

**STAT** Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 14, 2013

Weaver Boos  
35 E. Wacker Drive, Suite 1250  
Chicago, IL 60602  
Telephone: (312) 922-1030  
Fax: (312) 922-0201

RE: 3199-301-22-01, Blue Island Sediment Sampling

STAT Project No 13030157

Dear Peter Cambouris:

STAT Analysis received 8 samples for the referenced project on 3/7/2013 6:45:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Kurt Clarkson

Senior Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

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**Client:** Weaver Boos  
**Project:** 3199-301-22-01, Blue Island Sediment Sampling  
**Lab Order:** 13030157

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**Work Order Sample Summary**

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<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
13030157-001A	SS-1/0-3"		3/7/2013 12:40:00 PM	3/7/2013
13030157-001B	SS-1/0-3"		3/7/2013 12:40:00 PM	3/7/2013
13030157-002A	SS-1/3-6"		3/7/2013 12:50:00 PM	3/7/2013
13030157-002B	SS-1/3-6"		3/7/2013 12:50:00 PM	3/7/2013
13030157-003A	SS-2/0-6"		3/7/2013 1:20:00 PM	3/7/2013
13030157-003B	SS-2/0-6"		3/7/2013 1:20:00 PM	3/7/2013
13030157-004A	SS-2/6-12"		3/7/2013 1:30:00 PM	3/7/2013
13030157-004B	SS-2/6-12"		3/7/2013 1:30:00 PM	3/7/2013
13030157-005A	SS-3/0-6"		3/7/2013 2:10:00 PM	3/7/2013
13030157-005B	SS-3/0-6"		3/7/2013 2:10:00 PM	3/7/2013
13030157-006A	SS-3/6-12"		3/7/2013 2:20:00 PM	3/7/2013
13030157-006B	SS-3/6-12"		3/7/2013 2:20:00 PM	3/7/2013
13030157-007A	SS-4/0-6"		3/7/2013 2:40:00 PM	3/7/2013
13030157-007B	SS-4/0-6"		3/7/2013 2:40:00 PM	3/7/2013
13030157-008A	SS-4/6-12"		3/7/2013 2:50:00 PM	3/7/2013
13030157-008B	SS-4/6-12"		3/7/2013 2:50:00 PM	3/7/2013

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**CLIENT:** Weaver Boos  
**Project:** 3199-301-22-01, Blue Island Sediment Samplin  
**Lab Order:** 13030157

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**CASE NARRATIVE**

The metals Matrix Spike/Matrix Spike Duplicate (MS/MSD) prepared from sample (SS-2/0-6" )13030157-003 had the following outside control limits:

Barium: 44%/49% (MS/MSD) recovery (QC limits 75-125%)

Lead: 139% (MSD) recovery (QC limits 75-125%)

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Date Reported: March 14, 2013

Date Printed: March 14, 2013

<b>Client:</b>	Weaver Boos	<b>Client Sample ID:</b>	SS-1/0-3"
<b>Lab Order:</b>	13030157	<b>Collection Date</b>	3/7/2013 12:40:00 PM
<b>Project:</b>	3199-301-22-01, Blue Island Sediment Sampling	<b>Matrix:</b>	Soil
<b>Lab ID:</b>	13030157-001		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>	<b>SW8082 (SW3550B)</b>				Prep Date: <b>3/11/2013</b>	Analyst: <b>IP</b>
Aroclor 1016	ND	0.12		mg/Kg-dry	1	3/11/2013
Aroclor 1221	ND	0.12		mg/Kg-dry	1	3/11/2013
Aroclor 1232	ND	0.12		mg/Kg-dry	1	3/11/2013
Aroclor 1242	ND	0.12		mg/Kg-dry	1	3/11/2013
Aroclor 1248	ND	0.12		mg/Kg-dry	1	3/11/2013
Aroclor 1254	ND	0.12		mg/Kg-dry	1	3/11/2013
Aroclor 1260	ND	0.12		mg/Kg-dry	1	3/11/2013
<b>Mercury</b>	<b>SW7471A</b>				Prep Date: <b>3/11/2013</b>	Analyst: <b>LB</b>
Mercury	ND	0.025		mg/Kg-dry	1	3/11/2013
<b>Metals by ICP/MS</b>	<b>SW6020 (SW3050B)</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>JG</b>
Arsenic	14	1.7		mg/Kg-dry	10	3/8/2013
Barium	37	1.7		mg/Kg-dry	10	3/8/2013
Cadmium	ND	0.85		mg/Kg-dry	10	3/8/2013
Chromium	18	1.7		mg/Kg-dry	10	3/8/2013
Lead	16	0.85		mg/Kg-dry	10	3/8/2013
Selenium	ND	1.7		mg/Kg-dry	10	3/8/2013
Silver	ND	1.7		mg/Kg-dry	10	3/8/2013
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: <b>3/11/2013</b>	Analyst: <b>DM</b>
Acenaphthene	0.13	0.051		mg/Kg-dry	1	3/12/2013
Acenaphthylene	0.056	0.051		mg/Kg-dry	1	3/12/2013
Anthracene	0.42	0.051		mg/Kg-dry	1	3/12/2013
Benz(a)anthracene	1.2	0.051		mg/Kg-dry	1	3/12/2013
Benzo(a)pyrene	1.1	0.051		mg/Kg-dry	1	3/12/2013
Benzo(b)fluoranthene	1.3	0.051		mg/Kg-dry	1	3/12/2013
Benzo(g,h,i)perylene	0.87	0.051		mg/Kg-dry	1	3/12/2013
Benzo(k)fluoranthene	1.1	0.051		mg/Kg-dry	1	3/12/2013
Chrysene	1.6	0.051		mg/Kg-dry	1	3/12/2013
Dibenz(a,h)anthracene	0.4	0.051		mg/Kg-dry	1	3/12/2013
Fluoranthene	3.3	0.051		mg/Kg-dry	1	3/12/2013
Fluorene	0.18	0.051		mg/Kg-dry	1	3/12/2013
Indeno(1,2,3-cd)pyrene	0.78	0.051		mg/Kg-dry	1	3/12/2013
Naphthalene	ND	0.051		mg/Kg-dry	1	3/12/2013
Phenanthrene	1.9	0.051		mg/Kg-dry	1	3/12/2013
Pyrene	2.5	0.051		mg/Kg-dry	1	3/12/2013
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>ART</b>
Benzene	ND	0.0066		mg/Kg-dry	1	3/14/2013

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported: March 14, 2013

Date Printed: March 14, 2013

Client: Weaver Boos

Lab Order: 13030157

Project: 3199-301-22-01, Blue Island Sediment Sampling

Lab ID: 13030157-001

Client Sample ID: SS-1/0-3"

Collection Date 3/7/2013 12:40:00 PM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>ART</b>
Toluene	ND	0.0066		mg/Kg-dry	1	3/14/2013
Ethylbenzene	ND	0.0066		mg/Kg-dry	1	3/14/2013
Xylenes, Total	ND	0.02		mg/Kg-dry	1	3/14/2013
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>PBG</b>
pH	7.5			pH Units	1	3/8/2013
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: <b>3/7/2013</b>	Analyst: <b>RW</b>
Percent Moisture	36.0	0.2	*	wt%	1	3/8/2013

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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Date Reported: March 14, 2013

Date Printed: March 14, 2013

<b>Client:</b>	Weaver Boos	<b>Client Sample ID:</b>	SS-2/0-6"
<b>Lab Order:</b>	13030157	<b>Collection Date</b>	3/7/2013 1:20:00 PM
<b>Project:</b>	3199-301-22-01, Blue Island Sediment Sampling	<b>Matrix:</b>	Soil
<b>Lab ID:</b>	13030157-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>						
	<b>SW8082 (SW3550B)</b>			Prep Date: <b>3/11/2013</b>		Analyst: <b>IP</b>
Aroclor 1016	ND	0.1		mg/Kg-dry	1	3/11/2013
Aroclor 1221	ND	0.1		mg/Kg-dry	1	3/11/2013
Aroclor 1232	ND	0.1		mg/Kg-dry	1	3/11/2013
Aroclor 1242	ND	0.1		mg/Kg-dry	1	3/11/2013
Aroclor 1248	ND	0.1		mg/Kg-dry	1	3/11/2013
Aroclor 1254	ND	0.1		mg/Kg-dry	1	3/11/2013
Aroclor 1260	ND	0.1		mg/Kg-dry	1	3/11/2013
<b>Total Petroleum Hydrocarbons</b>						
	<b>SW8015M (SW3580A)</b>			Prep Date: <b>3/12/2013</b>		Analyst: <b>IP</b>
TPH (GRO)	ND	23		mg/Kg-dry	1	3/12/2013
TPH (DRO)	35	23		mg/Kg-dry	1	3/12/2013
TPH (ERO)	170	23	*	mg/Kg-dry	1	3/12/2013
<b>Mercury</b>						
	<b>SW7471A</b>			Prep Date: <b>3/11/2013</b>		Analyst: <b>LB</b>
Mercury	0.057	0.023		mg/Kg-dry	1	3/11/2013
<b>Metals by ICP/MS</b>						
	<b>SW6020 (SW3050B)</b>			Prep Date: <b>3/8/2013</b>		Analyst: <b>JG</b>
Arsenic	6.6	1.4		mg/Kg-dry	10	3/11/2013
Barium	67	1.4		mg/Kg-dry	10	3/11/2013
Cadmium	ND	0.68		mg/Kg-dry	10	3/11/2013
Chromium	12	1.4		mg/Kg-dry	10	3/11/2013
Lead	81	0.68		mg/Kg-dry	10	3/11/2013
Selenium	ND	1.4		mg/Kg-dry	10	3/11/2013
Silver	ND	1.4		mg/Kg-dry	10	3/11/2013
<b>Semivolatile Organic Compounds by GC/MS</b>						
	<b>SW8270C (SW3550B)</b>			Prep Date: <b>3/11/2013</b>		Analyst: <b>DM</b>
Acenaphthene	0.5	0.41		mg/Kg-dry	1	3/12/2013
Acenaphthylene	ND	0.41		mg/Kg-dry	1	3/12/2013
Anthracene	1.7	0.41		mg/Kg-dry	1	3/12/2013
Benz(a)anthracene	4.1	0.41		mg/Kg-dry	1	3/12/2013
Benzo(a)pyrene	3.8	0.41		mg/Kg-dry	1	3/12/2013
Benzo(b)fluoranthene	4	0.41		mg/Kg-dry	1	3/12/2013
Benzo(g,h,i)perylene	2.4	0.41		mg/Kg-dry	1	3/12/2013
Benzo(k)fluoranthene	2.8	0.41		mg/Kg-dry	1	3/12/2013
Chrysene	4.3	0.41		mg/Kg-dry	1	3/12/2013
Dibenz(a,h)anthracene	1.3	0.41		mg/Kg-dry	1	3/12/2013
Fluoranthene	9	0.41		mg/Kg-dry	1	3/12/2013
Fluorene	0.65	0.41		mg/Kg-dry	1	3/12/2013
Indeno(1,2,3-cd)pyrene	2.3	0.41		mg/Kg-dry	1	3/12/2013
Naphthalene	ND	0.41		mg/Kg-dry	1	3/12/2013

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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Date Reported: March 14, 2013

Date Printed: March 14, 2013

<b>Client:</b>	Weaver Boos	<b>Client Sample ID:</b>	SS-2/0-6"
<b>Lab Order:</b>	13030157	<b>Collection Date</b>	3/7/2013 1:20:00 PM
<b>Project:</b>	3199-301-22-01, Blue Island Sediment Sampling	<b>Matrix:</b>	Soil
<b>Lab ID:</b>	13030157-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>		Prep Date: <b>3/11/2013</b>		Analyst: <b>DM</b>	
Phenanthrene	5.1	0.41		mg/Kg-dry	1	3/12/2013
Pyrene	7.3	0.41		mg/Kg-dry	1	3/12/2013
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>		Prep Date: <b>3/8/2013</b>		Analyst: <b>ART</b>	
Benzene	ND	0.0063		mg/Kg-dry	1	3/14/2013
Toluene	ND	0.0063		mg/Kg-dry	1	3/14/2013
Ethylbenzene	ND	0.0063		mg/Kg-dry	1	3/14/2013
Xylenes, Total	ND	0.019		mg/Kg-dry	1	3/14/2013
<b>pH (25 °C)</b>	<b>SW9045C</b>		Prep Date: <b>3/8/2013</b>		Analyst: <b>PBG</b>	
pH	8.2			pH Units	1	3/8/2013
<b>Percent Moisture</b>	<b>D2974</b>		Prep Date: <b>3/7/2013</b>		Analyst: <b>RW</b>	
Percent Moisture	21.3	0.2	*	wt%	1	3/8/2013

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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Date Reported: March 14, 2013

Date Printed: March 14, 2013

Client: Weaver Boos

Client Sample ID: SS-3/0-6"

Lab Order: 13030157

Collection Date 3/7/2013 2:10:00 PM

Project: 3199-301-22-01, Blue Island Sediment Sampling

Matrix: Soil

Lab ID: 13030157-005

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>	<b>SW8082 (SW3550B)</b>			Prep Date: <b>3/11/2013</b>		Analyst: <b>IP</b>
Aroclor 1016	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1221	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1232	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1242	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1248	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1254	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1260	ND	0.11		mg/Kg-dry	1	3/12/2013
<b>Total Petroleum Hydrocarbons</b>	<b>SW8015M (SW3580A)</b>			Prep Date: <b>3/12/2013</b>		Analyst: <b>IP</b>
TPH (GRO)	ND	27		mg/Kg-dry	1	3/12/2013
TPH (DRO)	33	27		mg/Kg-dry	1	3/12/2013
TPH (ERO)	160	27	*	mg/Kg-dry	1	3/12/2013
<b>Mercury</b>	<b>SW7471A</b>			Prep Date: <b>3/11/2013</b>		Analyst: <b>LB</b>
Mercury	ND	0.023		mg/Kg-dry	1	3/11/2013
<b>Metals by ICP/MS</b>	<b>SW6020 (SW3050B)</b>			Prep Date: <b>3/8/2013</b>		Analyst: <b>JG</b>
Arsenic	6.4	1.3		mg/Kg-dry	10	3/8/2013
Barium	34	1.3		mg/Kg-dry	10	3/8/2013
Cadmium	ND	0.63		mg/Kg-dry	10	3/8/2013
Chromium	11	1.3		mg/Kg-dry	10	3/8/2013
Lead	26	0.63		mg/Kg-dry	10	3/8/2013
Selenium	ND	1.3		mg/Kg-dry	10	3/8/2013
Silver	ND	1.3		mg/Kg-dry	10	3/8/2013
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>			Prep Date: <b>3/11/2013</b>		Analyst: <b>DM</b>
Acenaphthene	0.11	0.044		mg/Kg-dry	1	3/12/2013
Acenaphthylene	ND	0.044		mg/Kg-dry	1	3/12/2013
Anthracene	0.26	0.044		mg/Kg-dry	1	3/12/2013
Benz(a)anthracene	0.75	0.044		mg/Kg-dry	1	3/12/2013
Benzo(a)pyrene	0.77	0.044		mg/Kg-dry	1	3/12/2013
Benzo(b)fluoranthene	0.86	0.044		mg/Kg-dry	1	3/12/2013
Benzo(g,h,i)perylene	0.62	0.044		mg/Kg-dry	1	3/12/2013
Benzo(k)fluoranthene	0.68	0.044		mg/Kg-dry	1	3/12/2013
Chrysene	0.95	0.044		mg/Kg-dry	1	3/12/2013
Dibenz(a,h)anthracene	0.27	0.044		mg/Kg-dry	1	3/12/2013
Fluoranthene	2.1	0.044		mg/Kg-dry	1	3/12/2013
Fluorene	0.13	0.044		mg/Kg-dry	1	3/12/2013
Indeno(1,2,3-cd)pyrene	0.54	0.044		mg/Kg-dry	1	3/12/2013
Naphthalene	ND	0.044		mg/Kg-dry	1	3/12/2013

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis

**Qualifiers:**

J - Analyte detected below quantitation limits

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R - RPD outside accepted recovery limits

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<b>Client:</b>	Weaver Boos	<b>Client Sample ID:</b>	SS-3/0-6"
<b>Lab Order:</b>	13030157	<b>Collection Date</b>	3/7/2013 2:10:00 PM
<b>Project:</b>	3199-301-22-01, Blue Island Sediment Sampling	<b>Matrix:</b>	Soil
<b>Lab ID:</b>	13030157-005		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: <b>3/11/2013</b>	Analyst: <b>DM</b>
Phenanthrene	1.1	0.044		mg/Kg-dry	1	3/12/2013
Pyrene	1.6	0.044		mg/Kg-dry	1	3/12/2013
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>ART</b>
Benzene	ND	0.0059		mg/Kg-dry	1	3/14/2013
Toluene	ND	0.0059		mg/Kg-dry	1	3/14/2013
Ethylbenzene	ND	0.0059		mg/Kg-dry	1	3/14/2013
Xylenes, Total	ND	0.018		mg/Kg-dry	1	3/14/2013
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>PBG</b>
pH	7.8			pH Units	1	3/8/2013
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: <b>3/7/2013</b>	Analyst: <b>RW</b>
Percent Moisture	25.6	0.2	*	wt%	1	3/8/2013

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

**STAT Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: March 14, 2013

Date Printed: March 14, 2013

<b>Client:</b>	Weaver Boos	<b>Client Sample ID:</b>	SS-4/0-6"
<b>Lab Order:</b>	13030157	<b>Collection Date</b>	3/7/2013 2:40:00 PM
<b>Project:</b>	3199-301-22-01, Blue Island Sediment Sampling	<b>Matrix:</b>	Soil
<b>Lab ID:</b>	13030157-007		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>PCBs</b>	<b>SW8082 (SW3550B)</b>				Prep Date: <b>3/11/2013</b>	Analyst: <b>IP</b>
Aroclor 1016	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1221	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1232	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1242	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1248	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1254	ND	0.11		mg/Kg-dry	1	3/12/2013
Aroclor 1260	ND	0.11		mg/Kg-dry	1	3/12/2013
<b>Mercury</b>	<b>SW7471A</b>				Prep Date: <b>3/11/2013</b>	Analyst: <b>LB</b>
Mercury	0.027	0.024		mg/Kg-dry	1	3/11/2013
<b>Metals by ICP/MS</b>	<b>SW6020 (SW3050B)</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>JG</b>
Arsenic	6	1.4		mg/Kg-dry	10	3/8/2013
Barium	38	1.4		mg/Kg-dry	10	3/8/2013
Cadmium	ND	0.69		mg/Kg-dry	10	3/8/2013
Chromium	11	1.4		mg/Kg-dry	10	3/8/2013
Lead	33	0.69		mg/Kg-dry	10	3/8/2013
Selenium	ND	1.4		mg/Kg-dry	10	3/8/2013
Silver	ND	1.4		mg/Kg-dry	10	3/8/2013
<b>Semivolatile Organic Compounds by GC/MS</b>	<b>SW8270C (SW3550B)</b>				Prep Date: <b>3/11/2013</b>	Analyst: <b>DM</b>
Acenaphthene	0.17	0.047		mg/Kg-dry	1	3/12/2013
Acenaphthylene	0.052	0.047		mg/Kg-dry	1	3/12/2013
Anthracene	0.23	0.047		mg/Kg-dry	1	3/12/2013
Benz(a)anthracene	0.89	0.047		mg/Kg-dry	1	3/12/2013
Benzo(a)pyrene	0.91	0.047		mg/Kg-dry	1	3/12/2013
Benzo(b)fluoranthene	0.99	0.047		mg/Kg-dry	1	3/12/2013
Benzo(g,h,i)perylene	0.71	0.047		mg/Kg-dry	1	3/12/2013
Benzo(k)fluoranthene	0.81	0.047		mg/Kg-dry	1	3/12/2013
Chrysene	1.1	0.047		mg/Kg-dry	1	3/12/2013
Dibenz(a,h)anthracene	0.32	0.047		mg/Kg-dry	1	3/12/2013
Fluoranthene	2.5	0.047		mg/Kg-dry	1	3/12/2013
Fluorene	0.16	0.047		mg/Kg-dry	1	3/12/2013
Indeno(1,2,3-cd)pyrene	0.61	0.047		mg/Kg-dry	1	3/12/2013
Naphthalene	ND	0.047		mg/Kg-dry	1	3/12/2013
Phenanthrene	0.91	0.047		mg/Kg-dry	1	3/12/2013
Pyrene	2	0.047		mg/Kg-dry	1	3/12/2013
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>ART</b>
Benzene	ND	0.0056		mg/Kg-dry	1	3/14/2013

<b>Qualifiers:</b>	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: March 14, 2013

Date Printed: March 14, 2013

Client: Weaver Boos

Lab Order: 13030157

Project: 3199-301-22-01, Blue Island Sediment Sampling

Lab ID: 13030157-007

Client Sample ID: SS-4/0-6"

Collection Date 3/7/2013 2:40:00 PM

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
<b>BTEX by GC/MS</b>	<b>SW5035/8260B</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>ART</b>
Toluene	ND	0.0056		mg/Kg-dry	1	3/14/2013
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	3/14/2013
Xylenes, Total	ND	0.017		mg/Kg-dry	1	3/14/2013
<b>pH (25 °C)</b>	<b>SW9045C</b>				Prep Date: <b>3/8/2013</b>	Analyst: <b>PBG</b>
pH	7.4			pH Units	1	3/8/2013
<b>Percent Moisture</b>	<b>D2974</b>				Prep Date: <b>3/7/2013</b>	Analyst: <b>RW</b>
Percent Moisture	30.7	0.2	*	wt%	1	3/8/2013

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

\* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

**CHAIN OF CUSTODY RECORD**

Company: WEAVER BOOS CONSULTANTS  
 Project Number: 3199-301-22-01 Client Tracking No.:  
 Project Name: BLUE ISLAND SEDIMENT SAMPLING  
 Project Location: BLUE ISLAND, IL  
 Sampler(s): S. POWELL  
 Report To: PETER CAMPOURIS Phone: 312 922 1030  
STEVEN POWELL Fax: 312 922 0201  
 QC Level: 1 2 3 4 e-mail: spowell@weaverboos.com

P.O. No.:  
 Quote No.:  
 Turn Around: STANDARD  
 Results Needed:

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Remarks	Lab No.:
<u>SPD SS-1 / 0-3"</u>	<u>3-7-13</u>	<u>1240</u>	<u>SO</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>4</u>		<u>001</u>
<u>SS-1 / 3-6"</u>		<u>1250</u>						<u>HOLD</u>	<u>002</u>
<u>SS-2 / 0-6"</u>		<u>1320</u>						<u>HOLD</u>	<u>003</u>
<u>SS-2 / 6-12"</u>		<u>1330</u>						<u>HOLD</u>	<u>004</u>
<u>SS-3 / 0-6"</u>		<u>1410</u>						<u>HOLD</u>	<u>005</u>
<u>SS-3 / 6-12"</u>		<u>1420</u>						<u>HOLD</u>	<u>006</u>
<u>SS-4 / 0-6"</u>		<u>1440</u>						<u>HOLD</u>	<u>007</u>
<u>SS-4 / 6-12"</u>		<u>1450</u>						<u>HOLD</u>	<u>008</u>

REGR METALS  
 PCBs  
 BTEX  
 TPA  
 TPA

Relinquished by: (Signature) \_\_\_\_\_ Date/Time: 3/7/13 1845  
 Received by: (Signature) \_\_\_\_\_ Date/Time: 3-7-13 1945  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Laboratory Work Order No.: 13030157  
 Received on Ice: Yes  No   
 Temperature: 2.2 °C

Preservation Code: A = None B = HNO<sub>3</sub> C = NaOH  
 D = H<sub>2</sub>SO<sub>4</sub> E = HCl F = 5035/EnCore G = Other

Sample Receipt Checklist

Client Name **WEAVER BOOS**

Date and Time Received: **3/7/2013 6:45:00 PM**

Work Order Number **13030157**

Received by: **MAM**

Checklist completed by: *[Signature]* **3-7-13**  
Signature Date

Reviewed by: *[Signature]* **3/8/13**  
Initials Date

Matrix: Carrier name Client Delivered

- Shipping container/cooler in good condition? Yes  No  Not Present
- Custody seals intact on shipping container/cooler? Yes  No  Not Present
- Custody seals intact on sample bottles? Yes  No  Not Present
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels/containers? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container or Temp Blank temperature in compliance? Yes  No  Temperature **2.2 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No
- Water - Samples pH checked? Yes  No  Checked by: \_\_\_\_\_
- Water - Samples properly preserved? Yes  No  pH Adjusted? \_\_\_\_\_

Any No response must be detailed in the comments section below.

-----

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Client / Person contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Response: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_