01 (10-12)

Lab Sample ID: 500-35870-11

Date Collected: 06/24/11 10:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.4		4.4	0.73	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Vinyl chloride	<4.4		4.4	0.62	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Bromomethane	<4.4		4.4	0.95	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Chloroethane	<4.4		4.4	0.93	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
1,1-Dichloroethene	<4.4		4.4	0.70	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Carbon disulfide	<4.4		4.4	0.63	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Acetone	4.2	J	4.4	2.2	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Methylene Chloride	<4.4		4.4	1.2	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
trans-1,2-Dichloroethene	<4.4		4.4	0.63	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Methyl tert-butyl ether	<4.4		4.4	0.67	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
1,1-Dichloroethane	<4.4		4.4	0.70	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
cis-1,2-Dichloroethene	<4.4		4.4	0.65	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Methyl Ethyl Ketone	<4.4		4.4	0.96	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Chloroform	<4.4		4.4	0.82	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
1,1,1-Trichloroethane	<4.4		4.4	0.85	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Carbon tetrachloride	<4.4		4.4	0.97	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Benzene	<4.4		4.4	0.48	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
1,2-Dichloroethane	<4.4		4.4	0.45	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Trichloroethene	<4.4		4.4	0.72	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
1,2-Dichloropropane	<4.4		4.4	1.0	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Bromodichloromethane	<4.4		4.4	0.68	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
cis-1,3-Dichloropropene	<4.4		4.4	0.51	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
methyl isobutyl ketone	<4.4		4.4	0.76	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Toluene	<4.4		4.4	0.86	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
trans-1,3-Dichloropropene	<4.4	*	4.4	1.0	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
1,1,2-Trichloroethane	<4.4		4.4	0.60	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Tetrachloroethene	<4.4		4.4	0.84	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
2-Hexanone	<4.4		4.4	0.63	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Dibromochloromethane	<4.4		4.4	0.61	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Chlorobenzene	<4.4		4.4	0.70	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Ethylbenzene	<4.4		4.4	0.67	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Styrene	<4.4		4.4	0.56	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Bromoform	<4.4		4.4	0.72	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
1,1,2,2-Tetrachloroethane	<4.4		4.4	0.60	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
Xylenes, Total	<8.9		8.9	0.62	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1
1,3-Dichloropropene, Total	<4.4		4.4	0.51	ug/Kg	*	06/24/11 10:25	06/28/11 12:05	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		69 - 120	06/24/11 10:25	06/28/11 12:05	1
Toluene-d8 (Surr)	95		69 - 122	06/24/11 10:25	06/28/11 12:05	1
4-Bromofluorobenzene (Surr)	98		67 - 120	06/24/11 10:25	06/28/11 12:05	1
Dibromofluoromethane	105		69 - 120	06/24/11 10:25	06/28/11 12:05	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	85	ug/Kg	*	06/28/11 07:07	07/07/11 19:52	1
2,4,6-Trichlorophenol	<380		380	82	ug/Kg	*	06/28/11 07:07	07/07/11 19:52	1
2,4-Dichlorophenol	<380		380	48	ug/Kg	*	06/28/11 07:07	07/07/11 19:52	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	*	06/28/11 07:07	07/07/11 19:52	1
2,4-Dinitrophenol	<770		770	280	ug/Kg	*	06/28/11 07:07	07/07/11 19:52	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01 (10-12)

Lab Sample ID: 500-35870-11

Date Collected: 06/24/11 10:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 83.9

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	39	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
2,6-Dinitrotoluene	<190		190	26	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
2-Chloronaphthalene	<190		190	15	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
2-Chlorophenol	<190		190	20	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
2-Methylnaphthalene	<190		190	15	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
2-Methylphenol	<190		190	28	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
2-Nitroaniline	<190		190	22	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
2-Nitrophenol	<380		380	110	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
3-Nitroaniline	<380		380	66	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
4,6-Dinitro-2-methylphenol	<380		380	72	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
4-Bromophenyl phenyl ether	<190		190	23	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
4-Chloro-3-methylphenol	<380		380	93	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
4-Chloroaniline	<770		770	120	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
4-Chlorophenyl phenyl ether	<190		190	42	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
4-Nitroaniline	<380		380	65	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
4-Nitrophenol	<770		770	310	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Acenaphthene	<38		38	8.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Anthracene	<38		38	7.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Benzo[a]anthracene	10	J	38	8.2	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Benzo[a]pyrene	27	J	38	7.3	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Benzo[b]fluoranthene	38		38	7.9	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Benzo[g,h,i]perylene	52		38	9.3	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Benzo[k]fluoranthene	13	J	38	9.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Bis(2-chloroethoxy)methane	<190		190	16	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Bis(2-ethylhexyl) phthalate	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Carbazole	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Chrysene	25	J	38	12	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Dibenz(a,h)anthracene	36	J	38	9.7	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Dibenzofuran	<190		190	43	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Diethyl phthalate	<190		190	42	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Dimethyl phthalate	<190		190	17	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Di-n-octyl phthalate	<190		190	31	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Fluoranthene	10	J	38	7.1	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Fluorene	<38		38	7.3	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Hexachlorobenzene	<77		77	7.4	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Hexachlorobutadiene	<190	*	190	29	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Hexachlorocyclopentadiene	<770		770	380	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Hexachloroethane	<190		190	29	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Indeno[1,2,3-cd]pyrene	33	J	38	9.7	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Isophorone	<190		190	85	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Naphthalene	<38		38	6.9	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Nitrobenzene	<38		38	9.2	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
1,4-Dichlorobenzene	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
2,2'-oxybis[1-chloropropane]	<190		190	41	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01 (10-12)

Lab Sample ID: 500-35870-11

Date Collected: 06/24/11 10:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 83.9

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	26	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Pentachlorophenol	<770		770	130	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Phenanthrene	23	J	38	7.5	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Phenol	<190		190	40	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
Pyrene	23	J	38	13	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
1,2,4-Trichlorobenzene	<190	*	190	23	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1
3 & 4 Methylphenol	<190		190	38	ug/Kg	☼	06/28/11 07:07	07/07/11 19:52	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	66		27 - 113	06/28/11 07:07	07/07/11 19:52	1
2-Fluorophenol	70		30 - 110	06/28/11 07:07	07/07/11 19:52	1
Nitrobenzene-d5	68		22 - 110	06/28/11 07:07	07/07/11 19:52	1
Phenol-d5	74		26 - 112	06/28/11 07:07	07/07/11 19:52	1
2,4,6-Tribromophenol	78		30 - 137	06/28/11 07:07	07/07/11 19:52	1
Terphenyl-d14	92		33 - 129	06/28/11 07:07	07/07/11 19:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.7	ug/Kg	☼	06/27/11 20:36	06/29/11 16:17	1
PCB-1221	<20		20	7.4	ug/Kg	☼	06/27/11 20:36	06/29/11 16:17	1
PCB-1232	<20		20	6.8	ug/Kg	☼	06/27/11 20:36	06/29/11 16:17	1
PCB-1242	<20		20	6.0	ug/Kg	☼	06/27/11 20:36	06/29/11 16:17	1
PCB-1248	<20		20	6.7	ug/Kg	☼	06/27/11 20:36	06/29/11 16:17	1
PCB-1254	<20		20	6.1	ug/Kg	☼	06/27/11 20:36	06/29/11 16:17	1
PCB-1260	<20		20	6.4	ug/Kg	☼	06/27/11 20:36	06/29/11 16:17	1
Polychlorinated biphenyls, Total	<20		20	4.7	ug/Kg	☼	06/27/11 20:36	06/29/11 16:17	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68		28 - 124	06/27/11 20:36	06/29/11 16:17	1
DCB Decachlorobiphenyl	57		38 - 130	06/27/11 20:36	06/29/11 16:17	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/30/11 16:15	07/02/11 01:34	1
Barium	0.38	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 01:34	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 01:34	1
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:34	1
Copper	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:34	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 01:34	1
Nickel	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:34	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:34	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 01:34	1
Zinc	<0.10		0.10	0.020	mg/L		06/30/11 16:15	07/02/11 01:34	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.22	J	1.1	0.13	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Arsenic	8.0		0.55	0.078	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01 (10-12)

Lab Sample ID: 500-35870-11

Date Collected: 06/24/11 10:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 83.9

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.52		0.22	0.011	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Cadmium	0.38		0.11	0.015	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Chromium	17	B	0.55	0.047	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Copper	24		0.55	0.078	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Lead	10		0.28	0.13	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Nickel	25		0.55	0.037	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Selenium	<0.55		0.55	0.16	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Thallium	<0.55		0.55	0.19	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Zinc	41		1.1	0.089	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1
Barium	39		0.55	0.031	mg/Kg	☼	06/28/11 16:30	06/30/11 04:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		06/30/11 16:15	07/07/11 11:12	1
Thallium	<0.0020		0.0020	0.0020	mg/L		06/30/11 16:15	07/07/11 11:12	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:49	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.019	0.0019	mg/Kg	☼	06/27/11 12:00	06/27/11 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.37		0.200	0.200	SU			07/01/11 11:13	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01D (10-12)

Lab Sample ID: 500-35870-12

Date Collected: 06/24/11 10:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<100		100	25	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Vinyl chloride	<13		13	6.5	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Bromomethane	<100		100	44	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Chloroethane	<100		100	25	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
1,1-Dichloroethene	<51		51	15	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Carbon disulfide	<260		260	23	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Acetone	<260		260	98	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Methylene Chloride	<260		260	32	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
trans-1,2-Dichloroethene	<51		51	14	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Methyl tert-butyl ether	<100		100	24	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
1,1-Dichloroethane	<51		51	13	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
cis-1,2-Dichloroethene	<51		51	11	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Methyl Ethyl Ketone	<260		260	53	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Chloroform	<51		51	13	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
1,1,1-Trichloroethane	<51		51	13	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Carbon tetrachloride	<51		51	14	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Benzene	<13		13	4.1	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
1,2-Dichloroethane	<51		51	14	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Trichloroethene	<13		13	7.7	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
1,2-Dichloropropane	<51		51	18	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Bromodichloromethane	<100		100	14	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
cis-1,3-Dichloropropene	<51		51	14	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
methyl isobutyl ketone	<260		260	40	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Toluene	<13		13	7.7	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
trans-1,3-Dichloropropene	<51		51	18	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
1,1,2-Trichloroethane	<51		51	15	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Tetrachloroethene	<51		51	11	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
2-Hexanone	<260		260	29	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Dibromochloromethane	<100		100	19	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Chlorobenzene	<51		51	12	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Ethylbenzene	<13		13	7.2	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Styrene	<51		51	13	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Bromoform	<100		100	29	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
1,1,2,2-Tetrachloroethane	<51		51	18	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
Xylenes, Total	<26		26	6.6	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50
1,3-Dichloropropene, Total	<51		51	14	ug/Kg	*	06/24/11 10:25	07/05/11 16:50	50

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 124	06/24/11 10:25	07/05/11 16:50	50
Toluene-d8 (Surr)	88		80 - 121	06/24/11 10:25	07/05/11 16:50	50
4-Bromofluorobenzene (Surr)	91		77 - 112	06/24/11 10:25	07/05/11 16:50	50
Dibromofluoromethane	85		78 - 119	06/24/11 10:25	07/05/11 16:50	50

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	84	ug/Kg	*	06/28/11 07:07	07/07/11 20:14	1
2,4,6-Trichlorophenol	<380		380	82	ug/Kg	*	06/28/11 07:07	07/07/11 20:14	1
2,4-Dichlorophenol	<380		380	48	ug/Kg	*	06/28/11 07:07	07/07/11 20:14	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	*	06/28/11 07:07	07/07/11 20:14	1
2,4-Dinitrophenol	<760		760	280	ug/Kg	*	06/28/11 07:07	07/07/11 20:14	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01D (10-12)

Lab Sample ID: 500-35870-12

Date Collected: 06/24/11 10:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 83.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	39	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
2,6-Dinitrotoluene	<190		190	25	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
2-Chloronaphthalene	<190		190	15	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
2-Chlorophenol	<190		190	20	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
2-Methylnaphthalene	<190		190	15	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
2-Methylphenol	<190		190	28	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
2-Nitroaniline	<190		190	22	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
2-Nitrophenol	<380		380	110	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
3-Nitroaniline	<380		380	66	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
4,6-Dinitro-2-methylphenol	<380		380	71	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
4-Bromophenyl phenyl ether	<190		190	23	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
4-Chloro-3-methylphenol	<380		380	93	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
4-Chloroaniline	<760		760	120	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
4-Chlorophenyl phenyl ether	<190		190	42	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
4-Nitroaniline	<380		380	65	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
4-Nitrophenol	<760		760	310	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Acenaphthene	<38		38	7.9	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Anthracene	<38		38	6.9	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Benzo[a]anthracene	<38		38	8.1	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Benzo[a]pyrene	15	J	38	7.3	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Benzo[b]fluoranthene	24	J	38	7.8	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Benzo[g,h,i]perylene	41		38	9.2	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Benzo[k]fluoranthene	9.5	J	38	8.9	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Bis(2-chloroethoxy)methane	<190		190	15	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Bis(2-ethylhexyl) phthalate	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Carbazole	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Chrysene	<38		38	12	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Dibenz(a,h)anthracene	20	J	38	9.6	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Dibenzofuran	<190		190	43	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Diethyl phthalate	<190		190	41	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Dimethyl phthalate	<190		190	17	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Di-n-octyl phthalate	<190		190	30	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Fluoranthene	10	J	38	7.1	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Fluorene	<38		38	7.2	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Hexachlorobenzene	<76		76	7.3	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Hexachlorobutadiene	<190	*	190	29	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Hexachlorocyclopentadiene	<760		760	380	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Hexachloroethane	<190		190	29	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Indeno[1,2,3-cd]pyrene	25	J	38	9.6	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Isophorone	<190		190	84	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Naphthalene	<38		38	6.9	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Nitrobenzene	<38		38	9.1	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
1,4-Dichlorobenzene	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
2,2'-oxybis[1-chloropropane]	<190		190	41	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01D (10-12)

Lab Sample ID: 500-35870-12

Date Collected: 06/24/11 10:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 83.8

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	26	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Pentachlorophenol	<760		760	130	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Phenanthrene	19	J	38	7.4	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Phenol	<190		190	40	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
Pyrene	15	J	38	13	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
1,2,4-Trichlorobenzene	<190	*	190	23	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1
3 & 4 Methylphenol	<190		190	38	ug/Kg	☼	06/28/11 07:07	07/07/11 20:14	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	54		27 - 113	06/28/11 07:07	07/07/11 20:14	1
2-Fluorophenol	57		30 - 110	06/28/11 07:07	07/07/11 20:14	1
Nitrobenzene-d5	51		22 - 110	06/28/11 07:07	07/07/11 20:14	1
Phenol-d5	64		26 - 112	06/28/11 07:07	07/07/11 20:14	1
2,4,6-Tribromophenol	66		30 - 137	06/28/11 07:07	07/07/11 20:14	1
Terphenyl-d14	73		33 - 129	06/28/11 07:07	07/07/11 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	4.7	ug/Kg	☼	06/27/11 20:36	06/29/11 16:31	1
PCB-1221	<20		20	7.4	ug/Kg	☼	06/27/11 20:36	06/29/11 16:31	1
PCB-1232	<20		20	6.8	ug/Kg	☼	06/27/11 20:36	06/29/11 16:31	1
PCB-1242	<20		20	6.0	ug/Kg	☼	06/27/11 20:36	06/29/11 16:31	1
PCB-1248	<20		20	6.7	ug/Kg	☼	06/27/11 20:36	06/29/11 16:31	1
PCB-1254	<20		20	6.1	ug/Kg	☼	06/27/11 20:36	06/29/11 16:31	1
PCB-1260	<20		20	6.3	ug/Kg	☼	06/27/11 20:36	06/29/11 16:31	1
Polychlorinated biphenyls, Total	<20		20	4.7	ug/Kg	☼	06/27/11 20:36	06/29/11 16:31	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		28 - 124	06/27/11 20:36	06/29/11 16:31	1
DCB Decachlorobiphenyl	80		38 - 130	06/27/11 20:36	06/29/11 16:31	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		06/30/11 16:15	07/02/11 01:40	1
Barium	0.40	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 01:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 01:40	1
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:40	1
Copper	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:40	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 01:40	1
Nickel	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 01:40	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 01:40	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 01:40	1
Zinc	0.026	J	0.10	0.020	mg/L		06/30/11 16:15	07/02/11 01:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.20	J	1.2	0.13	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Arsenic	6.9		0.59	0.082	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1257B01D (10-12)

Lab Sample ID: 500-35870-12

Date Collected: 06/24/11 10:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 83.8

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.55		0.23	0.012	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Cadmium	0.39		0.12	0.016	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Chromium	18	B	0.59	0.050	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Copper	23		0.59	0.082	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Lead	10		0.29	0.14	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Nickel	24		0.59	0.039	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Selenium	<0.59		0.59	0.16	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Thallium	0.30	J	0.59	0.20	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Zinc	41		1.2	0.094	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1
Barium	40		0.59	0.033	mg/Kg	☼	06/28/11 16:30	06/30/11 05:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		06/30/11 16:15	07/07/11 11:13	1
Thallium	<0.0020		0.0020	0.0020	mg/L		06/30/11 16:15	07/07/11 11:13	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:51	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.0019	mg/Kg	☼	06/27/11 12:00	06/27/11 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.17		0.200	0.200	SU			07/01/11 11:15	1

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

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control 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
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control 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 is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To: Dean Teibert
 Contact: E.C.
 Company: 33 W. Menden St. S. 530
 Address: Chicago IL 60603
 Address: 312.978.9243
 Phone: 312.576.9345
 Fax: St. Fire Dept. Chicago
 E-Mail:

(optional)

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PCN/Reference#

Chain of Custody Record

Lab Job #: 500-35870
 Chain of Custody Number: EE6-12-03
 Page 1 of 1
 Temperature °C of Cooler: (3.6) (33)

Client	Project Name	Client Project #	Preservative	Parameter	Mark # Containers	Sampling		Date	Time	Mark	Comments
						Date	Time				
McCoy, Environmental	Irving Park Road (JL19)	3133 VI12-01						6-23-11	1510	2 S	
Dulge County, IL	Scott Cooper	5672						6-23-11	1515	2 S	
								6-24-11	0825	2 S	
								6-24-11	0840	2 S	
								6-24-11	0845	2 S	
								6-24-11	0900	3 S	
								6-24-11	0905	2 S	
								6-24-11	1300	3 S	
								6-24-11	1315	2 S	

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

Requisitioned By: SMZ Company: ILC Date: 6-24-11 Time: 1450
 Requisitioned By: _____ Company: _____ Date: _____ Time: _____
 Relinquished By: _____ Company: _____ Date: _____ Time: _____
 Relinquished By: _____ Company: _____ Date: _____ Time: _____

Received By: SMZ Date: 6-24-11 Time: 1450
 Received By: _____ Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____

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

Lab Comments: _____

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

Received By: SMZ Date: 6-24-11 Time: 1450
 Received By: _____ Date: _____ Time: _____

Received By: _____ Date: _____ Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

(optional)

(optional)

Chain of Custody Record

Lab Job #: **500-35870**
 Chain of Custody Number: **EA-12-04**
 Page **1** of **2**
 Temperature °C of Cooler: _____

Report To: **Dean Tebrat**
 Contact: **E.E**
 Company: **33 W. Walnut St. In. K 550**
 Address: **Whiting, IL 60407**
 Phone: **712 578 9647**
 Fax: **712 578 9345**
 E-Mail: **dfriedberg@mac.com**

Client	Project Name	Client Project #	Preservative	Parameter	Sample Disposal		Return to Client	Disposal by Lab	Archive for	Months	Date	Time	Lab Counter	Shipped	Hand Delivered
					Sample ID	Sample Date									
Ecology - Environment	Irving Park Reg. (IL 19)	3133 ✓ E12.01		VOC	3	5	X	X	X	X	6-24-11	1020			
				SVOL	2	5	X	X	X	X	6-24-11	1025			
					2	5	X	X	X	X	6-24-11	1025			
					3	5	X	X	X	X	6-24-11	1115			
					2	5	X	X	X	X	6-24-11	1130			
					2	5	X	X	X	X	6-24-11	1225			

Preservative Key
 1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. Na/ISO4
 7. Cool to 4°
 8. None
 9. Other

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PCW/Reference: _____

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

Reinquisitioned By: **SAZ** Company: **E.E** Date: **6-24-11** Time: **1450**
 Reinquisitioned By: **E.E** Company: **E.E** Date: **6-24-11** Time: **1450**
 Reinquisitioned By: _____ Company: _____ Date: _____ Time: _____

Received By: **SAZ** Company: **E.E** Date: **6-24-11** Time: **1450**
 Received By: **SAZ** Company: **E.E** Date: **6-24-11** Time: **1450**
 Received By: _____ Company: _____ Date: _____ Time: _____

Lab Comments: _____

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

Lab Counter: **TA**
 Shipped: _____
 Hand Delivered: _____



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
300 block of N. York Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96212 Longitude: -87.93893
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96212 Longitude: -87.93893

Uncontaminated Site 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 E1259B13, E1259B15, and E1259B16 were sampled within the construction zone adjacent to ISGS #1583V-59: Vacant Lots. Refer to PSI Report for ISGS #1583V-59: Vacant Lots including Table 4-5, and Figure 4-1A, 4-5A.

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

See attached data summary table and associated laboratory data package J35870.

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

I, Steven Gobelman (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: Illinois Department of Transportation

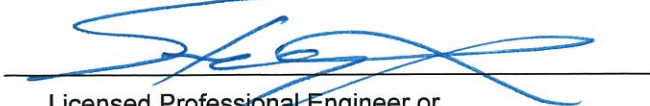
Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/13/15

Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-59 (Vacant Lots)						Comparison Criteria							
	E1259B13		E1259B15		E1259B16		MACs			TACO SCGIER				
	E1259B13 (2-4) Soil	E1259B13 (10-12) Soil	E1259B15 (0-2) Soil	E1259B15 (2-4) Soil	E1259B16 (0-2) Soil	Most Stringent	Within an MSA	Within Chicago						
BORING	E1259B13 (2-4)		E1259B15 (0-2)		E1259B16 (0-2)									
SAMPLE MATRIX	Soil		Soil		Soil									
DEPTH (m)	0.6-1.2		0.0-0.6		0.0-0.6									
pH	8.33		7.68		6.99									
VOCs (None Detected)														
SVOCs (µg/kg)														
Acenaphthylene	ND	U	ND	U	7.2	J	ND	U	ND	U	85,000	--	--	--
Anthracene	ND	U	ND	U	27	J	ND	U	ND	U	12,000,000	--	--	--
Benzo[a]anthracene	12	J	ND	U	130		ND	U	14	J	900	1,800	1,100	--
Benzo[a]pyrene	11	J	ND	U	140	†	ND	U	14	J	90	2,100	1,300	--
Benzo[b]fluoranthene	16	J	ND	U	170		ND	U	20	J	900	2,100	1,500	--
Benzo[g,h,i]perylene	11	J	25	J	100		ND	U	16	J	2,300,000	--	--	--
Benzo[k]fluoranthene	ND	U	ND	U	100		ND	U	ND	U	9,000	--	--	--
Chrysene	14	J	22	J	180		ND	U	19	J	88,000	--	--	--
Dibenzo(a,h)anthracene	ND	U	ND	U	24	J	ND	U	ND	U	90	420	200	--
Fluoranthene	23	J	ND	U	290		18	J	30	J	3,100,000	--	--	--
Fluorene	ND	U	ND	U	11	J	ND	U	ND	U	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	10	J	ND	U	81		ND	U	13	J	900	1,600	900	--
Naphthalene	ND	U	ND	U	24	J	ND	U	ND	U	1,800	--	--	--
Phenanthrene	11	J	34	J	150		12	J	15	J	210,000	--	--	--
Pyrene	19	J	16	J	260		17	J	27	J	2,300,000	--	--	--
Inorganics (mg/kg)														
Arsenic	7.8		4.7		4.9		4.9		5.3		11.3	13	--	--
Barium	83		40		73		57		130		1,500	--	--	--
Cadmium	0.58		0.43		0.47		0.33		0.30		5.2	--	--	--
Chromium	17	B	17	B	20	B	20	B	21	B	21	--	--	--
Lead	12		9.5		31		29		21		107	--	--	--
Mercury	0.034		0.016	J	0.20		0.10		0.039		0.89	--	--	--
Nickel	NA		NA		NA		NA		NA		100	--	--	--
Selenium	ND	U	ND	U	0.26	J	0.24	J	ND	U	1.3	--	--	--
Silver	ND	U	ND	U	ND	U	0.12	J	ND	U	4.4	--	--	--
TCLP Metals (mg/L)														
Barium	0.59		0.73		0.20	J	0.14	J	0.28	J	--	--	--	2
Lead	ND	U	ND	U	0.0065	J	ND	U	ND	U	--	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-35870-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout

Cindy Pritchard

Authorized for release by:
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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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-35870-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1257B01D (10-12) (500-35870-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 117485 exceeded control limits for the following analyte: Toluene. The laboratory control sample (LCS) was within limits.

Method(s) 8260B: The laboratory control sample (LCS) for batch 117834 exceeded control limits for the following analyte: trans-1,3-Dichloropropene.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: 500-35870-8 had 2,4,6-Terphenyl-d14 at 134% (46%-126%). All other surrogate recoveries were within limits. No further action was required. E1251B01 (0-2) (500-35870-8)

Method(s) 8270C: The laboratory control sample (LCS) for batch 117871 was below control limits for the following analytes: Hexachlorobutadiene at 57% (62%-110%) and 1,2,4-Trichlorobenzene at 63% (65%-102%), but was within the marginal exceedence. No further action was required. E1251B01 (0-2) (500-35870-8), E1251B02 (0-2) (500-35870-9), E1252B01 (0-2) (500-35870-15), E1252B01 (8-10) (500-35870-16), E1252B02 (2-4) (500-35870-17), E1252B02 (6-8) (500-35870-18), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B13 (10-12) (500-35870-2), E1259B13 (2-4) (500-35870-1), E1259B14 (0-2) (500-35870-6), E1259B14 (2-4) (500-35870-7), E1259B15 (0-2) (500-35870-4), E1259B15 (2-4) (500-35870-5), E1259B16 (0-2) (500-35870-3)

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 117871 were outside control limits. All RPD's were < 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria, for this MS/MSD. No further action was required. E1259B13 (2-4) (500-35870-1)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: AR1260. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1253B02 (2-4) (500-35870-14), E1257B01 (10-12) (500-35870-11), E1257B01 (2-4) (500-35870-10), E1257B01D (10-12) (500-35870-12), E1259B14 (0-2) (500-35870-6)

Method(s) 8082: The matrix spike (MS) recoveries for batch 117859 were outside control limits for AR1260. The associated laboratory control sample (LCS) and matrix spike duplicate (MSD) recoveries met acceptance criteria. E1259B14 (0-2) (500-35870-6)

Method(s) 8081A: The laboratory control sample (LCS) for preparation batch 118307 exceeded control limits for the following analyte: gamma-BHC (Lindane) at 73% (Limit is 74%-118%). The affected samples were non detects for this analyte, and the data has been reported. E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Job ID: 500-35870-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15%D. The following compounds are affected: Chlordane (technical), Methoxychlor, Endrin, and gamma-BHC (Lindane).E1251B01 (0-2) (500-35870-8), E1252B01 (0-2) (500-35870-15), E1253B01 (0-2) (500-35870-13), E1257B01 (2-4) (500-35870-10), E1259B14 (0-2) (500-35870-6)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-35870-6, was outside control limits for Cr and Pb.

Method(s) 6010B: The matrix duplicate %RPD for sample 500-35870-6 was outside the control limits for As and Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-35870-6 were outside control limits for As. The MSD was also out for Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	VOC	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B13 (2-4)

Lab Sample ID: 500-35870-1

Date Collected: 06/23/11 15:10

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.7		4.7	0.51	ug/Kg	☼	06/23/11 15:10	06/27/11 15:27	1
Toluene	<4.7	*	4.7	0.91	ug/Kg	☼	06/23/11 15:10	06/27/11 15:27	1
Ethylbenzene	<4.7		4.7	0.71	ug/Kg	☼	06/23/11 15:10	06/27/11 15:27	1
Xylenes, Total	<9.4		9.4	0.66	ug/Kg	☼	06/23/11 15:10	06/27/11 15:27	1
Methyl tert-butyl ether	<4.7		4.7	0.71	ug/Kg	☼	06/23/11 15:10	06/27/11 15:27	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		69 - 120	06/23/11 15:10	06/27/11 15:27	1
Toluene-d8 (Surr)	89		69 - 122	06/23/11 15:10	06/27/11 15:27	1
4-Bromofluorobenzene (Surr)	96		67 - 120	06/23/11 15:10	06/27/11 15:27	1
Dibromofluoromethane	99		69 - 120	06/23/11 15:10	06/27/11 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<40		40	7.3	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Acenaphthylene	<40		40	6.3	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Acenaphthene	<40		40	8.4	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Fluorene	<40		40	7.7	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Phenanthrene	11	J	40	7.9	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Anthracene	<40		40	7.4	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Fluoranthene	23	J	40	7.5	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Pyrene	19	J	40	14	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Benzo[a]anthracene	12	J	40	8.6	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Chrysene	14	J	40	13	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Benzo[b]fluoranthene	16	J	40	8.3	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Benzo[k]fluoranthene	<40		40	9.4	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Benzo[a]pyrene	11	J	40	7.7	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Indeno[1,2,3-cd]pyrene	10	J	40	10	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Dibenz(a,h)anthracene	<40		40	10	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1
Benzo[g,h,i]perylene	11	J	40	9.8	ug/Kg	☼	06/28/11 07:07	07/08/11 14:40	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	38		22 - 110	06/28/11 07:07	07/08/11 14:40	1
2-Fluorobiphenyl	52		27 - 113	06/28/11 07:07	07/08/11 14:40	1
Terphenyl-d14	83		33 - 129	06/28/11 07:07	07/08/11 14:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.8		0.61	0.085	mg/Kg	☼	06/28/11 16:30	06/30/11 03:10	1
Barium	83		0.61	0.034	mg/Kg	☼	06/28/11 16:30	06/30/11 03:10	1
Cadmium	0.58		0.12	0.016	mg/Kg	☼	06/28/11 16:30	06/30/11 03:10	1
Chromium	17	B	0.61	0.052	mg/Kg	☼	06/28/11 16:30	06/30/11 03:10	1
Lead	12		0.30	0.15	mg/Kg	☼	06/28/11 16:30	06/30/11 03:10	1
Selenium	<0.61		0.61	0.17	mg/Kg	☼	06/28/11 16:30	06/30/11 03:10	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	06/28/11 16:30	06/30/11 03:10	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		06/30/11 16:15	07/02/11 00:17	1
Barium	0.59		0.50	0.010	mg/L		06/30/11 16:15	07/02/11 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 00:17	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B13 (2-4)

Lab Sample ID: 500-35870-1

Date Collected: 06/23/11 15:10

Matrix: Solid

Date Received: 06/24/11 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 00:17	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 00:17	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 00:17	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 00:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:25	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.019	0.0019	mg/Kg	☼	06/27/11 12:00	06/27/11 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.33		0.200	0.200	SU			07/01/11 10:49	1

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Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B13 (10-12)

Lab Sample ID: 500-35870-2

Date Collected: 06/23/11 15:15

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.3		4.3	0.46	ug/Kg	☼	06/23/11 15:15	06/27/11 15:52	1
Toluene	<4.3	*	4.3	0.83	ug/Kg	☼	06/23/11 15:15	06/27/11 15:52	1
Ethylbenzene	<4.3		4.3	0.65	ug/Kg	☼	06/23/11 15:15	06/27/11 15:52	1
Xylenes, Total	<8.6		8.6	0.60	ug/Kg	☼	06/23/11 15:15	06/27/11 15:52	1
Methyl tert-butyl ether	<4.3		4.3	0.65	ug/Kg	☼	06/23/11 15:15	06/27/11 15:52	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		69 - 120	06/23/11 15:15	06/27/11 15:52	1
Toluene-d8 (Surr)	91		69 - 122	06/23/11 15:15	06/27/11 15:52	1
4-Bromofluorobenzene (Surr)	93		67 - 120	06/23/11 15:15	06/27/11 15:52	1
Dibromofluoromethane	99		69 - 120	06/23/11 15:15	06/27/11 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<37		37	6.7	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Acenaphthylene	<37		37	5.7	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Acenaphthene	<37		37	7.7	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Fluorene	<37		37	7.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Phenanthrene	34	J	37	7.2	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Anthracene	<37		37	6.7	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Fluoranthene	<37		37	6.9	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Pyrene	16	J	37	13	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Benzo[a]anthracene	<37		37	7.9	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Chrysene	22	J	37	12	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Benzo[b]fluoranthene	<37		37	7.6	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Benzo[k]fluoranthene	<37		37	8.6	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Benzo[a]pyrene	<37		37	7.1	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Indeno[1,2,3-cd]pyrene	<37		37	9.4	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Dibenz(a,h)anthracene	<37		37	9.3	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1
Benzo[g,h,i]perylene	25	J	37	9.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:33	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	42		22 - 110	06/28/11 07:07	07/07/11 19:33	1
2-Fluorobiphenyl	57		27 - 113	06/28/11 07:07	07/07/11 19:33	1
Terphenyl-d14	85		33 - 129	06/28/11 07:07	07/07/11 19:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.7		0.55	0.078	mg/Kg	☼	06/28/11 16:30	06/30/11 03:17	1
Barium	40		0.55	0.031	mg/Kg	☼	06/28/11 16:30	06/30/11 03:17	1
Cadmium	0.43		0.11	0.015	mg/Kg	☼	06/28/11 16:30	06/30/11 03:17	1
Chromium	17	B	0.55	0.047	mg/Kg	☼	06/28/11 16:30	06/30/11 03:17	1
Lead	9.5		0.28	0.13	mg/Kg	☼	06/28/11 16:30	06/30/11 03:17	1
Selenium	<0.55		0.55	0.16	mg/Kg	☼	06/28/11 16:30	06/30/11 03:17	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	06/28/11 16:30	06/30/11 03:17	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		06/30/11 16:15	07/02/11 00:23	1
Barium	0.73		0.50	0.010	mg/L		06/30/11 16:15	07/02/11 00:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 00:23	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B13 (10-12)

Lab Sample ID: 500-35870-2

Date Collected: 06/23/11 15:15

Matrix: Solid

Date Received: 06/24/11 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 00:23	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 00:23	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 00:23	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 00:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:30	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0019	mg/Kg	☼	06/27/11 12:00	06/27/11 14:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.33		0.200	0.200	SU			07/01/11 10:51	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B16 (0-2)

Lab Sample ID: 500-35870-3

Date Collected: 06/24/11 08:25

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 73.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.4		5.4	0.58	ug/Kg	☼	06/24/11 08:25	06/27/11 16:17	1
Toluene	<5.4	*	5.4	1.0	ug/Kg	☼	06/24/11 08:25	06/27/11 16:17	1
Ethylbenzene	<5.4		5.4	0.81	ug/Kg	☼	06/24/11 08:25	06/27/11 16:17	1
Xylenes, Total	<11		11	0.75	ug/Kg	☼	06/24/11 08:25	06/27/11 16:17	1
Methyl tert-butyl ether	<5.4		5.4	0.81	ug/Kg	☼	06/24/11 08:25	06/27/11 16:17	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		69 - 120	06/24/11 08:25	06/27/11 16:17	1
Toluene-d8 (Surr)	92		69 - 122	06/24/11 08:25	06/27/11 16:17	1
4-Bromofluorobenzene (Surr)	93		67 - 120	06/24/11 08:25	06/27/11 16:17	1
Dibromofluoromethane	98		69 - 120	06/24/11 08:25	06/27/11 16:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<45		45	8.2	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Acenaphthylene	<45		45	7.0	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Acenaphthene	<45		45	9.4	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Fluorene	<45		45	8.6	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Phenanthrene	15	J	45	8.9	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Anthracene	<45		45	8.2	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Fluoranthene	30	J	45	8.4	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Pyrene	27	J	45	15	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Benzo[a]anthracene	14	J	45	9.7	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Chrysene	19	J	45	14	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Benzo[b]fluoranthene	20	J	45	9.4	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Benzo[k]fluoranthene	<45		45	11	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Benzo[a]pyrene	14	J	45	8.7	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Indeno[1,2,3-cd]pyrene	13	J	45	11	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Dibenz(a,h)anthracene	<45		45	11	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1
Benzo[g,h,i]perylene	16	J	45	11	ug/Kg	☼	06/28/11 07:07	07/07/11 19:54	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	48		22 - 110	06/28/11 07:07	07/07/11 19:54	1
2-Fluorobiphenyl	59		27 - 113	06/28/11 07:07	07/07/11 19:54	1
Terphenyl-d14	90		33 - 129	06/28/11 07:07	07/07/11 19:54	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.3		0.63	0.088	mg/Kg	☼	06/28/11 16:30	06/30/11 03:23	1
Barium	130		0.63	0.035	mg/Kg	☼	06/28/11 16:30	06/30/11 03:23	1
Cadmium	0.30		0.13	0.017	mg/Kg	☼	06/28/11 16:30	06/30/11 03:23	1
Chromium	21	B	0.63	0.053	mg/Kg	☼	06/28/11 16:30	06/30/11 03:23	1
Lead	21		0.31	0.15	mg/Kg	☼	06/28/11 16:30	06/30/11 03:23	1
Selenium	<0.63		0.63	0.18	mg/Kg	☼	06/28/11 16:30	06/30/11 03:23	1
Silver	<0.31		0.31	0.039	mg/Kg	☼	06/28/11 16:30	06/30/11 03:23	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		06/30/11 16:15	07/02/11 00:29	1
Barium	0.28	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 00:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 00:29	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B16 (0-2)

Lab Sample ID: 500-35870-3

Date Collected: 06/24/11 08:25

Matrix: Solid

Date Received: 06/24/11 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 00:29	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 00:29	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 00:29	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 00:29	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:32	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.021	0.0021	mg/Kg	☼	06/27/11 12:00	06/27/11 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.45		0.200	0.200	SU			07/01/11 10:53	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B15 (0-2)

Lab Sample ID: 500-35870-4

Date Collected: 06/24/11 08:40

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 72.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.4		5.4	0.58	ug/Kg	☼	06/24/11 08:40	06/27/11 16:42	1
Toluene	<5.4	*	5.4	1.0	ug/Kg	☼	06/24/11 08:40	06/27/11 16:42	1
Ethylbenzene	<5.4		5.4	0.80	ug/Kg	☼	06/24/11 08:40	06/27/11 16:42	1
Xylenes, Total	<11		11	0.75	ug/Kg	☼	06/24/11 08:40	06/27/11 16:42	1
Methyl tert-butyl ether	<5.4		5.4	0.80	ug/Kg	☼	06/24/11 08:40	06/27/11 16:42	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		69 - 120	06/24/11 08:40	06/27/11 16:42	1
Toluene-d8 (Surr)	91		69 - 122	06/24/11 08:40	06/27/11 16:42	1
4-Bromofluorobenzene (Surr)	93		67 - 120	06/24/11 08:40	06/27/11 16:42	1
Dibromofluoromethane	99		69 - 120	06/24/11 08:40	06/27/11 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	24	J	43	7.9	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Acenaphthylene	7.2	J	43	6.8	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Acenaphthene	<43		43	9.1	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Fluorene	11	J	43	8.3	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Phenanthrene	150		43	8.6	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Anthracene	27	J	43	8.0	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Fluoranthene	290		43	8.1	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Pyrene	260		43	15	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Benzo[a]anthracene	130		43	9.4	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Chrysene	180		43	14	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Benzo[b]fluoranthene	170		43	9.1	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Benzo[k]fluoranthene	100		43	10	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Benzo[a]pyrene	140		43	8.4	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Indeno[1,2,3-cd]pyrene	81		43	11	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Dibenz(a,h)anthracene	24	J	43	11	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1
Benzo[g,h,i]perylene	100		43	11	ug/Kg	☼	06/28/11 07:07	07/07/11 20:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	51		22 - 110	06/28/11 07:07	07/07/11 20:15	1
2-Fluorobiphenyl	61		27 - 113	06/28/11 07:07	07/07/11 20:15	1
Terphenyl-d14	91		33 - 129	06/28/11 07:07	07/07/11 20:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		0.63	0.088	mg/Kg	☼	06/28/11 16:30	06/30/11 03:29	1
Barium	73		0.63	0.035	mg/Kg	☼	06/28/11 16:30	06/30/11 03:29	1
Cadmium	0.47		0.13	0.017	mg/Kg	☼	06/28/11 16:30	06/30/11 03:29	1
Chromium	20	B	0.63	0.054	mg/Kg	☼	06/28/11 16:30	06/30/11 03:29	1
Lead	31		0.32	0.15	mg/Kg	☼	06/28/11 16:30	06/30/11 03:29	1
Selenium	0.26	J	0.63	0.18	mg/Kg	☼	06/28/11 16:30	06/30/11 03:29	1
Silver	<0.32		0.32	0.040	mg/Kg	☼	06/28/11 16:30	06/30/11 03:29	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		06/30/11 16:15	07/02/11 00:35	1
Barium	0.20	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 00:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 00:35	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B15 (0-2)

Lab Sample ID: 500-35870-4

Date Collected: 06/24/11 08:40

Matrix: Solid

Date Received: 06/24/11 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 00:35	1
Lead	0.0065	J	0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 00:35	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 00:35	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 00:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:33	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.022	0.0023	mg/Kg	☼	06/27/11 12:00	06/27/11 14:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.68		0.200	0.200	SU			07/01/11 10:56	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B15 (2-4)

Lab Sample ID: 500-35870-5

Date Collected: 06/24/11 08:45

Matrix: Solid

Date Received: 06/24/11 14:50

Percent Solids: 75.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.4		5.4	0.58	ug/Kg	☼	06/24/11 08:45	06/27/11 17:06	1
Toluene	<5.4	*	5.4	1.1	ug/Kg	☼	06/24/11 08:45	06/27/11 17:06	1
Ethylbenzene	<5.4		5.4	0.81	ug/Kg	☼	06/24/11 08:45	06/27/11 17:06	1
Xylenes, Total	<11		11	0.76	ug/Kg	☼	06/24/11 08:45	06/27/11 17:06	1
Methyl tert-butyl ether	<5.4		5.4	0.81	ug/Kg	☼	06/24/11 08:45	06/27/11 17:06	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		69 - 120	06/24/11 08:45	06/27/11 17:06	1
Toluene-d8 (Surr)	94		69 - 122	06/24/11 08:45	06/27/11 17:06	1
4-Bromofluorobenzene (Surr)	93		67 - 120	06/24/11 08:45	06/27/11 17:06	1
Dibromofluoromethane	94		69 - 120	06/24/11 08:45	06/27/11 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<43		43	7.9	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Acenaphthylene	<43		43	6.7	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Acenaphthene	<43		43	9.1	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Fluorene	<43		43	8.3	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Phenanthrene	12	J	43	8.5	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Anthracene	<43		43	7.9	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Fluoranthene	18	J	43	8.1	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Pyrene	17	J	43	15	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Benzo[a]anthracene	<43		43	9.3	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Chrysene	<43		43	14	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Benzo[b]fluoranthene	<43		43	9.0	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Benzo[k]fluoranthene	<43		43	10	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Benzo[a]pyrene	<43		43	8.3	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Indeno[1,2,3-cd]pyrene	<43		43	11	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Dibenz(a,h)anthracene	<43		43	11	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1
Benzo[g,h,i]perylene	<43		43	11	ug/Kg	☼	06/28/11 07:07	07/07/11 20:36	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	37		22 - 110	06/28/11 07:07	07/07/11 20:36	1
2-Fluorobiphenyl	46		27 - 113	06/28/11 07:07	07/07/11 20:36	1
Terphenyl-d14	70		33 - 129	06/28/11 07:07	07/07/11 20:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		0.61	0.086	mg/Kg	☼	06/28/11 16:30	06/30/11 03:35	1
Barium	57		0.61	0.034	mg/Kg	☼	06/28/11 16:30	06/30/11 03:35	1
Cadmium	0.33		0.12	0.017	mg/Kg	☼	06/28/11 16:30	06/30/11 03:35	1
Chromium	20	B	0.61	0.052	mg/Kg	☼	06/28/11 16:30	06/30/11 03:35	1
Lead	29		0.31	0.15	mg/Kg	☼	06/28/11 16:30	06/30/11 03:35	1
Selenium	0.24	J	0.61	0.17	mg/Kg	☼	06/28/11 16:30	06/30/11 03:35	1
Silver	0.12	J	0.31	0.039	mg/Kg	☼	06/28/11 16:30	06/30/11 03:35	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		06/30/11 16:15	07/02/11 00:42	1
Barium	0.14	J	0.50	0.010	mg/L		06/30/11 16:15	07/02/11 00:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/30/11 16:15	07/02/11 00:42	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Client Sample ID: E1259B15 (2-4)

Lab Sample ID: 500-35870-5

Date Collected: 06/24/11 08:45

Matrix: Solid

Date Received: 06/24/11 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/30/11 16:15	07/02/11 00:42	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/30/11 16:15	07/02/11 00:42	1
Selenium	<0.050		0.050	0.010	mg/L		06/30/11 16:15	07/02/11 00:42	1
Silver	<0.025		0.025	0.0050	mg/L		06/30/11 16:15	07/02/11 00:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/30/11 11:10	07/01/11 09:35	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.021	0.0021	mg/Kg	☼	06/27/11 12:00	06/27/11 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.99		0.200	0.200	SU			07/01/11 10:58	1

- 1
- 2
- 3
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Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control 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
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control 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 is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

Metals

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

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35870-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

(optional)

Report To: Dean Teibert
 Contact: E.C.
 Company: 33 W. Menden St. S. 530
 Address: Chicago IL 60603
 Address: 312.978.9243
 Phone: 312.576.9345
 Fax: 312.576.9345
 E-Mail: stteibert@enviro.co

(optional)

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PCN/Reference#: _____

Chain of Custody Record

Lab Job #: 500-35870
 Chain of Custody Number: EE6-12-03
 Page 1 of 1
 Temperature °C of Cooler: (3.6) (33)

Client	Project Name	Client Project #	Preservative	Parameter	Mark # Containers	Sampling		Comments
						Date	Time	
W. Leachate	IRVING PARK ROAD (JUL 19)	3133 VI 12-01						
Sampled	DuPage County, IL	5672						
	Scott Cooper	Dick Wright						
MS/MSD	Sample ID	Lab PM						
1	E1259B13 (2-4)		6-23-11	1510	2	5	X	WASH DISPOSAL
2	E1259B13 (10-12)		6-23-11	1515	2	5	X	PT/8 S.I.D.
3	E1259B16 (0-2)		6-24-11	0825	2	5	X	TECP REPA
4	E1259B15 (0-2)		6-24-11	0840	2	5	X	WASH DISPOSAL
5	E1259B15 (2-4)		6-24-11	0845	2	5	X	TECP REPA
6	E1259B14 (0-2)		6-24-11	0900	3	5	X	WASH DISPOSAL
7	E1259B14 (2-4)		6-24-11	0905	2	5	X	TECP REPA
8	E1251B01 (0-2)		6-24-11	1300	3	5	X	WASH DISPOSAL
9	E1251B02 (0-2)		6-24-11	1315	2	5	X	TECP REPA

Turnaround Time Required (Business Days)
 Requested Due Date: 1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other _____
 Sample Disposal: Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By: <u>SMZ</u>	Company: <u>LC</u>	Date: <u>6-24-11</u>	Time: <u>1:50</u>	Received By: <u>SMZ</u>	Company: <u>HAL</u>	Date: <u>6-24-11</u>	Time: <u>10:30</u>
Relinquished By: _____	Company: _____	Date: _____	Time: _____	Received By: _____	Company: _____	Date: _____	Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____
 Lab Comments: _____
 Client Comments: _____
 Matrix Key:
 WW - Wastewater
 W - Water
 S - Soil
 SL - Sludge
 MS - Miscellaneous
 CL - Oil
 A - Air
 SE - Sediment
 SO - Soil
 L - Leachate
 W - Wipe
 DW - Drinking Water
 O - Other

Report To: Dean Tebrat
 Contact: E.E
 Company: 33 W. Murray St. Ink 550
 Address: Chicago, IL 60607
 Address: Chicago, IL 60607
 Phone: 712 578 9647
 Fax: 712 578 9345
 E-Mail: dtibrat@mac.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PCW/Reference: _____

Chain of Custody Number: EA-12-01
 Page 1 of 2
 Temperature °C of Cooler: _____

Chain of Custody Record
 Lab Job #: 500-35870

Client	Project Name	Client Project #	Preservative	Parameter	# Containers	Mark	Sampling		Comments	Preservative Key
							Date	Time		
Ecology - Environment	Irving Park Reg. I (I-19)	3133 ✓ I-12-01		VOC	3	S	6-24-11	1020	X	1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other
Project Location/State	DuPage County, IL	5672		SVOL	2	S	6-24-11	1025	X	
Sample	Scott Cooper	Dick Wright			2	S	6-24-11	1025	X	
					3	S	6-24-11	1115	X	
					2	S	6-24-11	1130	X	
					2	S	6-24-11	1225	X	

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

Requested Due Date: _____

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

Reinquisitioned By: SAZ Company: E.E Date: 6-24-11 Time: 1450

Received By: GLC Company: GLC Date: 6-24-11 Time: 1615

Lab Counter: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

North side of the road 100 block of E. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96098 Longitude: -87.93801
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96098 Longitude: -87.93801

Uncontaminated Site 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 E1259B01, E1259B03, and E1259B07 were sampled within the construction zone adjacent to ISGS #1583V-59: Vacant Lots. Refer to PSI Report for ISGS #1583V-59: Vacant Lots including Table 4-5, and Figure 4-1A, 4-2A.

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

See attached data summary table and associated laboratory data package J35809.

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

I, Steven Gobelman (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))

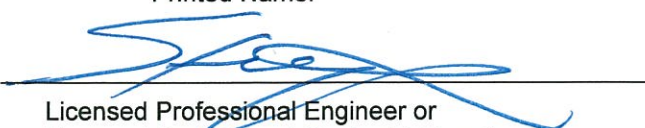
Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

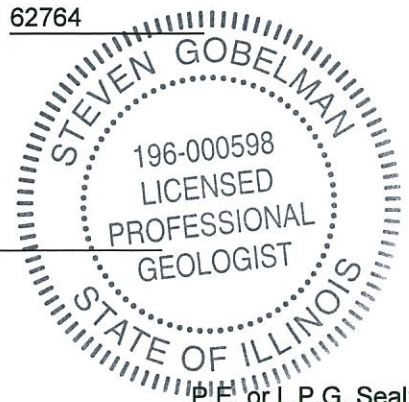
City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman
Printed Name:


 Licensed Professional Engineer or
 Licensed Professional Geologist Signature:

2/13/15
 Date:





Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-59 (Vacant Lots)						Comparison Criteria									
	E1259B01		E1259B03		E1259B07		MACs		Most Stringent	Within an MSA	Within Chicago	TACO SCGIER				
	E1259B01 (4-6)	E1259B01 (18-20)	E1259B03 (0-2)	E1259B03 (4-6)	E1259B07 (0-2)	E1259B07 (6-8)										
BORING	Soil		Soil		Soil											
SAMPLE	E1259B01 (4-6)		E1259B03 (0-2)		E1259B07 (0-2)		E1259B07 (6-8)									
MATRIX	Soil		Soil		Soil		Soil									
DEPTH (m)	1.2-1.8		0.0-0.6		1.2-1.8		0.0-0.6									
pH	8.13		7.62		8.37		8.36									
VOCs (None Detected)																
SVOCs (µg/kg)																
Acenaphthene	ND	U	ND	U	26	J	ND	U	ND	U	ND	U	570,000	--	--	--
Anthracene	ND	U	ND	U	54		ND	U	15	J	ND	U	12,000,000	--	--	--
Benzoflanthracene	14	J	ND	U	250		ND	U	100		ND	U	900	1,800	1,100	--
Benzoflpyrene	9.5	J	ND	U	230	†	ND	U	120	†	ND	U	90	2,100	1,300	--
Benzoflfluoranthene	15	J	ND	U	300		ND	U	140		ND	U	900	2,100	1,500	--
Benzofl,hlperylene	11	J	ND	U	190		ND	U	100		ND	U	2,300,000	--	--	--
Benzoflfluoranthene	9.7	J	ND	U	150		ND	U	91		ND	U	9,000	--	--	--
Carbazole	NA		NA		NA		NA		NA		NA		600	--	--	--
Chrysene	18	J	25	J	310		ND	U	160		ND	U	88,000	--	--	--
Dibenzo(a,h)anthracene	ND	U	ND	U	35	J	ND	U	ND	U	ND	U	90	420	200	--
Fluoranthene	39		ND	U	730		ND	U	250		ND	U	3,100,000	--	--	--
Fluorene	ND	U	ND	U	33	J	ND	U	9.3	J	ND	U	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	ND	U	ND	U	160		ND	U	79		ND	U	900	1,600	900	--
Phenanthrene	19	J	68		510		ND	U	110		ND	U	210,000	--	--	--
Pyrene	33	J	ND	U	610		ND	U	270		ND	U	2,300,000	--	--	--
Inorganics (mg/kg)																
Arsenic	9.1		7.2		5.3		11		6.9		6.0		11.3	13	--	--
Barium	58	B	29	B	29	B	46	B	60	B	77	B	1,500	--	--	--
Cadmium	0.61		0.50		0.30		0.35		0.54		0.23		5.2	--	--	--
Chromium	2.1	B	17	B	10	B	13	B	16	B	19	B	21	--	--	--
Lead	14		15		8.9		9.6		17		12		107	--	--	--
Mercury	0.022		0.023		0.023		0.014	J	0.022		0.026		0.89	--	--	--
TCPL Metals (mg/L)																
Barium	0.39	J	0.61		0.34	J	0.70		0.68		0.38	J	--	--	--	2
Cadmium	0.0027	J	ND	U	ND	U	0.0023	J	ND	U	ND	U	--	--	--	0.005
Lead	0.0073	J	0.0064	J	ND	U	0.0062	J	0.0081	L	ND	U	--	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-35809-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout

Cindy Pritchard

Authorized for release by:
07/11/2011 03:43:53 PM
Cindy Pritchard
Project Mgmt. Assistant
cindy.pritchard@testamericainc.com
Designee for
Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Job ID: 500-35809-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-35809-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 117485 exceeded control limits for the following analytes: cis and trans-1,3-Dichloropropene and Toluene. The laboratory control sample (LCS) was within limits.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: E1259B08 (4-6) (500-35809-11), E1259B08 (6-8) (500-35809-13), E1259B08D (4-6) (500-35809-12). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: Two matrix spike duplicate (MSD) recoveries for batch 117754 were outside control limits, biased low. All RPD's were < 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required. E1259B11 (0-2) (500-35809-1)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: AR1260.E1259B01 (4-6) (500-35809-9), E1259B08 (6-8) (500-35809-13), E1259B10 (2-4) (500-35809-3)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Chlordane and Methoxychlor.

Method(s) 8081A: The laboratory control sample (LCS) for preparation batch 118110 exceeded control limits for the following analyte: Methoxychlor. E1259B01 (4-6) (500-35809-9), E1259B08 (6-8) (500-35809-13), E1259B10 (2-4) (500-35809-3) The affected sample was a non detect for this analyte, and the data has been reported.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-35809-1, was outside control limits for Ba, Cr, and Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-35809-1 were outside control limits for Se. The MSD was also out for Pb. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B01 (4-6)

Lab Sample ID: 500-35809-9

Date Collected: 06/23/11 14:20

Matrix: Solid

Date Received: 06/24/11 06:30

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/05/11 22:46	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/05/11 22:46	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/05/11 22:46	20
Chloroform	<0.020		0.020	0.010	mg/L			07/05/11 22:46	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/05/11 22:46	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/05/11 22:46	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/05/11 22:46	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/05/11 22:46	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/05/11 22:46	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/05/11 22:46	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 124					07/05/11 22:46	20
Toluene-d8 (Surr)	101		80 - 121					07/05/11 22:46	20
4-Bromofluorobenzene (Surr)	98		77 - 112					07/05/11 22:46	20
Dibromofluoromethane	100		78 - 119					07/05/11 22:46	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.7		4.7	0.51	ug/Kg	*	06/23/11 14:20	06/27/11 12:10	1
Toluene	<4.7	*	4.7	0.92	ug/Kg	*	06/23/11 14:20	06/27/11 12:10	1
Ethylbenzene	<4.7		4.7	0.71	ug/Kg	*	06/23/11 14:20	06/27/11 12:10	1
Xylenes, Total	<9.5		9.5	0.66	ug/Kg	*	06/23/11 14:20	06/27/11 12:10	1
Methyl tert-butyl ether	<4.7		4.7	0.71	ug/Kg	*	06/23/11 14:20	06/27/11 12:10	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		69 - 120				06/23/11 14:20	06/27/11 12:10	1
Toluene-d8 (Surr)	96		69 - 122				06/23/11 14:20	06/27/11 12:10	1
4-Bromofluorobenzene (Surr)	99		67 - 120				06/23/11 14:20	06/27/11 12:10	1
Dibromofluoromethane	101		69 - 120				06/23/11 14:20	06/27/11 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.9	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Acenaphthylene	<38		38	5.9	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Acenaphthene	<38		38	8.0	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Fluorene	<38		38	7.3	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Phenanthrene	19	J	38	7.5	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Anthracene	<38		38	7.0	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Fluoranthene	39		38	7.1	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Pyrene	33	J	38	13	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Benzo[a]anthracene	14	J	38	8.2	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Chrysene	18	J	38	12	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Benzo[b]fluoranthene	15	J	38	7.9	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Benzo[k]fluoranthene	9.7	J	38	8.9	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Benzo[a]pyrene	9.5	J	38	7.3	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Indeno[1,2,3-cd]pyrene	<38		38	9.7	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Dibenz(a,h)anthracene	<38		38	9.6	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1
Benzo[g,h,i]perylene	11	J	38	9.3	ug/Kg	*	06/27/11 07:04	07/05/11 20:38	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B01 (4-6)

Lab Sample ID: 500-35809-9

Date Collected: 06/23/11 14:20

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 84.7

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	50		22 - 110	06/27/11 07:04	07/05/11 20:38	1
2-Fluorobiphenyl	56		27 - 113	06/27/11 07:04	07/05/11 20:38	1
Terphenyl-d14	77		33 - 129	06/27/11 07:04	07/05/11 20:38	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:57	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:57	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:57	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:57	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:57	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:57	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:57	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		06/29/11 10:50	07/01/11 14:57	1
Pyridine	<0.20		0.20	0.10	mg/L		06/29/11 10:50	07/01/11 14:57	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		06/29/11 10:50	07/01/11 14:57	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:57	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:57	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	45		20 - 100	06/29/11 10:50	07/01/11 14:57	1
Phenol-d5	27		20 - 100	06/29/11 10:50	07/01/11 14:57	1
Nitrobenzene-d5	79		39 - 110	06/29/11 10:50	07/01/11 14:57	1
2-Fluorobiphenyl	64		44 - 110	06/29/11 10:50	07/01/11 14:57	1
2,4,6-Tribromophenol	77		46 - 126	06/29/11 10:50	07/01/11 14:57	1
Terphenyl-d14	90		52 - 131	06/29/11 10:50	07/01/11 14:57	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		06/29/11 19:25	06/30/11 17:45	1
Endrin	<0.0050		0.0050	0.0025	mg/L		06/29/11 19:25	06/30/11 17:45	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		06/29/11 19:25	06/30/11 17:45	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		06/29/11 19:25	06/30/11 17:45	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		06/29/11 19:25	06/30/11 17:45	1
Methoxychlor	<0.010 *		0.010	0.0050	mg/L		06/29/11 19:25	06/30/11 17:45	1
Toxaphene	<0.050		0.050	0.025	mg/L		06/29/11 19:25	06/30/11 17:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		36 - 126	06/29/11 19:25	06/30/11 17:45	1
Tetrachloro-m-xylene	58		42 - 120	06/29/11 19:25	06/30/11 17:45	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.5	ug/Kg	☼	06/24/11 19:19	06/28/11 13:52	1
PCB-1221	<19		19	7.1	ug/Kg	☼	06/24/11 19:19	06/28/11 13:52	1
PCB-1232	<19		19	6.6	ug/Kg	☼	06/24/11 19:19	06/28/11 13:52	1
PCB-1242	<19		19	5.8	ug/Kg	☼	06/24/11 19:19	06/28/11 13:52	1
PCB-1248	<19		19	6.4	ug/Kg	☼	06/24/11 19:19	06/28/11 13:52	1
PCB-1254	<19		19	5.9	ug/Kg	☼	06/24/11 19:19	06/28/11 13:52	1
PCB-1260	<19		19	6.1	ug/Kg	☼	06/24/11 19:19	06/28/11 13:52	1
Polychlorinated biphenyls, Total	<19		19	4.5	ug/Kg	☼	06/24/11 19:19	06/28/11 13:52	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B01 (4-6)

Lab Sample ID: 500-35809-9

Date Collected: 06/23/11 14:20

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 84.7

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		28 - 124	06/24/11 19:19	06/28/11 13:52	1
DCB Decachlorobiphenyl	82		38 - 130	06/24/11 19:19	06/28/11 13:52	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		06/30/11 09:50	07/01/11 05:28	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		06/30/11 09:50	07/01/11 05:28	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	76		30 - 110	06/30/11 09:50	07/01/11 05:28	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.1		0.54	0.076	mg/Kg	☼	06/27/11 10:15	06/28/11 16:53	1
Barium	58	B	0.54	0.030	mg/Kg	☼	06/27/11 10:15	06/28/11 16:53	1
Cadmium	0.61		0.11	0.015	mg/Kg	☼	06/27/11 10:15	06/28/11 16:53	1
Chromium	21	B	0.54	0.046	mg/Kg	☼	06/27/11 10:15	06/28/11 16:53	1
Lead	14		0.27	0.13	mg/Kg	☼	06/27/11 10:15	06/28/11 16:53	1
Selenium	<0.54	L	0.54	0.15	mg/Kg	☼	06/27/11 10:15	06/28/11 16:53	1
Silver	<0.27		0.27	0.034	mg/Kg	☼	06/27/11 10:15	06/28/11 16:53	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		06/29/11 08:00	06/29/11 16:47	1
Barium	0.39	J	0.50	0.010	mg/L		06/29/11 08:00	06/29/11 16:47	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 16:47	1
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 16:47	1
Lead	0.0073	J	0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 16:47	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 16:47	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 16:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 14:08	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.0019	mg/Kg	☼	06/27/11 08:40	06/27/11 13:22	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			06/30/11 10:49	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	5.8	mg/Kg		06/30/11 10:24	06/30/11 15:53	1
Cyanide, Reactive	<0.42		0.42	0.11	mg/Kg		06/28/11 10:35	06/28/11 15:20	1
pH	8.13		0.200	0.200	SU			06/29/11 12:57	1
Paint Filter	pass				mL/100g			06/30/11 17:55	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B01 (18-20)

Lab Sample ID: 500-35809-10

Date Collected: 06/23/11 14:25

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.1		4.1	0.45	ug/Kg	☼	06/23/11 14:25	06/27/11 12:34	1
Toluene	<4.1	*	4.1	0.80	ug/Kg	☼	06/23/11 14:25	06/27/11 12:34	1
Ethylbenzene	<4.1		4.1	0.62	ug/Kg	☼	06/23/11 14:25	06/27/11 12:34	1
Xylenes, Total	<8.3		8.3	0.58	ug/Kg	☼	06/23/11 14:25	06/27/11 12:34	1
Methyl tert-butyl ether	<4.1		4.1	0.62	ug/Kg	☼	06/23/11 14:25	06/27/11 12:34	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		69 - 120	06/23/11 14:25	06/27/11 12:34	1
Toluene-d8 (Surr)	93		69 - 122	06/23/11 14:25	06/27/11 12:34	1
4-Bromofluorobenzene (Surr)	92		67 - 120	06/23/11 14:25	06/27/11 12:34	1
Dibromofluoromethane	100		69 - 120	06/23/11 14:25	06/27/11 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	7.0	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Acenaphthylene	<38		38	6.0	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Acenaphthene	<38		38	8.0	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Fluorene	<38		38	7.3	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Phenanthrene	68		38	7.5	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Anthracene	<38		38	7.0	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Pyrene	<38		38	13	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Benzo[a]anthracene	<38		38	8.2	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Chrysene	25	J	38	12	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Benzo[b]fluoranthene	<38		38	8.0	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Benzo[k]fluoranthene	<38		38	9.0	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Indeno[1,2,3-cd]pyrene	<38		38	9.8	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Dibenz(a,h)anthracene	<38		38	9.7	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1
Benzo[g,h,i]perylene	<38		38	9.4	ug/Kg	☼	06/27/11 07:04	07/05/11 20:59	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	40		22 - 110	06/27/11 07:04	07/05/11 20:59	1
2-Fluorobiphenyl	54		27 - 113	06/27/11 07:04	07/05/11 20:59	1
Terphenyl-d14	65		33 - 129	06/27/11 07:04	07/05/11 20:59	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2		0.56	0.078	mg/Kg	☼	06/27/11 10:15	06/28/11 17:00	1
Barium	29	B	0.56	0.031	mg/Kg	☼	06/27/11 10:15	06/28/11 17:00	1
Cadmium	0.50		0.11	0.015	mg/Kg	☼	06/27/11 10:15	06/28/11 17:00	1
Chromium	17	B	0.56	0.048	mg/Kg	☼	06/27/11 10:15	06/28/11 17:00	1
Lead	15		0.28	0.13	mg/Kg	☼	06/27/11 10:15	06/28/11 17:00	1
Selenium	<0.56		0.56	0.16	mg/Kg	☼	06/27/11 10:15	06/28/11 17:00	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	06/27/11 10:15	06/28/11 17:00	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		06/29/11 08:00	06/29/11 16:53	1
Barium	0.61		0.50	0.010	mg/L		06/29/11 08:00	06/29/11 16:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 16:53	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B01 (18-20)

Lab Sample ID: 500-35809-10

Date Collected: 06/23/11 14:25

Matrix: Solid

Date Received: 06/24/11 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 16:53	1
Lead	0.0064	J	0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 16:53	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 16:53	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 16:53	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 13:47	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.017	0.0017	mg/Kg	☼	06/27/11 08:40	06/27/11 13:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.78		0.200	0.200	SU			06/29/11 12:59	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B07 (0-2)

Lab Sample ID: 500-35809-14

Date Collected: 06/23/11 11:50

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.8		4.8	0.52	ug/Kg	☼	06/23/11 11:50	06/27/11 12:59	1
Toluene	<4.8	*	4.8	0.93	ug/Kg	☼	06/23/11 11:50	06/27/11 12:59	1
Ethylbenzene	<4.8		4.8	0.72	ug/Kg	☼	06/23/11 11:50	06/27/11 12:59	1
Xylenes, Total	<9.5		9.5	0.67	ug/Kg	☼	06/23/11 11:50	06/27/11 12:59	1
Methyl tert-butyl ether	<4.8		4.8	0.72	ug/Kg	☼	06/23/11 11:50	06/27/11 12:59	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		69 - 120	06/23/11 11:50	06/27/11 12:59	1
Toluene-d8 (Surr)	95		69 - 122	06/23/11 11:50	06/27/11 12:59	1
4-Bromofluorobenzene (Surr)	96		67 - 120	06/23/11 11:50	06/27/11 12:59	1
Dibromofluoromethane	101		69 - 120	06/23/11 11:50	06/27/11 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.2	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Acenaphthylene	<39		39	6.2	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Acenaphthene	<39		39	8.3	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Fluorene	9.3	J	39	7.6	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Phenanthrene	110		39	7.8	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Anthracene	15	J	39	7.3	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Fluoranthene	250		39	7.4	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Pyrene	270		39	14	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Benzo[a]anthracene	100		39	8.5	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Chrysene	160		39	13	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Benzo[b]fluoranthene	140		39	8.2	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Benzo[k]fluoranthene	91		39	9.3	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Benzo[a]pyrene	120		39	7.6	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Indeno[1,2,3-cd]pyrene	79		39	10	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Dibenz(a,h)anthracene	<39		39	10	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1
Benzo[g,h,i]perylene	100		39	9.7	ug/Kg	☼	06/27/11 07:04	07/05/11 22:23	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	36		22 - 110	06/27/11 07:04	07/05/11 22:23	1
2-Fluorobiphenyl	52		27 - 113	06/27/11 07:04	07/05/11 22:23	1
Terphenyl-d14	93		33 - 129	06/27/11 07:04	07/05/11 22:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.9		0.59	0.083	mg/Kg	☼	06/27/11 10:15	06/28/11 17:41	1
Barium	60	B	0.59	0.033	mg/Kg	☼	06/27/11 10:15	06/28/11 17:41	1
Cadmium	0.54		0.12	0.016	mg/Kg	☼	06/27/11 10:15	06/28/11 17:41	1
Chromium	16	B	0.59	0.050	mg/Kg	☼	06/27/11 10:15	06/28/11 17:41	1
Lead	17		0.30	0.14	mg/Kg	☼	06/27/11 10:15	06/28/11 17:41	1
Selenium	<0.59		0.59	0.17	mg/Kg	☼	06/27/11 10:15	06/28/11 17:41	1
Silver	<0.30		0.30	0.037	mg/Kg	☼	06/27/11 10:15	06/28/11 17:41	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		06/29/11 08:00	06/29/11 17:18	1
Barium	0.68		0.50	0.010	mg/L		06/29/11 08:00	06/29/11 17:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 17:18	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B07 (0-2)

Lab Sample ID: 500-35809-14

Date Collected: 06/23/11 11:50

Matrix: Solid

Date Received: 06/24/11 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 17:18	1
Lead	0.0081		0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 17:18	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 17:18	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 17:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 13:54	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.020	0.0020	mg/Kg	☼	06/27/11 08:40	06/27/11 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.36		0.200	0.200	SU			06/29/11 13:10	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B07 (6-8)

Lab Sample ID: 500-35809-15

Date Collected: 06/23/11 11:55

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<5.2		5.2	0.56	ug/Kg	☼	06/23/11 11:55	06/27/11 13:24	1
Toluene	<5.2	*	5.2	1.0	ug/Kg	☼	06/23/11 11:55	06/27/11 13:24	1
Ethylbenzene	<5.2		5.2	0.78	ug/Kg	☼	06/23/11 11:55	06/27/11 13:24	1
Xylenes, Total	<10		10	0.73	ug/Kg	☼	06/23/11 11:55	06/27/11 13:24	1
Methyl tert-butyl ether	<5.2		5.2	0.78	ug/Kg	☼	06/23/11 11:55	06/27/11 13:24	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		69 - 120	06/23/11 11:55	06/27/11 13:24	1
Toluene-d8 (Surr)	95		69 - 122	06/23/11 11:55	06/27/11 13:24	1
4-Bromofluorobenzene (Surr)	97		67 - 120	06/23/11 11:55	06/27/11 13:24	1
Dibromofluoromethane	103		69 - 120	06/23/11 11:55	06/27/11 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<41		41	7.5	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Acenaphthylene	<41		41	6.4	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Acenaphthene	<41		41	8.6	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Fluorene	<41		41	7.9	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Phenanthrene	<41		41	8.1	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Anthracene	<41		41	7.5	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Fluoranthene	<41		41	7.7	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Pyrene	<41		41	14	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Benzo[a]anthracene	<41		41	8.8	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Chrysene	<41		41	13	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Benzo[b]fluoranthene	<41		41	8.5	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Benzo[k]fluoranthene	<41		41	9.7	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Benzo[a]pyrene	<41		41	7.9	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Indeno[1,2,3-cd]pyrene	<41		41	10	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Dibenz(a,h)anthracene	<41		41	10	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1
Benzo[g,h,i]perylene	<41		41	10	ug/Kg	☼	06/27/11 07:04	07/05/11 22:44	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	31		22 - 110	06/27/11 07:04	07/05/11 22:44	1
2-Fluorobiphenyl	52		27 - 113	06/27/11 07:04	07/05/11 22:44	1
Terphenyl-d14	68		33 - 129	06/27/11 07:04	07/05/11 22:44	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.0		0.61	0.085	mg/Kg	☼	06/27/11 10:15	06/28/11 17:48	1
Barium	77	B	0.61	0.034	mg/Kg	☼	06/27/11 10:15	06/28/11 17:48	1
Cadmium	0.23		0.12	0.016	mg/Kg	☼	06/27/11 10:15	06/28/11 17:48	1
Chromium	19	B	0.61	0.052	mg/Kg	☼	06/27/11 10:15	06/28/11 17:48	1
Lead	12		0.30	0.15	mg/Kg	☼	06/27/11 10:15	06/28/11 17:48	1
Selenium	<0.61		0.61	0.17	mg/Kg	☼	06/27/11 10:15	06/28/11 17:48	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	06/27/11 10:15	06/28/11 17:48	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		06/29/11 08:00	06/29/11 17:39	1
Barium	0.38	J	0.50	0.010	mg/L		06/29/11 08:00	06/29/11 17:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 17:39	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B07 (6-8)

Lab Sample ID: 500-35809-15

Date Collected: 06/23/11 11:55

Matrix: Solid

Date Received: 06/24/11 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 17:39	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 17:39	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 17:39	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 17:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 13:55	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.020	0.0020	mg/Kg	✱	06/27/11 08:40	06/27/11 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.99		0.200	0.200	SU			06/29/11 13:12	1

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

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B03 (0-2)

Lab Sample ID: 500-35809-16

Date Collected: 06/23/11 12:35

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.3		4.3	0.47	ug/Kg	☼	06/23/11 12:35	06/27/11 13:49	1
Toluene	<4.3	*	4.3	0.84	ug/Kg	☼	06/23/11 12:35	06/27/11 13:49	1
Ethylbenzene	<4.3		4.3	0.65	ug/Kg	☼	06/23/11 12:35	06/27/11 13:49	1
Xylenes, Total	<8.7		8.7	0.61	ug/Kg	☼	06/23/11 12:35	06/27/11 13:49	1
Methyl tert-butyl ether	<4.3		4.3	0.65	ug/Kg	☼	06/23/11 12:35	06/27/11 13:49	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		69 - 120	06/23/11 12:35	06/27/11 13:49	1
Toluene-d8 (Surr)	96		69 - 122	06/23/11 12:35	06/27/11 13:49	1
4-Bromofluorobenzene (Surr)	97		67 - 120	06/23/11 12:35	06/27/11 13:49	1
Dibromofluoromethane	103		69 - 120	06/23/11 12:35	06/27/11 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<36		36	6.6	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Acenaphthylene	<36		36	5.6	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Acenaphthene	26	J	36	7.6	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Fluorene	33	J	36	6.9	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Phenanthrene	510		36	7.1	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Anthracene	54		36	6.6	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Fluoranthene	730		36	6.8	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Pyrene	610		36	12	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Benzo[a]anthracene	250		36	7.8	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Chrysene	310		36	12	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Benzo[b]fluoranthene	300		36	7.5	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Benzo[k]fluoranthene	150		36	8.5	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Benzo[a]pyrene	230		36	7.0	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Indeno[1,2,3-cd]pyrene	160		36	9.3	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Dibenz(a,h)anthracene	35	J	36	9.2	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1
Benzo[g,h,i]perylene	190		36	8.9	ug/Kg	☼	06/27/11 07:04	07/05/11 23:04	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	39		22 - 110	06/27/11 07:04	07/05/11 23:04	1
2-Fluorobiphenyl	62		27 - 113	06/27/11 07:04	07/05/11 23:04	1
Terphenyl-d14	76		33 - 129	06/27/11 07:04	07/05/11 23:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.3		0.57	0.080	mg/Kg	☼	06/27/11 10:15	06/28/11 17:54	1
Barium	29	B	0.57	0.032	mg/Kg	☼	06/27/11 10:15	06/28/11 17:54	1
Cadmium	0.30		0.11	0.015	mg/Kg	☼	06/27/11 10:15	06/28/11 17:54	1
Chromium	10	B	0.57	0.049	mg/Kg	☼	06/27/11 10:15	06/28/11 17:54	1
Lead	8.9		0.29	0.14	mg/Kg	☼	06/27/11 10:15	06/28/11 17:54	1
Selenium	<0.57		0.57	0.16	mg/Kg	☼	06/27/11 10:15	06/28/11 17:54	1
Silver	<0.29		0.29	0.036	mg/Kg	☼	06/27/11 10:15	06/28/11 17:54	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		06/29/11 08:00	06/29/11 17:45	1
Barium	0.34	J	0.50	0.010	mg/L		06/29/11 08:00	06/29/11 17:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 17:45	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B03 (0-2)

Lab Sample ID: 500-35809-16

Date Collected: 06/23/11 12:35

Matrix: Solid

Date Received: 06/24/11 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 17:45	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 17:45	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 17:45	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 17:45	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 14:01	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.017	0.0017	mg/Kg	☼	06/27/11 08:40	06/27/11 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.62		0.200	0.200	SU			06/29/11 13:14	1

- 1
- 2
- 3
- 4
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- 11
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- 13
- 14

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B03 (4-6)

Lab Sample ID: 500-35809-17

Date Collected: 06/23/11 12:40

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<4.7		4.7	0.50	ug/Kg	☼	06/23/11 12:40	06/27/11 14:13	1
Toluene	<4.7	*	4.7	0.91	ug/Kg	☼	06/23/11 12:40	06/27/11 14:13	1
Ethylbenzene	<4.7		4.7	0.70	ug/Kg	☼	06/23/11 12:40	06/27/11 14:13	1
Xylenes, Total	<9.3		9.3	0.65	ug/Kg	☼	06/23/11 12:40	06/27/11 14:13	1
Methyl tert-butyl ether	<4.7		4.7	0.70	ug/Kg	☼	06/23/11 12:40	06/27/11 14:13	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		69 - 120	06/23/11 12:40	06/27/11 14:13	1
Toluene-d8 (Surr)	96		69 - 122	06/23/11 12:40	06/27/11 14:13	1
4-Bromofluorobenzene (Surr)	96		67 - 120	06/23/11 12:40	06/27/11 14:13	1
Dibromofluoromethane	100		69 - 120	06/23/11 12:40	06/27/11 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.0	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Acenaphthylene	<39		39	6.0	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Acenaphthene	<39		39	8.1	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Fluorene	<39		39	7.4	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Phenanthrene	<39		39	7.6	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Anthracene	<39		39	7.1	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Fluoranthene	<39		39	7.2	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Pyrene	<39		39	13	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Benzo[a]anthracene	<39		39	8.3	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Chrysene	<39		39	12	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Benzo[b]fluoranthene	<39		39	8.1	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Benzo[k]fluoranthene	<39		39	9.1	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Indeno[1,2,3-cd]pyrene	<39		39	9.9	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Dibenz(a,h)anthracene	<39		39	9.8	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1
Benzo[g,h,i]perylene	<39		39	9.5	ug/Kg	☼	06/27/11 07:04	07/05/11 23:25	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	51		22 - 110	06/27/11 07:04	07/05/11 23:25	1
2-Fluorobiphenyl	72		27 - 113	06/27/11 07:04	07/05/11 23:25	1
Terphenyl-d14	100		33 - 129	06/27/11 07:04	07/05/11 23:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		0.59	0.082	mg/Kg	☼	06/27/11 10:15	06/28/11 18:00	1
Barium	46	B	0.59	0.033	mg/Kg	☼	06/27/11 10:15	06/28/11 18:00	1
Cadmium	0.35		0.12	0.016	mg/Kg	☼	06/27/11 10:15	06/28/11 18:00	1
Chromium	13	B	0.59	0.050	mg/Kg	☼	06/27/11 10:15	06/28/11 18:00	1
Lead	9.6		0.29	0.14	mg/Kg	☼	06/27/11 10:15	06/28/11 18:00	1
Selenium	<0.59		0.59	0.16	mg/Kg	☼	06/27/11 10:15	06/28/11 18:00	1
Silver	<0.29		0.29	0.037	mg/Kg	☼	06/27/11 10:15	06/28/11 18:00	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		06/29/11 08:00	06/29/11 17:51	1
Barium	0.70		0.50	0.010	mg/L		06/29/11 08:00	06/29/11 17:51	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 17:51	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B03 (4-6)

Lab Sample ID: 500-35809-17

Date Collected: 06/23/11 12:40

Matrix: Solid

Date Received: 06/24/11 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 17:51	1
Lead	0.0062	J	0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 17:51	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 17:51	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 17:51	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 14:03	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.017	0.0018	mg/Kg	☼	06/27/11 08:40	06/27/11 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.37		0.200	0.200	SU			06/29/11 13:17	1

- 1
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Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit
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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

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Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Chain of Custody Record

Lab Job #: **500-35809**
 Chain of Custody Number: **EE6-12-01**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.4) (3.2)**

Report To: **Dean Ziebart**
 Contact: **E-C**
 Company: **33 Williams St, Apt 550**
 Address: **Chicago, IL 60613**
 Address: **312.576.9245**
 Phone: **312.576.9345**
 Fax: **312.576.9345**
 E-Mail: **dziebart@ene.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 POC/Reference# _____

Lab ID	MSMS	Sample ID	Date	Time	Sampling	Matrix	# Containers	Preservative	Parameter	VOC	PAH	Total PCBs	Methyl	TCP/PCBs	Methyl	PHT/90 Sol. D	Wink	Dispersal	RTEX + MTRC	Comments
1		E1259B11 (02)	6-23-11	0955		2 S	2			X	X	X	X	X	X	X				
2		E1259B11 (46)	6-23-11	0910		2 S	2			X	X	X	X	X	X	X				
3		E1259B10 (2-4)	6-23-11	1005		3 S	3			X	X	X	X	X	X	X				
4		E1259B10 (6-8)	6-23-11	1010		2 S	2			X	X	X	X	X	X	X				
5		E1259G10	6-23-11	1030		6 W	6			X	X	X	X	X	X	X				
6		E1259G10 D	6-23-11	1030		6 W	6			X	X	X	X	X	X	X				
7		E127B01	6-23-11	-		2 W	2			X	X	X	X	X	X	X				
8		E1259G107	6-23-11	1200		3 W	3			X	X	X	X	X	X	X				
9		E1259B01 (4-6)	6-23-11	1420		3 S	3			X	X	X	X	X	X	X				
10		E1259B01 (18-20)	6-23-11	1425		2 S	2			X	X	X	X	X	X	X				

Client: **Ecology Environment**
 Client Project #: **3133 VIL 01**
 Project Name: **Irving Park Road (IL 19)**
 Project Location/State: **Dalago County, IL**
 Lab Project #: **5672**
 Lab POC: **Scott Cooper**
 Sample: **Dick weight**

Preservative Key:
 1. HCL, Cool to 4°
 2. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/ZN, Cool to 4°
 6. NaHSO4
 7. Cool to 4°
 8. None
 9. Other

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

Requested Due Date: _____

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

Reinquired By: **SAZ** Company: **E-C** Date: **6-27-11** Time: **1410**
 Reinquired By: **SAZ** Company: **E-C** Date: **6-27-11** Time: **1520**
 Reinquired By: **SAZ** Company: **E-C** Date: **6-27-11** Time: **1520**

Lab Courier: **TA**
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____

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

Report To: (optional) Dean Tick-out
 Contact: E-E
 Company: 33W HUNTER ST. 1st FL. STA
 Address: Chicago IL 60605
 Address: 312.576.9243
 Phone: 312.576.9345
 Fax: 312.576.9345
 E-Mail: dtickout@me.com

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

Chain of Custody Record
 Lab Job #: 500-35809
 Chain of Custody Number: EEG-12-02
 Page 1 of 1
 Temperature °C of Cooler:

Lab ID	MSMSD	Sample ID	Date	Time	Preservative	Parameter	# of Containers	Matrix	PAH	BTEX+MTBE	Total PCH	Temp ppm	Meth	PT/% solids	Wash Deposit	Comments
11		E1259308 (4-6)	6-23-11	1125	2 S		2 S		X	X	X	X	X	X		
12		E1259308 (4-6)	6-23-11	1127	2 S		2 S		X	X	X	X	X	X		
13		E1259308 (6-E)	6-23-11	1130	3 S		3 S		X	X	X	X	X	X		
14		E1259307 (6-2)	6-23-11	1150	2 S		2 S		X	X	X	X	X	X		
15		E1259307 (6-E)	6-23-11	1155	2 S		2 S		X	X	X	X	X	X		
8		E1259407	6-23-11	1200	2 W		2 W		X		X					
16		E1259303 (6-2)	6-23-11	1235	2 S		2 S		X	X	X	X	X	X		
17		E1259303 (4-6)	6-23-11	1240	2 S		2 S		X	X	X	X	X	X		
18		E1259302 (4-6)	6-23-11	1305	2 S		2 S		X	X	X	X	X	X		
19		E1259302 (6-E)	6-23-11	1310	2 S		2 S		X	X	X	X	X	X		

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

Requested Due Date _____

Sample Disposal: Disposal by Lab Return to Client

Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Received By: [Signature] Company: FA Date: 6/23/11 Time: 1120

Received By: [Signature] Company: FA Date: 6-23-11 Time: 1520

Received By: [Signature] Company: FA Date: 6/24/11 Time: 0630

Lab Courier: TA

Shipped: _____

Hand Delivered: _____

Lab Comments: _____

Client Comments: _____

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

Login Sample Receipt Checklist

Client: Ecology and Environment, Inc.

Job Number: 500-35809-1

Login Number: 35809

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.4,3.2
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

South side of the road 100 block of E. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96037 Longitude: -87.93863
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

- GPS Map Interpolation Photo Interpolation Survey Other

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

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96037 Longitude: -87.93863

Uncontaminated Site 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 E1259B12 was sampled within the construction zone adjacent to ISGS #1583V-59: Vacant Lots. Refer to PSI Report for ISGS #1583V-59: Vacant Lots including Table 4-5, and Figure 4-1A.

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

See attached data summary table and associated laboratory data package J36265.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

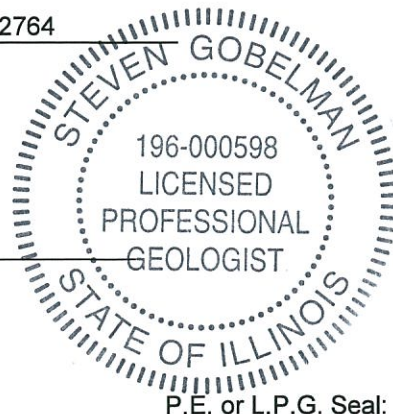
Phone: 217-785-4246

Steven Gobelman

Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/13/19
Date:





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

Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-59 (Vacant Lots)	Comparison Criteria			
BORING	E1259B12	MACs			TACO SCGIER
SAMPLE	E1259B12 (8-10)	Most Stringent	Within an MSA	Within Chicago	
MATRIX	Soil				
DEPTH (m)	2.4-3.1				
pH	8.31				
VOCs (µg/kg)					
Acetone	4.1 J	25,000	--	--	--
SVOCs (µg/kg)					
Acenaphthene	51	570,000	--	--	--
Anthracene	110	12,000,000	--	--	--
Benzo[a]anthracene	230	900	1,800	1,100	--
Benzo[a]pyrene	190 †	90	2,100	1,300	--
Benzo[b]fluoranthene	240	900	2,100	1,500	--
Benzo[g,h,i]perylene	130	2,300,000	--	--	--
Benzo[k]fluoranthene	140	9,000	--	--	--
Carbazole	79 J	600	--	--	--
Chrysene	260	88,000	--	--	--
Dibenzo(a,h)anthracene	37 J	90	420	200	--
Fluoranthene	730	3,100,000	--	--	--
Fluorene	65	560,000	--	--	--
Indeno[1,2,3-cd]pyrene	120	900	1,600	900	--
Naphthalene	9.2 J	1,800	--	--	--
Phenanthrene	590	210,000	--	--	--
Pyrene	500	2,300,000	--	--	--
Inorganics (mg/kg)					
Antimony	0.33 J	5	--	--	--
Arsenic	5.6 V	11.3	13	--	--
Barium	38	1,500	--	--	--
Beryllium	0.60 V	22	--	--	--
Cadmium	0.30	5.2	--	--	--
Chromium	19 V	21	--	--	--
Copper	25	2,900	--	--	--
Lead	11 V	107	--	--	--
Mercury	0.041 B	0.89	--	--	--
Nickel	25 B V	100	--	--	--
Thallium	0.19 J	2.6	--	--	--
Zinc	43 B V	5,100	--	--	--
TCLP Metals (mg/L)					
Barium	0.29 J	--	--	--	2
Zinc	0.020 J	--	--	--	5

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-36265-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout



Authorized for release by:
07/19/2011 02:44:32 PM

Richard Wright
Project Manager II
richard.wright@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Job ID: 500-36265-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-36265-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample submitted for volatiles analysis was received with insufficient preservation (pH=4): E1259G09 (500-36265-4).

Method(s) 8260B: Sample -7 was initially analyzed without dilution with all internal standard areas outside the method criteria. Sample -7 was re-analyzed without dilution with similar results. No usable data was obtained. Sample -7 was re-analyzed at a dilution using the methanol extract. All internal standard areas were within limits. Only the diluted analysis has been reported. Elevated reporting limits have been provided. E1227B12 (14-16) (500-36265-7).

Method(s) 8260B: The following sample(s) was diluted due to the abundance of non-target analytes: E1259B09 (4-6) (500-36265-2), E1259B09 (8-10) (500-36265-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 118760 exceeded control limits (20%) for Pyrene at 23%. Since the % recoveries were within limits, no further action was required. E1259G09 (500-36265-4)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The capping continuing calibration verification (CCV) analyzed on 7/13/11 at 1845 did not meet control limits (biased low). Sample matrix from the previously analyzed sample is suspected to have contributed to this failure. E1227B09 (10-12) (500-36265-13), E1227B09 (2-4) (500-36265-12), E1227B10 (0-2) (500-36265-10), E1227B10 (12-14) (500-36265-11), E1227B11 (16-18) (500-36265-9), E1227B11 (4-6) (500-36265-8)

Method(s) 8081A: The continuing calibration verification (CCV) for 115912 recovered above the upper control limit for Methoxychlor, Toxaphene, and Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. E1259B09 (4-6) (500-36265-2)

Method(s) 8151A: The capping continuing calibration verification (CCV) for analytical batch 119533 exceeded control criteria for 2,4-D. The prior CCV met control limits. Sample matrix from other clients are suspected in baseline interference. The affected samples were non-detects for this analyte. E1259B09 (4-6) (500-36265-2)

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-36265-1, was outside control limits for As, Be, Cr, Ni, Pb, and Zn.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-36265-1 were outside control limits for As, Pb, Sb, and Se. The MS was also out for Cu and Zn. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 7471A: The matrix duplicate %RPD for 500-36265-10 was outside the control limits for Hg.

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Job ID: 500-36265-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	SVOC	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Total Metals	SW846	TAL CHI
6010B	PPL+Ba Metals	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	TCLP Mercury	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1259B12 (8-10)

Lab Sample ID: 500-36265-1

Date Collected: 07/06/11 09:45

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 84.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.6		4.6	0.76	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Vinyl chloride	<4.6		4.6	0.65	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Bromomethane	<4.6		4.6	0.99	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Chloroethane	<4.6		4.6	0.98	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
1,1-Dichloroethene	<4.6		4.6	0.73	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Carbon disulfide	<4.6		4.6	0.66	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Acetone	4.1	J	4.6	2.3	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Methylene Chloride	<4.6		4.6	1.3	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
trans-1,2-Dichloroethene	<4.6		4.6	0.66	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Methyl tert-butyl ether	<4.6		4.6	0.70	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
1,1-Dichloroethane	<4.6		4.6	0.73	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
cis-1,2-Dichloroethene	<4.6		4.6	0.68	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Methyl Ethyl Ketone	<4.6		4.6	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Chloroform	<4.6		4.6	0.85	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
1,1,1-Trichloroethane	<4.6		4.6	0.89	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Carbon tetrachloride	<4.6		4.6	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Benzene	<4.6		4.6	0.50	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
1,2-Dichloroethane	<4.6		4.6	0.47	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Trichloroethene	<4.6		4.6	0.75	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
1,2-Dichloropropane	<4.6		4.6	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Bromodichloromethane	<4.6		4.6	0.71	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
cis-1,3-Dichloropropene	<4.6		4.6	0.53	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
methyl isobutyl ketone	<4.6		4.6	0.79	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Toluene	<4.6		4.6	0.90	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
trans-1,3-Dichloropropene	<4.6		4.6	1.0	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
1,1,2-Trichloroethane	<4.6		4.6	0.62	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Tetrachloroethene	<4.6		4.6	0.88	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
2-Hexanone	<4.6		4.6	0.66	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Dibromochloromethane	<4.6		4.6	0.64	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Chlorobenzene	<4.6		4.6	0.73	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Ethylbenzene	<4.6		4.6	0.70	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Styrene	<4.6		4.6	0.59	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Bromoform	<4.6		4.6	0.75	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
1,1,2,2-Tetrachloroethane	<4.6		4.6	0.63	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
Xylenes, Total	<9.3		9.3	0.65	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1
1,3-Dichloropropene, Total	<4.6		4.6	0.53	ug/Kg	*	07/06/11 09:45	07/08/11 12:36	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		69 - 120	07/06/11 09:45	07/08/11 12:36	1
Toluene-d8 (Surr)	106		69 - 122	07/06/11 09:45	07/08/11 12:36	1
4-Bromofluorobenzene (Surr)	102		67 - 120	07/06/11 09:45	07/08/11 12:36	1
Dibromofluoromethane	109		69 - 120	07/06/11 09:45	07/08/11 12:36	1

Method: 8270C - SVOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2,4,6-Trichlorophenol	<380		380	83	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2,4-Dichlorophenol	<380		380	49	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2,4-Dimethylphenol	<380		380	130	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2,4-Dinitrophenol	<780		780	280	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1259B12 (8-10)

Lab Sample ID: 500-36265-1

Date Collected: 07/06/11 09:45

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 84.6

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<190		190	40	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2,6-Dinitrotoluene	<190		190	26	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2-Chloronaphthalene	<190		190	15	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2-Chlorophenol	<190		190	20	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2-Methylnaphthalene	<190		190	15	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2-Methylphenol	<190		190	29	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2-Nitroaniline	<190		190	23	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2-Nitrophenol	<380		380	110	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
3,3'-Dichlorobenzidine	<190		190	28	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
3-Nitroaniline	<380		380	67	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
4,6-Dinitro-2-methylphenol	<380		380	73	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
4-Bromophenyl phenyl ether	<190		190	24	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
4-Chloro-3-methylphenol	<380		380	95	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
4-Chloroaniline	<780		780	120	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
4-Nitroaniline	<380		380	66	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
4-Nitrophenol	<780		780	310	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Acenaphthene	51		38	8.1	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Acenaphthylene	<38		38	6.0	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Anthracene	110		38	7.1	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Benzo[a]anthracene	230		38	8.3	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Benzo[a]pyrene	190		38	7.4	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Benzo[b]fluoranthene	240		38	8.0	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Benzo[g,h,i]perylene	130		38	9.4	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Benzo[k]fluoranthene	140		38	9.1	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Bis(2-chloroethoxy)methane	<190		190	16	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Bis(2-chloroethyl)ether	<190		190	22	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Bis(2-ethylhexyl) phthalate	<190		190	21	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Butyl benzyl phthalate	<190		190	32	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Carbazole	79 J		190	21	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Chrysene	260		38	12	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Dibenz(a,h)anthracene	37 J		38	9.8	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Dibenzofuran	<190		190	44	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Diethyl phthalate	<190		190	42	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Dimethyl phthalate	<190		190	17	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Di-n-butyl phthalate	<190		190	21	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Di-n-octyl phthalate	<190		190	31	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
1,3-Dichlorobenzene	<190		190	21	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Fluoranthene	730		38	7.2	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Fluorene	65		38	7.4	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Hexachlorobenzene	<78		78	7.5	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Hexachlorobutadiene	<190		190	30	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Hexachlorocyclopentadiene	<780		780	380	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Hexachloroethane	<190		190	29	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Indeno[1,2,3-cd]pyrene	120		38	9.9	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Isophorone	<190		190	86	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Naphthalene	9.2 J		38	7.0	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
Nitrobenzene	<38		38	9.3	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
1,4-Dichlorobenzene	<190		190	22	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1
2,2'-oxybis[1-chloropropane]	<190		190	42	ug/Kg	*	07/11/11 16:33	07/13/11 21:08	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1259B12 (8-10)

Lab Sample ID: 500-36265-1

Date Collected: 07/06/11 09:45

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 84.6

Method: 8270C - SVOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	<190		190	27	ug/Kg	☼	07/11/11 16:33	07/13/11 21:08	1
N-Nitrosodiphenylamine	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/13/11 21:08	1
Pentachlorophenol	<780		780	130	ug/Kg	☼	07/11/11 16:33	07/13/11 21:08	1
Phenanthrene	590		38	7.6	ug/Kg	☼	07/11/11 16:33	07/13/11 21:08	1
Phenol	<190		190	41	ug/Kg	☼	07/11/11 16:33	07/13/11 21:08	1
Pyrene	500		38	13	ug/Kg	☼	07/11/11 16:33	07/13/11 21:08	1
1,2-Dichlorobenzene	<190		190	21	ug/Kg	☼	07/11/11 16:33	07/13/11 21:08	1
1,2,4-Trichlorobenzene	<190		190	24	ug/Kg	☼	07/11/11 16:33	07/13/11 21:08	1
3 & 4 Methylphenol	<190		190	39	ug/Kg	☼	07/11/11 16:33	07/13/11 21:08	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	82		27 - 113	07/11/11 16:33	07/13/11 21:08	1
2-Fluorophenol	74		30 - 110	07/11/11 16:33	07/13/11 21:08	1
Nitrobenzene-d5	79		22 - 110	07/11/11 16:33	07/13/11 21:08	1
Phenol-d5	74		26 - 112	07/11/11 16:33	07/13/11 21:08	1
2,4,6-Tribromophenol	97		30 - 137	07/11/11 16:33	07/13/11 21:08	1
Terphenyl-d14	88		33 - 129	07/11/11 16:33	07/13/11 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	4.7	ug/Kg	☼	07/11/11 18:34	07/13/11 13:58	1
PCB-1221	<19		19	7.3	ug/Kg	☼	07/11/11 18:34	07/13/11 13:58	1
PCB-1232	<19		19	6.8	ug/Kg	☼	07/11/11 18:34	07/13/11 13:58	1
PCB-1242	<19		19	5.9	ug/Kg	☼	07/11/11 18:34	07/13/11 13:58	1
PCB-1248	<19		19	6.6	ug/Kg	☼	07/11/11 18:34	07/13/11 13:58	1
PCB-1254	<19		19	6.1	ug/Kg	☼	07/11/11 18:34	07/13/11 13:58	1
PCB-1260	<19		19	6.3	ug/Kg	☼	07/11/11 18:34	07/13/11 13:58	1
Polychlorinated biphenyls, Total	<19		19	4.7	ug/Kg	☼	07/11/11 18:34	07/13/11 13:58	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	65		28 - 124	07/11/11 18:34	07/13/11 13:58	1
DCB Decachlorobiphenyl	83		38 - 130	07/11/11 18:34	07/13/11 13:58	1

Method: 6010B - PPL+Ba Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 20:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		07/14/11 10:30	07/14/11 20:44	1
Barium	0.29	J	0.50	0.010	mg/L		07/14/11 10:30	07/14/11 20:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		07/14/11 10:30	07/14/11 20:44	1
Chromium	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 20:44	1
Copper	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 20:44	1
Lead	<0.0075		0.0075	0.0050	mg/L		07/14/11 10:30	07/14/11 20:44	1
Nickel	<0.025		0.025	0.010	mg/L		07/14/11 10:30	07/14/11 20:44	1
Selenium	<0.050		0.050	0.010	mg/L		07/14/11 10:30	07/14/11 20:44	1
Silver	<0.025		0.025	0.0050	mg/L		07/14/11 10:30	07/14/11 20:44	1
Zinc	0.020	J	0.10	0.020	mg/L		07/14/11 10:30	07/14/11 20:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.33	J	1.1	0.13	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Arsenic	5.6	V	0.55	0.077	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Client Sample ID: E1259B12 (8-10)

Lab Sample ID: 500-36265-1

Date Collected: 07/06/11 09:45

Matrix: Solid

Date Received: 07/06/11 15:00

Percent Solids: 84.6

Method: 6010B - Total Metals (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.60	V	0.22	0.011	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Cadmium	0.30		0.11	0.015	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Chromium	19	V	0.55	0.047	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Copper	25		0.55	0.077	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Lead	11	V	0.28	0.13	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Nickel	25	B V	0.55	0.036	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Selenium	<0.55		0.55	0.15	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Silver	<0.28		0.28	0.035	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Thallium	0.19	J	0.55	0.19	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Zinc	43	B V	1.1	0.088	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1
Barium	38		0.55	0.031	mg/Kg	☼	07/07/11 08:50	07/13/11 06:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060	0.0030	mg/L		07/14/11 10:30	07/19/11 12:49	1
Thallium	<0.0020		0.0020	0.0020	mg/L		07/14/11 10:30	07/19/11 12:49	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		07/15/11 07:15	07/15/11 11:05	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041	B	0.017	0.0017	mg/Kg	☼	07/13/11 08:25	07/13/11 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.31		0.200	0.200	SU			07/14/11 12:54	1



Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
F	Duplicate RPD exceeds the control limit
F	MS or MSD exceeds the 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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-36265-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Dean Tribit
 Contact: E.C.
 Company: 33 W. Milwaukee St. Suite 510
 Address: Chicago, IL 60603
 Address: 312.578.9243
 Phone: 312.578.9245
 Fax: dtichen@pc.edu
 F. Mail: enr-col

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference#

Chain of Custody Record
 Lab Job #: 500-36265
 Chain of Custody Number: EE6-12-07
 Page 1 of 2
 Temperature °C of Cooler: (3.4) (3.8)

Lab ID	Sample ID	Date	Time	Preservative	Parameter	Matrix		Total PCBs	Total Priority	TCLP PD Metals	PH & % Solids	Waste Disposal	PAHs	Total RCRA Met	TCLP RCRA Met	Comments
						# of Containers	Mark									
1	E1259B12(8-10)	7/6/11	0945	2 S	VOCs	2	S	X	X	X	X			X		
2	E1259B09(4-6)	7/6/11	1035	3 S	VOCs	3	S	X	X	X	X			X		
3	E1259B09(8-10)	7/6/11	1040	2 S	VOCs	2	S	X	X	X	X			X		
4	E1259G09	7/6/11	1100	6 W	VOCs	6	W	X	X	X	X			X		
5	E127B02	7/6/11	1100	2 W	VOCs	2	W	X	X	X	X			X		
6	E1227B12(6-8)	7/6/11	1210	2 S	VOCs	2	S	X	X	X	X			X		
7	E1227B12(4-16)	7/6/11	1215	2 S	VOCs	2	S	X	X	X	X			X		

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

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

Reinforced By: [Signature] Date: 7/6/11 Time: 1500
 Company: EVE

Received By: [Signature] Date: 7-6-11 Time: 1300
 Company: TAL

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____
 Lab Comments: _____

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Report To: Devin Tibbalt
 Contact: EIE
 Company: 33 W. Monroe Suite 650
 Address: Chicago IL 60603
 Address: 312.578.9243
 Phone: 312.578.9345
 Fax: E-Mail: dtibbalt@ene.com

Report To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____

Chain of Custody Record
 Lab Job #: 500-36265
 Chain of Custody Number: EEG-12-08
 Page: 2 of 2
 Temperature °C of Cooler: _____

Lab ID	MS/MSD	Sample ID	Date	Time	Matrix # & Containers	Preservative	Parameters					Comments
							VOCs	PCBs	S/VOCs	Total Priority	RP Priority	
8		E1227B11CH-6	7/6/11	1250	2 S		X	X	X	X	X	
9		E1227B11UG-18	7/6/11	1300	2 S		X	X	X	X	X	
10		E1227B10CO-2	7/6/11	1355	2 S		X	X	X	X	X	
11		E1227B10R2-14	7/6/11	1405	2 S		X	X	X	X	X	
12		E1227B09Q-4	7/6/11	1440	2 S		X	X	X	X	X	
13		E1227B09Q-12	7/6/11	1455	2 S		X	X	X	X	X	

Client: Ecology Environment
 Client Project #: 333.VI2.01
 Project Name: Irving Park Rd (IL19)
 Lab Project #: 5672
 Project Location/State: DuPage County, IL
 Sampler: San Shipton
 Lab PM: Dick Wright

Client Project # _____
 Lab Project # _____
 Project Location/State _____
 Sampler _____
 Lab PM _____

Client: _____
 Client Project #: _____
 Project Name: _____
 Lab Project #: _____
 Project Location/State: _____
 Sampler: _____
 Lab PM: _____

Client Project # _____
 Lab Project # _____
 Project Location/State _____
 Sampler _____
 Lab PM _____

Client Project # _____
 Lab Project # _____
 Project Location/State _____
 Sampler _____
 Lab PM _____

Client Project # _____
 Lab Project # _____
 Project Location/State _____
 Sampler _____
 Lab PM _____

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

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

Retinquired By: [Signature] Date: 7/6/11 Company: EIE
 Retinquired By: [Signature] Date: 7/6/11 Company: EIE
 Retinquired By: _____ Date: _____ Company: _____

Received By: [Signature] Date: 7-6-11 Time: 1500
 Received By: [Signature] Date: _____ Time: _____
 Received By: _____ Date: _____ Time: _____

Lab Counter: TA
 Shipped: _____
 Hand Delivered: _____

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

Client Comments: _____
 Lab Comments: _____



Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

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 345/FAU 2678 (IL 19) Office Phone Number, if available: _____

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

207 E. Irving Park Road

City: Bensenville State: IL Zip Code: 60106

County: DuPage Township: Addison

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

Latitude: 41.96077 Longitude: -87.93616
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS Map Interpolation Photo Interpolation Survey Other

IEPA Site Number(s), if assigned: BOL: 043414547 BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: Illinois Department of Transportation

Name: _____

Street Address: 201 West Center Court

Street Address: _____

PO Box: _____

PO Box: _____

City: Schaumburg State: IL

City: _____ State: _____

Zip Code: 60196-1096 Phone: 847-705-4159

Zip Code: _____ Phone: _____

Contact: Sam Mead

Contact: _____

Email, if available: Sam.Mead@illinois.gov

Email, if available: _____

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

Project Name: FAP 345/FAU 2678 (IL 19)

Latitude: 41.96077 Longitude: -87.93616

Uncontaminated Site 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 E1259B10 and E1259B11 were sampled within the construction zone adjacent to ISGS #1583V-59: Vacant Lots. Refer to PSI Report for ISGS #1583V-59: Vacant Lots including Table 4-5, and Figure 4-2A.

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

See attached data summary table and associated laboratory data package J35809.

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

I, Steven Gobelman (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: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman

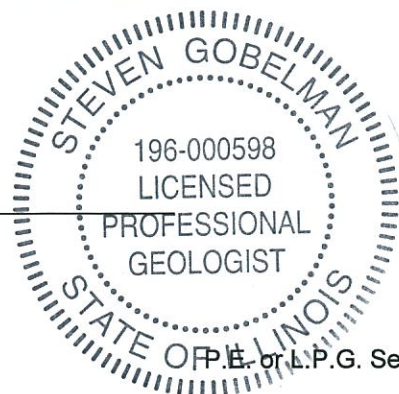
Printed Name:



Licensed Professional Engineer or
Licensed Professional Geologist Signature:

2/13/15

Date:





Analytical Data Summary
PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05

Key to Data Tables

- MAC = Maximum Allowable Concentration of Chemical Constituent in
Uncontaminated Soil Used as Fill Material At Regulated Fill Operations
- mg/kg = Milligrams per kilogram.
- mg/L = Milligrams per liter.
- MSA = Metropolitan Statistical Area
- TACO = Tiered Approach to Corrective Action Objectives
- TCLP = Toxicity Characteristic Leaching Procedure.
- SCGIER = Soil Component of the Groundwater Ingestion Exposure Route
- SPLP = Synthetic Precipitation Leaching Procedure.
- ND = Not detected.
- NA = Not analyzed.
- J = Estimated value.
- B = Also present in blank.
- U = Analyte was analyzed for but not detected.
- V = Serial Dilution exceeds the control limits

Criteria Qualifiers and Shading

- † = Concentration exceeds the most stringent MAC.
- m = Concentration exceeds the MAC for an MSA.
- L = The detected TCLP/SPLP concentration exceeds the TACO Tier 1 RO for the
SCGIER (Class I groundwater).
-  = Concentration exceeds the most Stringent MAC, but is below the MAC for an MSA.
-  = Soil concentration exceeds one or more applicable comparison criteria.

PTB #172-27; Work Order 15 - IDOT Job # P-91-224-05
CONTAMINANTS OF CONCERN

SITE	ISGS #1583V-59 (Vacant Lots)				Comparison Criteria			
	E1259B10		E1259B11		MACs		TACO	
	E1259B10 (2-4)	E1259B10 (6-8)	E1259B11 (0-2)	E1259B11 (4-6)	Most Stringent	Within an MSA	Within Chicago	SCGIER
BORING								
SAMPLE	E1259B10 (2-4)	E1259B10 (6-8)	E1259B11 (0-2)	E1259B11 (4-6)				
MATRIX	Soil	Soil	Soil	Soil				
DEPTH (m)	0.6-1.2	1.8-2.4	0.0-0.6	1.2-1.8				
pH	7.84	8.35	6.95	7.51				
VOCs (µg/kg)								
Acetone	24	6.4	40	13	25,000	--	--	--
Methyl Ethyl Ketone	3.0 J	ND U	11	ND U	17,000	--	--	--
SVOCS (µg/kg)								
Acenaphthylene	ND U	ND U	13 J	ND U	85,000	--	--	--
Anthracene	ND U	ND U	15 J	ND U	12,000,000	--	--	--
Benzo[a]anthracene	16 J	ND U	84	ND U	900	1,800	1,100	--
Benzo[a]pyrene	ND U	ND U	77	ND U	90	2,100	1,300	--
Benzo[b]fluoranthene	15 J	ND U	93	ND U	900	2,100	1,500	--
Benzo[g,h,i]perylene	ND U	ND U	47	ND U	2,300,000	--	--	--
Benzo[k]fluoranthene	ND U	ND U	72	ND U	9,000	--	--	--
Carbazole	NA	NA	NA	NA	600	--	--	--
Chrysene	ND U	ND U	110	13 J	88,000	--	--	--
Dibenzo(a,h)anthracene	ND U	ND U	18 J	ND U	90	420	200	--
Fluoranthene	27 J	ND U	220	17 J	3,100,000	--	--	--
Indeno[1,2,3-cd]pyrene	ND U	ND U	58	ND U	900	1,600	900	--
Naphthalene	ND U	ND U	49	ND U	1,800	--	--	--
Phenanthrene	28 J	ND U	140	ND U	210,000	--	--	--
Pyrene	30 J	ND U	160	21 J	2,300,000	--	--	--
Inorganics (mg/kg)								
Arsenic	8.4	9.3	6.7	6.1	11.3	13	--	--
Barium	88 B	44 B	110 B V	57 B	1,500	--	--	--
Cadmium	0.37	0.64	0.59	0.32	5.2	--	--	--
Chromium	24 B †	19 B	20 B V	26 B †	21	--	--	--
Lead	13	12	19 V	12	107	--	--	--
Mercury	0.036	0.020	0.038	0.030	0.89	--	--	--
Selenium	ND U	ND U	0.52 J	ND U	1.3	--	--	--
TCLP Metals (mg/L)								
Barium	0.68	0.68	0.44 J	0.20 J	--	--	--	2
Cadmium	0.0031 J	0.0032 J	ND U	ND U	--	--	--	0.005
Lead	0.0094 L	0.0092 L	0.0051 J	ND U	--	--	--	0.0075

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 500-35809-1
Client Project/Site: IDOT - Irving Park Road

For:
Ecology and Environment, Inc.
33 West Monroe St.
Suite 550
Chicago, Illinois 60603

Attn: Mr. Dean Tiebout

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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.

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Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Job ID: 500-35809-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-35809-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 117485 exceeded control limits for the following analytes: cis and trans-1,3-Dichloropropene and Toluene. The laboratory control sample (LCS) was within limits.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: E1259B08 (4-6) (500-35809-11), E1259B08 (6-8) (500-35809-13), E1259B08D (4-6) (500-35809-12). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: Two matrix spike duplicate (MSD) recoveries for batch 117754 were outside control limits, biased low. All RPD's were < 30%. The associated laboratory control sample (LCS) recovery met acceptance criteria. No further action was required. E1259B11 (0-2) (500-35809-1)

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8082: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the data may be reported if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: AR1260.E1259B01 (4-6) (500-35809-9), E1259B08 (6-8) (500-35809-13), E1259B10 (2-4) (500-35809-3)

Method(s) 8081A: The grand mean exception, as outlined in EPA Method 8000B, was applied to continuing calibration verification (CCV) standards. This rule states that when one or more compounds in the CCV fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %D (the grand mean) of all the compounds in the CCV is less than or equal to 15 %D. The following compounds are affected: Chlordane and Methoxychlor.

Method(s) 8081A: The laboratory control sample (LCS) for preparation batch 118110 exceeded control limits for the following analyte: Methoxychlor. E1259B01 (4-6) (500-35809-9), E1259B08 (6-8) (500-35809-13), E1259B10 (2-4) (500-35809-3) The affected sample was a non detect for this analyte, and the data has been reported.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The serial dilution performed for the following sample, 500-35809-1, was outside control limits for Ba, Cr, and Pb.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for sample 500-35809-1 were outside control limits for Se. The MSD was also out for Pb. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Method Summary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Method	Method Description	Protocol	Laboratory
8260B	VOC	SW846	TAL CHI
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8260B	TCLP Volatiles	SW846	TAL CHI
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270C	TCLP Semivolatiles	SW846	TAL CHI
8081A	TCLP Pesticides	SW846	TAL CHI
8082	PCBs	SW846	TAL CHI
8151	TCLP Herbicides	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7470A	Mercury	SW846	TAL CHI
7471A	Mercury	SW846	TAL CHI
7.3.4	Reactive Sulfide	EPA	TAL CHI
9014	Reactive Cyanide	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SW846 Ch. 7	Ignitability	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 = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B11 (0-2)

Lab Sample ID: 500-35809-1

Date Collected: 06/23/11 09:35

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 72.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<6.2		6.2	1.0	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Vinyl chloride	<6.2		6.2	0.87	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Bromomethane	<6.2		6.2	1.3	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Chloroethane	<6.2		6.2	1.3	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
1,1-Dichloroethene	<6.2		6.2	0.98	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Carbon disulfide	<6.2		6.2	0.88	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Acetone	40		6.2	3.0	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
trans-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Methyl tert-butyl ether	<6.2		6.2	0.93	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
cis-1,2-Dichloroethene	<6.2		6.2	0.91	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Methyl Ethyl Ketone	11		6.2	1.3	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Chloroform	<6.2		6.2	1.1	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
1,1,1-Trichloroethane	<6.2		6.2	1.2	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Carbon tetrachloride	<6.2		6.2	1.4	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Benzene	<6.2		6.2	0.67	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
1,2-Dichloroethane	<6.2		6.2	0.63	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
1,2-Dichloropropane	<6.2		6.2	1.4	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Bromodichloromethane	<6.2		6.2	0.94	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
cis-1,3-Dichloropropene	<6.2	*	6.2	0.71	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
methyl isobutyl ketone	<6.2		6.2	1.1	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Toluene	<6.2	*	6.2	1.2	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
trans-1,3-Dichloropropene	<6.2	*	6.2	1.4	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
1,1,2-Trichloroethane	<6.2		6.2	0.83	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Tetrachloroethene	<6.2		6.2	1.2	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
2-Hexanone	<6.2		6.2	0.88	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Dibromochloromethane	<6.2		6.2	0.86	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Chlorobenzene	<6.2		6.2	0.98	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Ethylbenzene	<6.2		6.2	0.93	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Styrene	<6.2		6.2	0.78	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Bromoform	<6.2		6.2	1.0	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	0.84	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
Xylenes, Total	<12		12	0.87	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1
1,3-Dichloropropene, Total	<6.2		6.2	0.71	ug/Kg	*	06/23/11 09:35	06/27/11 17:31	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		69 - 120	06/23/11 09:35	06/27/11 17:31	1
Toluene-d8 (Surr)	95		69 - 122	06/23/11 09:35	06/27/11 17:31	1
4-Bromofluorobenzene (Surr)	97		67 - 120	06/23/11 09:35	06/27/11 17:31	1
Dibromofluoromethane	101		69 - 120	06/23/11 09:35	06/27/11 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	49		44	8.1	ug/Kg	*	06/27/11 07:04	07/05/11 18:30	1
Acenaphthylene	13	J	44	6.9	ug/Kg	*	06/27/11 07:04	07/05/11 18:30	1
Acenaphthene	<44		44	9.3	ug/Kg	*	06/27/11 07:04	07/05/11 18:30	1
Fluorene	<44		44	8.5	ug/Kg	*	06/27/11 07:04	07/05/11 18:30	1
Phenanthrene	140		44	8.7	ug/Kg	*	06/27/11 07:04	07/05/11 18:30	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B11 (0-2)

Lab Sample ID: 500-35809-1

Date Collected: 06/23/11 09:35

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 72.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	15	J	44	8.1	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Fluoranthene	220		44	8.3	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Pyrene	160		44	15	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Benzo[a]anthracene	84		44	9.6	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Chrysene	110		44	14	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Benzo[b]fluoranthene	93		44	9.2	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Benzo[k]fluoranthene	72		44	10	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Benzo[a]pyrene	77		44	8.5	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Indeno[1,2,3-cd]pyrene	58		44	11	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Dibenz(a,h)anthracene	18	J	44	11	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Benzo[g,h,i]perylene	47		44	11	ug/Kg	☼	06/27/11 07:04	07/05/11 18:30	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	52		22 - 110				06/27/11 07:04	07/05/11 18:30	1
2-Fluorobiphenyl	60		27 - 113				06/27/11 07:04	07/05/11 18:30	1
Terphenyl-d14	85		33 - 129				06/27/11 07:04	07/05/11 18:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.7		0.65	0.091	mg/Kg	☼	06/27/11 10:15	06/28/11 15:49	1
Barium	110	B V	0.65	0.037	mg/Kg	☼	06/27/11 10:15	06/28/11 15:49	1
Cadmium	0.59		0.13	0.018	mg/Kg	☼	06/27/11 10:15	06/28/11 15:49	1
Chromium	20	B V	0.65	0.055	mg/Kg	☼	06/27/11 10:15	06/28/11 15:49	1
Lead	19	V	0.33	0.16	mg/Kg	☼	06/27/11 10:15	06/28/11 15:49	1
Selenium	0.52	J	0.65	0.18	mg/Kg	☼	06/27/11 10:15	06/28/11 15:49	1
Silver	<0.33		0.33	0.041	mg/Kg	☼	06/27/11 10:15	06/28/11 15:49	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		06/29/11 08:00	06/29/11 16:22	1
Barium	0.44	J	0.50	0.010	mg/L		06/29/11 08:00	06/29/11 16:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 16:22	1
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 16:22	1
Lead	0.0051	J	0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 16:22	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 16:22	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 16:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 13:33	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.022	0.0022	mg/Kg	☼	06/27/11 08:40	06/27/11 13:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.95		0.200	0.200	SU			06/29/11 12:48	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B11 (4-6)

Lab Sample ID: 500-35809-2

Date Collected: 06/23/11 09:40

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 79.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.7		4.7	0.78	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Vinyl chloride	<4.7		4.7	0.66	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Bromomethane	<4.7		4.7	1.0	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Chloroethane	<4.7		4.7	0.99	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
1,1-Dichloroethene	<4.7		4.7	0.75	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Carbon disulfide	<4.7		4.7	0.67	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Acetone	13		4.7	2.3	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Methylene Chloride	<4.7		4.7	1.3	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
trans-1,2-Dichloroethene	<4.7		4.7	0.67	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Methyl tert-butyl ether	<4.7		4.7	0.71	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
1,1-Dichloroethane	<4.7		4.7	0.75	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
cis-1,2-Dichloroethene	<4.7		4.7	0.69	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Methyl Ethyl Ketone	<4.7		4.7	1.0	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Chloroform	<4.7		4.7	0.87	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
1,1,1-Trichloroethane	<4.7		4.7	0.91	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Carbon tetrachloride	<4.7		4.7	1.0	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Benzene	<4.7		4.7	0.51	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
1,2-Dichloroethane	<4.7		4.7	0.48	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Trichloroethene	<4.7		4.7	0.77	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
1,2-Dichloropropane	<4.7		4.7	1.1	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Bromodichloromethane	<4.7		4.7	0.72	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
cis-1,3-Dichloropropene	<4.7	*	4.7	0.54	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
methyl isobutyl ketone	<4.7		4.7	0.81	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Toluene	<4.7	*	4.7	0.92	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
trans-1,3-Dichloropropene	<4.7	*	4.7	1.1	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
1,1,2-Trichloroethane	<4.7		4.7	0.63	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Tetrachloroethene	<4.7		4.7	0.90	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
2-Hexanone	<4.7		4.7	0.67	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Dibromochloromethane	<4.7		4.7	0.65	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Chlorobenzene	<4.7		4.7	0.75	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Ethylbenzene	<4.7		4.7	0.71	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Styrene	<4.7		4.7	0.60	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Bromoform	<4.7		4.7	0.77	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
1,1,2,2-Tetrachloroethane	<4.7		4.7	0.64	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
Xylenes, Total	<9.5		9.5	0.66	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1
1,3-Dichloropropene, Total	<4.7		4.7	0.54	ug/Kg	☼	06/23/11 09:40	06/27/11 17:56	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		69 - 120	06/23/11 09:40	06/27/11 17:56	1
Toluene-d8 (Surr)	92		69 - 122	06/23/11 09:40	06/27/11 17:56	1
4-Bromofluorobenzene (Surr)	95		67 - 120	06/23/11 09:40	06/27/11 17:56	1
Dibromofluoromethane	104		69 - 120	06/23/11 09:40	06/27/11 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<39		39	7.1	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Acenaphthylene	<39		39	6.1	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Acenaphthene	<39		39	8.2	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Fluorene	<39		39	7.5	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Phenanthrene	<39		39	7.7	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B11 (4-6)

Lab Sample ID: 500-35809-2

Date Collected: 06/23/11 09:40

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<39		39	7.2	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Fluoranthene	17	J	39	7.3	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Pyrene	21	J	39	14	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Benzo[a]anthracene	<39		39	8.4	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Chrysene	13	J	39	13	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Benzo[b]fluoranthene	<39		39	8.1	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Benzo[k]fluoranthene	<39		39	9.2	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Dibenz[a,h]anthracene	<39		39	9.9	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Benzo[g,h,i]perylene	<39		39	9.6	ug/Kg	☼	06/27/11 07:04	07/05/11 19:34	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	58		22 - 110				06/27/11 07:04	07/05/11 19:34	1
2-Fluorobiphenyl	75		27 - 113				06/27/11 07:04	07/05/11 19:34	1
Terphenyl-d14	94		33 - 129				06/27/11 07:04	07/05/11 19:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.1		0.60	0.085	mg/Kg	☼	06/27/11 10:15	06/28/11 16:35	1
Barium	57	B	0.60	0.034	mg/Kg	☼	06/27/11 10:15	06/28/11 16:35	1
Cadmium	0.32		0.12	0.016	mg/Kg	☼	06/27/11 10:15	06/28/11 16:35	1
Chromium	26	B	0.60	0.051	mg/Kg	☼	06/27/11 10:15	06/28/11 16:35	1
Lead	12		0.30	0.15	mg/Kg	☼	06/27/11 10:15	06/28/11 16:35	1
Selenium	<0.60		0.60	0.17	mg/Kg	☼	06/27/11 10:15	06/28/11 16:35	1
Silver	<0.30		0.30	0.038	mg/Kg	☼	06/27/11 10:15	06/28/11 16:35	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		06/29/11 08:00	06/29/11 16:28	1
Barium	0.20	J	0.50	0.010	mg/L		06/29/11 08:00	06/29/11 16:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 16:28	1
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 16:28	1
Lead	<0.0075		0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 16:28	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 16:28	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 16:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 13:41	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.020	0.0020	mg/Kg	☼	06/27/11 08:40	06/27/11 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.51		0.200	0.200	SU			06/29/11 12:51	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B10 (2-4)

Lab Sample ID: 500-35809-3

Date Collected: 06/23/11 10:05

Matrix: Solid

Date Received: 06/24/11 06:30

Method: 8260B - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020	0.010	mg/L			07/05/11 22:23	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			07/05/11 22:23	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			07/05/11 22:23	20
Chloroform	<0.020		0.020	0.010	mg/L			07/05/11 22:23	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			07/05/11 22:23	20
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			07/05/11 22:23	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			07/05/11 22:23	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			07/05/11 22:23	20
Trichloroethene	<0.020		0.020	0.010	mg/L			07/05/11 22:23	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			07/05/11 22:23	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 124					07/05/11 22:23	20
Toluene-d8 (Surr)	98		80 - 121					07/05/11 22:23	20
4-Bromofluorobenzene (Surr)	99		77 - 112					07/05/11 22:23	20
Dibromofluoromethane	100		78 - 119					07/05/11 22:23	20

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.9		4.9	0.81	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Vinyl chloride	<4.9		4.9	0.69	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Bromomethane	<4.9		4.9	1.1	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Chloroethane	<4.9		4.9	1.0	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
1,1-Dichloroethene	<4.9		4.9	0.78	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Carbon disulfide	<4.9		4.9	0.70	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Acetone	24		4.9	2.4	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Methylene Chloride	<4.9		4.9	1.4	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
trans-1,2-Dichloroethene	<4.9		4.9	0.70	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Methyl tert-butyl ether	<4.9		4.9	0.74	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
1,1-Dichloroethane	<4.9		4.9	0.78	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
cis-1,2-Dichloroethene	<4.9		4.9	0.72	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Methyl Ethyl Ketone	3.0	J	4.9	1.1	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Chloroform	<4.9		4.9	0.90	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
1,1,1-Trichloroethane	<4.9		4.9	0.94	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Carbon tetrachloride	<4.9		4.9	1.1	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Benzene	<4.9		4.9	0.53	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
1,2-Dichloroethane	<4.9		4.9	0.50	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Trichloroethene	<4.9		4.9	0.80	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
1,2-Dichloropropane	<4.9		4.9	1.1	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Bromodichloromethane	<4.9		4.9	0.75	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
cis-1,3-Dichloropropene	<4.9	*	4.9	0.56	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
methyl isobutyl ketone	<4.9		4.9	0.83	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Toluene	<4.9	*	4.9	0.95	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
trans-1,3-Dichloropropene	<4.9	*	4.9	1.1	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
1,1,2-Trichloroethane	<4.9		4.9	0.66	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Tetrachloroethene	<4.9		4.9	0.93	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
2-Hexanone	<4.9		4.9	0.70	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Dibromochloromethane	<4.9		4.9	0.68	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Chlorobenzene	<4.9		4.9	0.78	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1
Ethylbenzene	<4.9		4.9	0.74	ug/Kg	*	06/23/11 10:05	06/27/11 18:21	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B10 (2-4)

Lab Sample ID: 500-35809-3

Date Collected: 06/23/11 10:05

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 80.0

Method: 8260B - VOC (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<4.9		4.9	0.62	ug/Kg	☼	06/23/11 10:05	06/27/11 18:21	1
Bromoform	<4.9		4.9	0.80	ug/Kg	☼	06/23/11 10:05	06/27/11 18:21	1
1,1,2,2-Tetrachloroethane	<4.9		4.9	0.67	ug/Kg	☼	06/23/11 10:05	06/27/11 18:21	1
Xylenes, Total	<9.8		9.8	0.69	ug/Kg	☼	06/23/11 10:05	06/27/11 18:21	1
1,3-Dichloropropene, Total	<4.9		4.9	0.56	ug/Kg	☼	06/23/11 10:05	06/27/11 18:21	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		69 - 120	06/23/11 10:05	06/27/11 18:21	1
Toluene-d8 (Surr)	95		69 - 122	06/23/11 10:05	06/27/11 18:21	1
4-Bromofluorobenzene (Surr)	96		67 - 120	06/23/11 10:05	06/27/11 18:21	1
Dibromofluoromethane	100		69 - 120	06/23/11 10:05	06/27/11 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<41		41	7.5	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Acenaphthylene	<41		41	6.4	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Acenaphthene	<41		41	8.7	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Fluorene	<41		41	7.9	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Phenanthrene	28	J	41	8.1	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Anthracene	<41		41	7.6	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Fluoranthene	27	J	41	7.7	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Pyrene	30	J	41	14	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Benzo[a]anthracene	16	J	41	8.9	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Chrysene	<41		41	13	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Benzo[b]fluoranthene	15	J	41	8.6	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Benzo[k]fluoranthene	<41		41	9.7	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Benzo[a]pyrene	<41		41	8.0	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Indeno[1,2,3-cd]pyrene	<41		41	11	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Dibenz(a,h)anthracene	<41		41	10	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1
Benzo[g,h,i]perylene	<41		41	10	ug/Kg	☼	06/27/11 07:04	07/05/11 19:55	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	44		22 - 110	06/27/11 07:04	07/05/11 19:55	1
2-Fluorobiphenyl	52		27 - 113	06/27/11 07:04	07/05/11 19:55	1
Terphenyl-d14	105		33 - 129	06/27/11 07:04	07/05/11 19:55	1

Method: 8270C - TCLP Semivolatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cresol, o-	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:09	1
1,4-Dichlorobenzene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:09	1
2,4-Dinitrotoluene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:09	1
Hexachlorobenzene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:09	1
Hexachloro-1,3-butadiene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:09	1
Hexachloroethane	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:09	1
Nitrobenzene	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:09	1
Pentachlorophenol	<0.50		0.50	0.25	mg/L		06/29/11 10:50	07/01/11 14:09	1
Pyridine	<0.20		0.20	0.10	mg/L		06/29/11 10:50	07/01/11 14:09	1
2,4,5-Trichlorophenol	<0.50		0.50	0.25	mg/L		06/29/11 10:50	07/01/11 14:09	1
2,4,6-Trichlorophenol	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:09	1
3 & 4 Methylphenol	<0.10		0.10	0.050	mg/L		06/29/11 10:50	07/01/11 14:09	1

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B10 (2-4)

Lab Sample ID: 500-35809-3

Date Collected: 06/23/11 10:05

Matrix: Solid

Date Received: 06/24/11 06:30

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	43		20 - 100	06/29/11 10:50	07/01/11 14:09	1
Phenol-d5	29		20 - 100	06/29/11 10:50	07/01/11 14:09	1
Nitrobenzene-d5	80		39 - 110	06/29/11 10:50	07/01/11 14:09	1
2-Fluorobiphenyl	70		44 - 110	06/29/11 10:50	07/01/11 14:09	1
2,4,6-Tribromophenol	89		46 - 126	06/29/11 10:50	07/01/11 14:09	1
Terphenyl-d14	94		52 - 131	06/29/11 10:50	07/01/11 14:09	1

Method: 8081A - TCLP Pesticides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	<0.010		0.010	0.0050	mg/L		06/29/11 19:25	06/30/11 16:46	1
Endrin	<0.0050		0.0050	0.0025	mg/L		06/29/11 19:25	06/30/11 16:46	1
Heptachlor	<0.0050		0.0050	0.0025	mg/L		06/29/11 19:25	06/30/11 16:46	1
Heptachlor epoxide	<0.0050		0.0050	0.0025	mg/L		06/29/11 19:25	06/30/11 16:46	1
gamma-BHC (Lindane)	<0.0050		0.0050	0.0025	mg/L		06/29/11 19:25	06/30/11 16:46	1
Methoxychlor	<0.010 *		0.010	0.0050	mg/L		06/29/11 19:25	06/30/11 16:46	1
Toxaphene	<0.050		0.050	0.025	mg/L		06/29/11 19:25	06/30/11 16:46	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		36 - 126	06/29/11 19:25	06/30/11 16:46	1
Tetrachloro-m-xylene	62		42 - 120	06/29/11 19:25	06/30/11 16:46	1

Method: 8082 - PCBs

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<21		21	4.9	ug/Kg	☼	06/24/11 19:19	06/28/11 13:38	1
PCB-1221	<21		21	7.8	ug/Kg	☼	06/24/11 19:19	06/28/11 13:38	1
PCB-1232	<21		21	7.1	ug/Kg	☼	06/24/11 19:19	06/28/11 13:38	1
PCB-1242	<21		21	6.3	ug/Kg	☼	06/24/11 19:19	06/28/11 13:38	1
PCB-1248	<21		21	7.0	ug/Kg	☼	06/24/11 19:19	06/28/11 13:38	1
PCB-1254	<21		21	6.4	ug/Kg	☼	06/24/11 19:19	06/28/11 13:38	1
PCB-1260	<21		21	6.6	ug/Kg	☼	06/24/11 19:19	06/28/11 13:38	1
Polychlorinated biphenyls, Total	<21		21	4.9	ug/Kg	☼	06/24/11 19:19	06/28/11 13:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	65		28 - 124	06/24/11 19:19	06/28/11 13:38	1
DCB Decachlorobiphenyl	81		38 - 130	06/24/11 19:19	06/28/11 13:38	1

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.10		0.10	0.050	mg/L		06/30/11 09:50	07/01/11 05:07	1
Silvex (2,4,5-TP)	<0.050		0.050	0.025	mg/L		06/30/11 09:50	07/01/11 05:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA	84		30 - 110	06/30/11 09:50	07/01/11 05:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.4		0.61	0.085	mg/Kg	☼	06/27/11 10:15	06/28/11 16:41	1
Barium	88 B		0.61	0.034	mg/Kg	☼	06/27/11 10:15	06/28/11 16:41	1
Cadmium	0.37		0.12	0.016	mg/Kg	☼	06/27/11 10:15	06/28/11 16:41	1
Chromium	24 B		0.61	0.052	mg/Kg	☼	06/27/11 10:15	06/28/11 16:41	1
Lead	13		0.30	0.15	mg/Kg	☼	06/27/11 10:15	06/28/11 16:41	1
Selenium	<0.61		0.61	0.17	mg/Kg	☼	06/27/11 10:15	06/28/11 16:41	1

Client Sample Results

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B10 (2-4)

Lab Sample ID: 500-35809-3

Date Collected: 06/23/11 10:05

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.30		0.30	0.038	mg/Kg	☼	06/27/11 10:15	06/28/11 16:41	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		06/29/11 08:00	06/29/11 16:34	1
Barium	0.68		0.50	0.010	mg/L		06/29/11 08:00	06/29/11 16:34	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 16:34	1
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 16:34	1
Lead	0.0094		0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 16:34	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 16:34	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 16:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 13:43	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.019	0.0020	mg/Kg	☼	06/27/11 08:40	06/27/11 13:18	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176				Degrees F			06/30/11 13:01	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<50		50	5.8	mg/Kg		06/30/11 10:20	06/30/11 15:52	1
Cyanide, Reactive	<0.25		0.25	0.063	mg/Kg		06/28/11 10:35	06/28/11 15:18	1
pH	7.84		0.200	0.200	SU			06/29/11 12:53	1
Paint Filter	pass				mL/100g			06/30/11 17:50	1



Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B10 (6-8)

Lab Sample ID: 500-35809-4

Date Collected: 06/23/11 10:10

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 84.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	<4.8		4.8	0.79	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Vinyl chloride	<4.8		4.8	0.67	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Bromomethane	<4.8		4.8	1.0	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Chloroethane	<4.8		4.8	1.0	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
1,1-Dichloroethene	<4.8		4.8	0.76	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Carbon disulfide	<4.8		4.8	0.68	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Acetone	6.4		4.8	2.3	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Methylene Chloride	<4.8		4.8	1.3	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
trans-1,2-Dichloroethene	<4.8		4.8	0.68	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Methyl tert-butyl ether	<4.8		4.8	0.72	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
1,1-Dichloroethane	<4.8		4.8	0.76	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
cis-1,2-Dichloroethene	<4.8		4.8	0.70	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Methyl Ethyl Ketone	<4.8		4.8	1.0	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Chloroform	<4.8		4.8	0.88	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
1,1,1-Trichloroethane	<4.8		4.8	0.92	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Carbon tetrachloride	<4.8		4.8	1.0	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Benzene	<4.8		4.8	0.52	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
1,2-Dichloroethane	<4.8		4.8	0.49	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Trichloroethene	<4.8		4.8	0.78	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
1,2-Dichloropropane	<4.8		4.8	1.1	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Bromodichloromethane	<4.8		4.8	0.73	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
cis-1,3-Dichloropropene	<4.8	*	4.8	0.55	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
methyl isobutyl ketone	<4.8		4.8	0.82	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Toluene	<4.8	*	4.8	0.93	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
trans-1,3-Dichloropropene	<4.8	*	4.8	1.1	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
1,1,2-Trichloroethane	<4.8		4.8	0.64	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Tetrachloroethene	<4.8		4.8	0.91	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
2-Hexanone	<4.8		4.8	0.68	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Dibromochloromethane	<4.8		4.8	0.66	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Chlorobenzene	<4.8		4.8	0.76	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Ethylbenzene	<4.8		4.8	0.72	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Styrene	<4.8		4.8	0.60	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Bromoform	<4.8		4.8	0.78	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
1,1,2,2-Tetrachloroethane	<4.8		4.8	0.65	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
Xylenes, Total	<9.6		9.6	0.67	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1
1,3-Dichloropropene, Total	<4.8		4.8	0.55	ug/Kg	☼	06/23/11 10:10	06/27/11 18:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		69 - 120	06/23/11 10:10	06/27/11 18:45	1
Toluene-d8 (Surr)	93		69 - 122	06/23/11 10:10	06/27/11 18:45	1
4-Bromofluorobenzene (Surr)	95		67 - 120	06/23/11 10:10	06/27/11 18:45	1
Dibromofluoromethane	102		69 - 120	06/23/11 10:10	06/27/11 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<38		38	6.9	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Acenaphthylene	<38		38	5.9	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Acenaphthene	<38		38	8.0	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Fluorene	<38		38	7.3	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Phenanthrene	<38		38	7.5	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1

TestAmerica Chicago

Client Sample Results

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Client Sample ID: E1259B10 (6-8)

Lab Sample ID: 500-35809-4

Date Collected: 06/23/11 10:10

Matrix: Solid

Date Received: 06/24/11 06:30

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	<38		38	7.0	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Pyrene	<38		38	13	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Benzo[a]anthracene	<38		38	8.2	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Chrysene	<38		38	12	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Benzo[b]fluoranthene	<38		38	7.9	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Benzo[k]fluoranthene	<38		38	9.0	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Indeno[1,2,3-cd]pyrene	<38		38	9.7	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Dibenz(a,h)anthracene	<38		38	9.7	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1
Benzo[g,h,i]perylene	<38		38	9.3	ug/Kg	☼	06/27/11 07:04	07/05/11 20:17	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		22 - 110	06/27/11 07:04	07/05/11 20:17	1
2-Fluorobiphenyl	55		27 - 113	06/27/11 07:04	07/05/11 20:17	1
Terphenyl-d14	72		33 - 129	06/27/11 07:04	07/05/11 20:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.3		0.59	0.083	mg/Kg	☼	06/27/11 10:15	06/28/11 16:47	1
Barium	44	B	0.59	0.033	mg/Kg	☼	06/27/11 10:15	06/28/11 16:47	1
Cadmium	0.64		0.12	0.016	mg/Kg	☼	06/27/11 10:15	06/28/11 16:47	1
Chromium	19	B	0.59	0.050	mg/Kg	☼	06/27/11 10:15	06/28/11 16:47	1
Lead	12		0.30	0.14	mg/Kg	☼	06/27/11 10:15	06/28/11 16:47	1
Selenium	<0.59		0.59	0.17	mg/Kg	☼	06/27/11 10:15	06/28/11 16:47	1
Silver	<0.30		0.30	0.037	mg/Kg	☼	06/27/11 10:15	06/28/11 16:47	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		06/29/11 08:00	06/29/11 16:41	1
Barium	0.68		0.50	0.010	mg/L		06/29/11 08:00	06/29/11 16:41	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		06/29/11 08:00	06/29/11 16:41	1
Chromium	<0.025		0.025	0.010	mg/L		06/29/11 08:00	06/29/11 16:41	1
Lead	0.0092		0.0075	0.0050	mg/L		06/29/11 08:00	06/29/11 16:41	1
Selenium	<0.050		0.050	0.010	mg/L		06/29/11 08:00	06/29/11 16:41	1
Silver	<0.025		0.025	0.0050	mg/L		06/29/11 08:00	06/29/11 16:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0020		0.0020	0.00020	mg/L		06/29/11 08:25	06/29/11 13:45	1

Method: 7471A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.017	0.0018	mg/Kg	☼	06/27/11 08:40	06/27/11 13:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.35		0.200	0.200	SU			06/29/11 12:55	1

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control 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
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	A negative instrument reading had an absolute value greater than the reporting limit
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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

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

Certification Summary

Client: Ecology and Environment, Inc.
 Project/Site: IDOT - Irving Park Road

TestAmerica Job ID: 500-35809-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Chain of Custody Record

Lab Job #: **500-35809**
 Chain of Custody Number: **EE6-12-01**
 Page **1** of **1**
 Temperature °C of Cooler: **(3.4) (3.2)**

Report To: **Dean Tebant**
 Contact: **E-C**
 Company: **33 Williams St, Apt 550**
 Address: **Chicago, IL 60613**
 Address: **312.576.9245**
 Phone: **312.576.9345**
 Fax: **312.576.9345**
 E-Mail: **debant@ene.com**

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 POC/Reference# _____

Lab ID	MSMS	Sample ID	Date	Time	Sampling	Matrix	# Containers	Preservative	Parameter	VOC	PAH	Total PCEA	Methyl	TCEP PCEA Methyl	PTH/90 Sol. D	Wink Dispersal	RTEX + MTRC	Comments
1		E1259B11 (02)	6-23-11	0955	2 S	2 S				X	X	X	X	X	X			
2		E1259B11 (46)	6-23-11	0910	2 S	2 S				X	X	X	X	X	X			
3		E1259B10 (2-4)	6-23-11	1005	3 S	3 S				X	X	X	X	X	X			
4		E1259B10 (6-8)	6-23-11	1010	2 S	2 S				X	X	X	X	X	X			
5		E1259G10	6-23-11	1030	6 W	6 W				X	X	X	X	X	X			
6		E1259G10 D	6-23-11	1030	6 W	6 W				X	X	X	X	X	X			
7		E127B01	6-23-11	-	2 W	2 W				X	X	X	X	X	X			
8		E1259G107	6-23-11	1200	3 W	3 W				X	X	X	X	X	X			
9		E1259B01 (4-6)	6-23-11	1420	3 S	3 S				X	X	X	X	X	X			
10		E1259B01 (18-20)	6-23-11	1425	2 S	2 S				X	X	X	X	X	X			

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

Requested Due Date: _____

Reinforced By: **SA** Company: **E-C** Date: **6-27-11** Time: **1410**

Reinforced By: **SA** Company: **E-C** Date: **6-27-11** Time: **1520**

Reinforced By: **SA** Company: **E-C** Date: **6-27-11** Time: **1520**

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

Lab Courier: **TA** Shipped: _____ Hand Delivered: _____

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

Client Comments: _____

Lab Comments: _____

Report To: Dean Tick-out
 Contact: E-E
 Company: 33W HUNTER ST. 1st Fl. STA
 Address: Chicago IL 60605
 Address: 312.576.9243
 Phone: 312.576.9345
 Fax: 312.576.9345
 E-Mail: dtickout@me.com

Bill To: _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO# / Reference# _____

Chain of Custody Record
 Lab Job #: 500-35809
 Chain of Custody Number: EEG-12-02
 Page 1 of 1
 Temperature °C of Cooler: _____

Lab ID	MSMSD	Sample ID	Date	Time	Sampling	Preservative	Parameter	# of Containers	Matrix	PAH	BTEX+MTBE	Total PCH	Temp ppm	Meth	PT/% solids	Wash Deposit	Comments
11		E1259308 (4-6)	6-23-11	1125				2	S	X	X	X	X	X	X		
12		E1259308 (4-6)	6-23-11	1127				2	S	X	X	X	X	X	X		
13		E1259308 (6-8)	6-23-11	1130				3	S	X	X	X	X	X	X		
14		E1259307 (6-2)	6-23-11	1150				2	S	X	X	X	X	X	X		
15		E1259307 (6-8)	6-23-11	1155				2	S	X	X	X	X	X	X		
16		E1259407	6-23-11	1200				2	W	X	X	X	X	X	X		
17		E1259303 (6-2)	6-23-11	1235				2	S	X	X	X	X	X	X		
18		E1259303 (4-6)	6-23-11	1240				2	S	X	X	X	X	X	X		
19		E1259302 (4-6)	6-23-11	1305				2	S	X	X	X	X	X	X		
		E1259302 (6-8)	6-23-11	1310				2	S	X	X	X	X	X	X		

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

Requested Due Date _____

Sample Disposal: Disposal by Lab Return to Client

Archives for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Received By: [Signature] Date: 6/23/11 Time: 1120
 Company: E-E

Received By: [Signature] Date: 6/23/11 Time: 1520
 Company: FA

Received By: [Signature] Date: 6/24/11 Time: 0630
 Company: FA

Lab Courier: TA
 Shipped: _____
 Hand Delivered: _____

Client Comments: _____

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

Login Sample Receipt Checklist

Client: Ecology and Environment, Inc.

Job Number: 500-35809-1

Login Number: 35809

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.4,3.2
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	