UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CHICAGO REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

Date: **11/29/2011**

Subject: **Review of Region 5 Data for Blue Island Phenols**

From: **Danielle Kleinmaier**
Region 5 Chicago Regional Laboratory

To: **RCRA, LCD, US EPA Region 5**
77 West Jackson Boulevard
Chicago, IL 60604

The data being transmitted under this cover memo successfully passed CRL's internal data review procedures as documented in our current Quality Management Plan (QMP) and appropriate Standard Operating Procedures (SOPs). Please be aware that CRL does not perform data validation which is based on your data quality objectives. This function must be performed independently of the laboratory generating the data.

Results in this report represent only the samples analyzed.

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at (312) 353-0375 for any comments or questions.

Attached are Results for: Blue Island Phenols

/ /

Data Management Coordinator and Date Received

Date Transmitted: _____/_____/_____

Analyses included in this report:

SVOA Expanded List

TCLP - SVOA by end-over-end rotator extraction

Analysis: SVOA
Matrix: water/soil
Project: Blue Island Phenols
Work Order #: 1109008
Analyst: Danielle Kleinmaier
Analyst Phone Number: 312.353.9771
Date: 11/4/2011

General Information

Six water samples were received for the Toxicity Characteristic Leaching Procedure (TCLP) of Semi-Volatile Organic Analysis (SVOA) compounds and one soil sample was received for SVOA by Accelerated Solvent Extraction (ASE) on September 13th, 2011. All holding times were met.

The samples were received above the allowable preservation temperature of 6°C, but since they arrived at the laboratory within hours of being taken, it was determined that preservation was ultimately unnecessary.

Sample preparation and analysis occurred via the Chicago Regional Laboratory standard operating procedures (CRL SOPs) GEN019 Revision # 2.2 and MS026 Revision # 7.0.

Sample Analysis and Results

Phase separation occurred in the soil sample container (BIP-6, LIMS ID 1109008-06). A representative sub-sample was obtained by separating the solid and liquid fractions, sub-sampling from each individual fraction, and then combining the sub-sampled fractions for extraction. The resulting extract was then concentrated down to 50 mL and analyzed instead of the customary 1 mL since a large amount of phenol was expected. No surrogate or matrix spike recovery was expected for this sample due to the 50 mL final extract volume. Therefore, no field sample data will be qualified based on the surrogate or matrix spike recoveries.

Phase separation also occurred in one of the water sample containers (BIP-7, LIMS ID 1109008-07). The aqueous phase was filtered, as per the TCLP SOP, extracted, and then analyzed, but the oil-like organic phase was simply diluted and analyzed. Since the organic phase was not extracted, no surrogates were spiked into that fraction of the sample. New LIMS IDs were generated for each separated phase. The aqueous phase was reported as LIMS ID 1109008-08 and the organic phase was reported as LIMS ID 1109008-09. Since there were no positive target compound (TC) results in either phase to sum, LIMS ID 1109008-07 does not appear in the report.

Phenol and acetophenone were reported from the soil sample (BIP-6, LIMS ID 1109008-06).

Phenol was detected in water samples BIP-1 (LIMS ID 1109008-01), BIP-3 (LIMS ID 1109008-03), BIP-4 (LIMS ID 1109008-04), BIP-5 (LIMS ID 1109008-05), and BIP-7 (LIMS ID 1109008-08). Acetophenone was detected in water samples BIP-4 (LIMS ID 1109008-04), BIP-5 (LIMS ID 1109008-05), and BIP-7 (LIMS ID 1109008-08 and -09). Phenanthrene and anthracene were also detected in water sample BIP-7 (LIMS ID 1109008-08). Although the mass spectrometer was calibrated for these compounds, none of them could be reported as the CRL has no historical data for non-TCLP SVOA TCs extracted by the end-over-end rotator extraction method.

No TCLP TCs were detected in any of the water samples.

Quality Controls

Instrument Performance Check

The benzidine tailing factor in the last DFTPP injection for the 10/25/11 sequence (6C11102540.D) failed the instrument performance check criteria. The instrument sensitivity for the basic compounds analyzed after said failed tailing factor was demonstrated by a 1 ng/uL calibration standard injection at the end of the sequence. Only 4-chloroaniline and 1,3,5-trinitrobenzene could not be recovered in this injection. Those TCs were not detected in the sample or any of its dilutions. The dilutions of the sample were injected before the failed tailing factor and so the reporting limits (RLs) for 4-chloroaniline and 1,3,5-trinitrobenzene were reported from the 10x dilutions.

The benzidine tailing factor also failed the instrument performance check criteria in the DFTPP injection for the 10/31/11 sequence (6C11103101.D). The instrument sensitivity for the basic TCLP compounds analyzed after said failed tailing factor was demonstrated by the same 1 ng/uL calibration standard injection at the end of the sequence. All basic TCLP compounds were recovered.

Initial Calibration (ICAL)

ASE:

The initial RLs for n-nitrosopyrrolidine, 2,4-dichlorophenol, and 4,6-dinitro-2-methylphenol were raised from 33 ug/kg to 167 ug/kg and the initial RL for 2,4-dinitrophenol was raised from 167 ug/kg to 833 ug/kg in the report for all the field and QC samples. The lower calibration points were eliminated from the ICAL curves.

TCLP:

The initial RL for pentachlorophenol was raised from 0.025 mg/L to 0.125 mg/L in the report for all the field and QC samples. The lower calibration points were eliminated from the ICAL curve.

Continuing Calibration Verification (CCV)

The CCV injections bracketing the injections of all the field and QC samples analyzed on 10/25/11 exceeded the % difference (%D) criteria of ≤ 25% for pentachlorophenol. The CCV injections bracketing the undiluted injections of BIP-6 (LIMS ID 1109008-06) also exceeded the %D criteria for 2,4,6-tribromophenol.

The CCV injections bracketing the injections of the TCLP sample dilutions analyzed on 10/31/11 exceeded the %D criteria for pentachlorophenol.

Results for all of these compounds were flagged as estimated ('J') in the report.

Blank Spike Recovery

ASE:
In both the blank spike and blank spike duplicate of batch B110002, di-n-butylphthalate, benzidine, and 3,3'-dimethylbenzidine appear in the report as unrecovered. The RLs for these three compounds are at the same concentration level as the blank spike QC samples. Di-n-butylphthalate and benzidine were detected in the blank spike samples and have calculated recoveries within their respective control limits (CLs). 3,3'-Dimethylbenzidine was also detected in the blank spike samples, but has calculated recoveries below its published CLs. None of these TCs were detected in the field sample and the negative results for 3,3'-dimethylbenzidine were flagged as estimated ('J') in the report.

TCLP:
In both the blank spike and blank spike duplicate of batch B110004, pentachlorophenol has recoveries above its published CLs. The positive results for this compound were flagged as biased high ('K') in the report.

Surrogate Recovery

ASE:
All of the surrogate recoveries in both blank QC samples (B110002-BLK1 & -BLK2) failed low of the published CLs except for one. All of the results for these two blank samples were flagged as estimated ('J') in the report.

TCLP:
Two acid surrogates failed low of the published CLs in BIP-1 (LIMS ID 1109008-01) and three acid surrogates failed low in BIP-2 (LIMS ID 1109008-02) and in B110004-BLK1. The acid results for these samples were flagged as estimated ('J') in the report.

Three acid surrogates and two base/neutral surrogates failed low of the published CLs in BIP-3 (LIMS ID 1109008-03). All of the results for this sample were flagged as estimated ('J') in the report.

Two base/neutral surrogates were not detected in BIP-7 (LIMS ID 1109008-08). The base/neutral results for this sample were rejected.

All other quality controls not mentioned here passed the SOP criteria.

Signature _____ Date_____

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

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RCRA, LCD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Blue Island Phenols Project Number: [none] Project Manager: Mike Beedle	**Reported:** Nov-29-11 11:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BIP-1	1109008-01	Water	Sep-13-11 09:15	Sep-13-11 15:11
BIP-2	1109008-02	Water	Sep-13-11 09:21	Sep-13-11 15:11
BIP-3	1109008-03	Water	Sep-13-11 09:29	Sep-13-11 15:11
BIP-4	1109008-04	Water	Sep-13-11 10:07	Sep-13-11 15:11
BIP-5	1109008-05	Water	Sep-13-11 10:18	Sep-13-11 15:11
BIP-6	1109008-06	Soil	Sep-13-11 10:28	Sep-13-11 15:11
BIP-7, 9008-07 aqueous phase	1109008-08	Water	Sep-13-11 11:17	Sep-13-11 15:11
BIP-7, 9008-07 oil phase	1109008-09	Soil	Sep-13-11 11:17	Sep-13-11 15:11

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RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-1 (1109008-01) Water Sampled: Sep-13-11 09:15 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.12	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U	J		0.024	"	"	"	"	"
3- &/or 4-Methylphenol	U	J		0.049	"	"	"	"	"
Hexachloroethane	U			0.024	"	"	"	"	"
Nitrobenzene	U			0.024	"	"	"	"	"
Hexachlorobutadiene	U			0.024	"	"	"	"	"
2,4,6-Trichlorophenol	U	J		0.024	"	"	"	"	"
2,4,5-Trichlorophenol	U	J		0.024	"	"	"	"	"
2,4-Dinitrotoluene	U			0.024	"	"	"	"	"
Hexachlorobenzene	U			0.024	"	"	"	"	"
Pentachlorophenol	U	J		0.12	"	"	"	"	"

Surrogate: Pyridine-d5	0.14	*23.6 %*	*20-73.9*	"	"	"
Surrogate: 2-Fluorophenol	0.13	*20.5 %*	*20-76.3*	"	"	"
Surrogate: Phenol-d5	0.096	*15.7 %*	*20-71.2*	"	"	"
Surrogate: Nitrobenzene-d5	0.21	*35.0 %*	*33.7-99.1*	"	"	"
Surrogate: 2-Fluorabiphenyl	0.21	*33.8 %*	*33.9-107*	"	"	"
Surragate: 2,4,6-Tribromophenol	0.23	*37.8 %*	*51.9-125*	"	"	"
Surrogate: Terphenyl-d14	0.52	*85.0 %*	*50-134*	"	"	"

Danielle Kleinmaier, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
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Certificate # L2388 Testing

RCRA, LCD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Blue Island Phenols Project Number: [none] Project Manager: Mike Beedle	**Reported:** Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-2 (1109008-02) Water Sampled: Sep-13-11 09:21 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.12	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U	J		0.025	"	"	"	"	"
3- &/or 4-Methylphenol	U	J		0.049	"	"	"	"	"
Hexachloroethane	U			0.025	"	"	"	"	"
Nitrobenzene	U			0.025	"	"	"	"	"
Hexachlorobutadiene	U			0.025	"	"	"	"	"
2,4,6-Trichlorophenol	U	J		0.025	"	"	"	"	"
2,4,5-Trichlorophenol	U	J		0.025	"	"	"	"	"
2,4-Dinitrotoluene	U			0.025	"	"	"	"	"
Hexachlorobenzene	U			0.025	"	"	"	"	"
Pentachlorophenol	U	J		0.12	"	"	"	"	"

Surrogate: Pyridine-d5	0.14	*23.2 %*	*20-73.9*	"	"	"
Surrogate: 2-Fluorophenol	0.12	*19.4 %*	*20-76.3*	"	"	"
Surrogate: Phenol-d5	0.082	*13.3 %*	*20-71.2*	"	"	"
Surragate: Nitrobenzene-d5	0.21	*33.8 %*	*33.7-99.1*	"	"	"
Surrogate: 2-Fluorobiphenyl	0.20	*32.6 %*	*33.9-107*	"	"	"
Surragate: 2,4,6-Tribromophenol	0.20	*31.6 %*	*51.9-125*	"	"	"
Surrogate: Terphenyl-d14	0.52	*84.4 %*	*50-134*	"	"	"

Danielle Kleinmaier, Chemist

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Chicago Regional Laboratory
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Certificate # L2289 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-3 (1109008-03) Water Sampled: Sep-13-11 09:29 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U	J		0.12	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U	J		0.025	"	"	"	"	"
3- &/or 4-Methylphenol	U	J		0.049	"	"	"	"	"
Hexachloroethane	U	J		0.025	"	"	"	"	"
Nitrobenzene	U	J		0.025	"	"	"	"	"
Hexachlorobutadiene	U	J		0.025	"	"	"	"	"
2,4,6-Trichlorophenol	U	J		0.025	"	"	"	"	"
2,4,5-Trichlorophenol	U	J		0.025	"	"	"	"	"
2,4-Dinitrotoluene	U	J		0.025	"	"	"	"	"
Hexachlorobenzene	U	J		0.025	"	"	"	"	"
Pentachlorophenol	U	J		0.12	"	"	"	"	"

Surrogate: Pyridine-d5	0.15	*23.8 %*	*20-73.9*	"	"	"
Surrogate: 2-Fluorophenol	0.12	*19.0 %*	*20-76.3*	"	"	"
Surrogate: Phenol-d5	0.068	*11.0 %*	*20-71.2*	"	"	"
Surrogate: Nitrobenzene-d5	0.20	*32.0 %*	*33.7-99.1*	"	"	"
Surrogate: 2-Fluorobiphenyl	0.19	*31.3 %*	*33.9-107*	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.24	*38.1 %*	*51.9-125*	"	"	"
Surrogate: Terphenyl-d14	0.53	*85.7 %*	*50-134*	"	"	"

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Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-4 (1109008-04) Water Sampled: Sep-13-11 10:07 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.13	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U			0.026	"	"	"	"	"
3- &/or 4-Methylphenol	U			0.051	"	"	"	"	"
Hexachloroethane	U			0.026	"	"	"	"	"
Nitrobenzene	U			0.026	"	"	"	"	"
Hexachlorobutadiene	U			0.026	"	"	"	"	"
2,4,6-Trichlorophenol	U			0.026	"	"	"	"	"
2,4,5-Trichlorophenol	U			0.026	"	"	"	"	"
2,4-Dinitrotoluene	U			0.026	"	"	"	"	"
Hexachlorobenzene	U			0.026	"	"	"	"	"
Pentachlorophenol	U	J		0.13	"	"	"	"	"

Surrogate: Pyridine-d5	0.020	*3.12 %*	*20-73.9*	"	"	"
Surrogate: 2-Fluorophenol	0.20	*31.4 %*	*20-76.3*	"	"	"
Surrogate: Phenol-d5	0.0	*%*	*20-71.2*	"	"	"
Surrogate: Nitrobenzene-d5	0.28	*43.7 %*	*33.7-99.1*	"	"	"
Surrogate: 2-Fluorobiphenyl	0.29	*45.6 %*	*33.9-107*	"	"	"
Surrogate: 2,4,6-Tribromophenol	0.43	*66.4 %*	*51.9-125*	"	"	"
Surrogate: Terphenyl-d14	0.47	*73.9 %*	*50-134*	"	"	"

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Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-5 (1109008-05) Water Sampled: Sep-13-11 10:18 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			0.13	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U			0.025	"	"	"	"	"
3- &/or 4-Methylphenol	U			0.051	"	"	"	"	"
Hexachloroethane	U			0.025	"	"	"	"	"
Nitrobenzene	U			0.025	"	"	"	"	"
Hexachlorobutadiene	U			0.025	"	"	"	"	"
2,4,6-Trichlorophenol	U			0.025	"	"	"	"	"
2,4,5-Trichlorophenol	U			0.025	"	"	"	"	"
2,4-Dinitrotoluene	U			0.025	"	"	"	"	"
Hexachlorobenzene	U			0.025	"	"	"	"	"
Pentachlorophenol	U	J		0.13	"	"	"	"	"
Surrogate: Pyridine-d5	0.017			*2.68 %*	*20-73.9*	"	"	"	
Surrogate: 2-Fluorophenol	0.19			*30.0 %*	*20-76.3*	"	"	"	
Surrogate: Phenol-d5	0.0			*%*	*20-71.2*	"	"	"	
Surrogate: Nitrobenzene-d5	0.29			*45.4 %*	*33.7-99.1*	"	"	"	
Surrogate: 2-Fluorobiphenyl	0.29			*45.8 %*	*33.9-107*	"	"	"	
Surrogate: 2,4,6-Tribromophenol	0.40			*63.4 %*	*51.9-125*	"	"	"	
Surrogate: Terphenyl-d14	0.48			*76.3 %*	*50-134*	"	"	"	

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Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
N-Nitrosodimethylamine	U			20800	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
Pyridine	U			1.05E5	"	"	"	"	"
2-Picoline	U			1.05E5	"	"	"	"	"
N-Nitrosomethylethylamine	U			1.05E5	"	"	"	"	"
N-Nitrosodiethylamine	U			20800	"	"	"	"	"
Ethyl methanesulfonate	U			20800	"	"	"	"	"
Aniline	U			1.05E5	"	"	"	"	"
Phenol	1.98E7			2.08E5	"	10	"	"	Oct-26-11
Pentachloroethane	U			20800	"	1	"	"	Oct-27-11
Bis(2-chloroethyl)ether	U			20800	"	"	"	"	"
2-Chlorophenol	U			20800	"	"	"	"	"
1,3-Dichlorobenzene	U			1.05E5	"	"	"	"	"
1,4-Dichlorobenzene	U			1.05E5	"	"	"	"	"
1,2-Dichlorobenzene	U			1.05E5	"	"	"	"	"
2-Methylphenol	U			20800	"	"	"	"	"
Bis(2-chloroisopropyl)ether	U			20800	"	"	"	"	"
N-Nitrosopyrrolidine	U			1.05E5	"	"	"	"	"

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BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Acetophenone	**4.76E6**			2.08E5	ug/kg dry	10	B110002	Sep-20-11	Oct-26-11
N-Nitroso-di-n-propylamine	U			20800	"	1	"	"	Oct-27-11
o-Toluidine	U			20800	"	"	"	"	"
3-&/or 4-Methylphenol	U			42200	"	"	"	"	"
Hexachloroethane	U			1.05E5	"	"	"	"	"
Nitrobenzene	U			20800	"	"	"	"	"
N-Nitrosopiperidine	U			20800	"	"	"	"	"
Isophorone	U			20800	"	"	"	"	"
2-Nitrophenol	U			20800	"	"	"	"	"
2,4-Dimethylphenol	U			1.05E5	"	"	"	"	"
Bis(2-chloroethoxy)methane	U			20800	"	"	"	"	"
2,4-Dichlorophenol	U			1.05E5	"	"	"	"	"
1,2,4-Trichlorobenzene	U			1.05E5	"	"	"	"	"
Naphthalene	U			20800	"	"	"	"	"
2,6-Dichlorophenol	U			20800	"	"	"	"	"
4-Chloroaniline	U			1.05E6	"	10	"	"	Oct-26-11
Hexachloropropene	U			20800	"	1	"	"	Oct-27-11

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Hexachlorobutadiene	U			1.05E5	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
N-Nitrosodi-n-butylamine	U			20800	"	"	"	"	"
4-Chloro-3-methylphenol	U			20800	"	"	"	"	"
Safrole	U			20800	"	"	"	"	"
2-Methylnaphthalene	U			20800	"	"	"	"	"
Hexachlorocyclopentadiene	U			1.05E5	"	"	"	"	"
1,2,4,5-Tetrachlorobenzene	U			20800	"	"	"	"	"
2,4,6-Trichlorophenol	U			20800	"	"	"	"	"
2,4,5-Trichlorophenol	U			20800	"	"	"	"	"
Isosafrole	U			20800	"	"	"	"	"
2-Chloronaphthalene	U			20800	"	"	"	"	"
2-Nitroaniline	U			20800	"	"	"	"	"
Dimethylphthalate	U			20800	"	"	"	"	"
1,3-Dinitrobenzene	U			20800	"	"	"	"	"
2,6-Dinitrotoluene	U			20800	"	"	"	"	"
Acenaphthylene	U			20800	"	"	"	"	"

Danielle Kleinmaier, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
3-Nitroaniline	U			1.05E5	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
Acenaphthene	U			20800	"	"	"	"	"
2,4-Dinitrophenol	U			5.25E5	"	"	"	"	"
Pentachlorobenzene	U			20800	"	"	"	"	"
4-Nitrophenol	U			1.05E5	"	"	"	"	"
Dibenzofuran	U			20800	"	"	"	"	"
2,4-Dinitrotoluene	U			20800	"	"	"	"	"
2,3,4,6-Tetrachlorophenol	U			20800	"	"	"	"	"
Diethylphthalate	U			20800	"	"	"	"	"
Fluorene	U			20800	"	"	"	"	"
4-Chlorophenylphenyl ether	U			20800	"	"	"	"	"
5-Nitro-o-toluidine	U			20800	"	"	"	"	"
4-Nitroaniline	U			1.05E5	"	"	"	"	"
4,6-Dinitro-2-methylphenol	U			1.05E5	"	"	"	"	"
Diphenylamine	U			20800	"	"	"	"	"
Azobenzene	U			20800	"	"	"	"	"

Danielle Kleinmaier, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2289 Testing

RCRA, LCD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Blue Island Phenols Project Number: [none] Project Manager: Mike Beedle	**Reported:** Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
1,3,5-Trinitrobenzene	U			1.05E6	ug/kg dry	10	B110002	Sep-20-11	Oct-26-11
Diallate (cis or trans)	U			20800	"	1	"	"	Oct-27-11
Phenacetin	U			20800	"	"	"	"	"
4-Bromophenyl phenyl ether	U			20800	"	"	"	"	"
Hexachlorobenzene	U			20800	"	"	"	"	"
Pentachlorophenol	U	J		1.05E5	"	"	"	"	"
Pentachloronitrobenzene	U			20800	"	"	"	"	"
Pronamide	U			20800	"	"	"	"	"
Phenanthrene	U			20800	"	"	"	"	"
Dinoseb	U			20800	"	"	"	"	"
Anthracene	U			20800	"	"	"	"	"
Carbazole	U			20800	"	"	"	"	"
Di-n-butylphthalate	U			5.25E5	"	"	"	"	"
Isodrin	U			1.05E5	"	"	"	"	"
Fluoranthene	U			20800	"	"	"	"	"
Benzidine	U			5.25E5	"	"	"	"	"

Danielle Kleinmaier, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyrene	U			20800	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
p-Dimethylaminoazobenzene	U			20800	"	"	"	"	"
Chlorobenzilate	U			20800	"	"	"	"	"
3,3'-Dimethylbenzidine	U	J		5.25E5	"	"	"	"	"
Butylbenzylphthalate	U			20800	"	"	"	"	"
2-Acetylaminofluorene	U			20800	"	"	"	"	"
Benzo (a) anthracene	U			20800	"	"	"	"	"
3,3'-Dichlorobenzidine	U			1.05E5	"	"	"	"	"
Chrysene	U			20800	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	U			1.05E5	"	"	"	"	"
Di-n-octylphthalate	U			1.05E5	"	"	"	"	"
Benzo(b)fluoranthene	U			20800	"	"	"	"	"
Benzo(k)fluoranthene	U			20800	"	"	"	"	"
Benzo(a)pyrene	U			20800	"	"	"	"	"
3-Methylcholanthrene	U			20800	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	U			20800	"	"	"	"	"

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Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-6 (1109008-06) Soil Sampled: Sep-13-11 10:28 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Dibenz(a,h)anthracene	U			20800	ug/kg dry	1	B110002	Sep-20-11	Oct-27-11
Benzo(g,h,i)perylene	U			1.05E5	"	"	"	"	"
Surrogate: 2-Fluarophenol	0.00			%	*57.3-118*	"	"	"	
Surrogate: Phenol-d5	0.00			%	*60.3-125*	"	"	"	
Surrogate: Nitrobenzene-d5	0.00			%	*51.4-111*	"	"	"	
Surrogate: 2-Fluarobiphenyl	0.00			%	*55.2-115*	"	"	"	
Surrogate: 2,4,6-Tribromophenal	0.00	J		%	*61.6-122*	"	"	"	
Surrogate: Terphenyl-d14	11100			*106 %*	*68.8-129*	"	"	"	

BIP-7, 9008-07 aqueous phase (1109008-08) Water Sampled: Sep-13-11 11:17 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	Rejected			0.12	mg/L	1	B110004	Sep-23-11	Oct-26-11
2-Methylphenol	U			0.025	"	"	"	"	"
3- &/or 4-Methylphenol	U			0.049	"	"	"	"	"
Hexachloroethane	Rejected			0.025	"	"	"	"	"
Nitrobenzene	Rejected			0.025	"	"	"	"	"
Hexachlorobutadiene	Rejected			0.025	"	"	"	"	"
2,4,6-Trichlorophenol	U			0.025	"	"	"	"	"
2,4,5-Trichlorophenol	U			0.025	"	"	"	"	"

Danielle Kleinmaier, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2288 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-7, 9008-07 aqueous phase (1109008-08) Water Sampled: Sep-13-11 11:17 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2,4-Dinitrotoluene	**Rejected**			0.025	mg/L	1	B110004	Sep-23-11	Oct-26-11
Hexachlorobenzene	**Rejected**			0.025	"	"	"	"	"
Pentachlorophenol	U	J		0.12	"	"	"	"	"
Surrogate: Pyridine-d5	0.0			*%*	*20-73.9*	"	"	"	
Surrogate: 2-Fluorophenol	0.38			*62.4 %*	*20-76.3*	"	"	"	
Surrogate: Phenol-d5	0.0			*%*	*20-71.2*	"	"	"	
Surrogate: Nitrobenzene-d5	0.0			*%*	*33.7-99.1*	"	"	"	
Surrogate: 2-Fluorobiphenyl	0.48			*77.7 %*	*33.9-107*	"	"	"	
Surrogate: 2,4,6-Tribromophenol	0.58			*94.0 %*	*51.9-125*	"	"	"	
Surrogate: Terphenyl-d14	0.57			*92.2 %*	*50-134*	"	"	"	

BIP-7, 9008-07 oil phase (1109008-09) Soil Sampled: Sep-13-11 11:17 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
Pyridine	U			4400	mg/L	1	B110004	Sep-23-11	Oct-31-11
2-Methylphenol	U			880	"	"	"	"	"
3- &/or 4-Methylphenol	U			1800	"	"	"	"	"
Hexachloroethane	U			880	"	"	"	"	"
Nitrobenzene	U			880	"	"	"	"	"
Hexachlorobutadiene	U			880	"	"	"	"	"
2,4,6-Trichlorophenol	U			880	"	"	"	"	"

Danielle Kleinmaier, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified)
US EPA Region 5 Chicago Regional Laboratory

BIP-7, 9008-07 oil phase (1109008-09) Soil Sampled: Sep-13-11 11:17 Received: Sep-13-11 15:11

Analyte	Result	Flags / Qualifiers	MDL	Limit	Units	Dilution	Batch	Prepared	Analyzed
2,4,5-Trichlorophenol	U			880	mg/L	1	B110004	Sep-23-11	Oct-31-11
2,4-Dinitrotoluene	U			880	"	"	"	"	"
Hexachlorobenzene	U			880	"	"	"	"	"
Pentachlorophenol	U	J		4400	"	"	"	"	"
Surrogate: Pyridine-d5	0.0				*20-73.9*		"	"	"
Surrogate: 2-Fluorophenol	0.0				*20-76.3*		"	"	"
Surrogate: Phenol-d5	0.0				*20-71.2*		"	"	"
Surrogate: Nitrobenzene-d5	0.0				*33.7-99.1*		"	"	"
Surrogate: 2-Fluorobiphenyl	0.0				*33.9-107*		"	"	"
Surrogate: 2,4,6-Tribromophenol	0.0				*51.9-125*		"	"	"
Surrogate: Terphenyl-d14	0.0				*50-134*		"	"	"

Danielle Kleinmaier, Chemist

Environmental Protection Agency Region 5
Chicago Regional Laboratory
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ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosodimethylamine	U	J		33.3	ug/kg wet						
Pyridine	U	J		169	"						
2-Picoline	U	J		169	"						
N-Nitrosomethylethylamine	U	J		169	"						
N-Nitrosodiethylamine	U	J		33.3	"						
Ethyl methanesulfonate	U	J		33.3	"						
Aniline	U	J		169	"						
Phenol	U	J		33.3	"						
Pentachloroethane	U	J		33.3	"						
Bis(2-chloroethyl)ether	U	J		33.3	"						
2-Chlorophenol	U	J		33.3	"						
1,3-Dichlorobenzene	U	J		169	"						
1,4-Dichlorobenzene	U	J		169	"						
1,2-Dichlorobenzene	U	J		169	"						
2-Methylphenol	U	J		33.3	"						
Bis(2-chloroisopropyl)ether	U	J		33.3	"						
N-Nitrosopyrrolidine	U	J		169	"						
Acetophenone	U	J		33.3	"						
N-Nitroso-di-n-propylamine	U	J		33.3	"						
o-Toluidine	U	J		33.3	"						
3-&/or 4-Methylphenol	U	J		67.7	"						
Hexachloroethane	U	J		169	"						
Nitrobenzene	U	J		33.3	"						
N-Nitrosopiperidine	U	J		33.3	"						
Isophorone	U	J		33.3	"						
2-Nitrophenol	U	J		33.3	"						
2,4-Dimethylphenol	U	J		169	"						
Bis(2-chloroethoxy)methane	U	J		33.3	"						
2,4-Dichlorophenol	U	J		169	"						
1,2,4-Trichlorobenzene	U	J		169	"						
Naphthalene	U	J		33.3	"						
2,6-Dichlorophenol	U	J		33.3	"						
4-Chloroaniline	U	J		169	"						

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Blue Island Phenols Project Number: [none] Project Manager: Mike Beedle	**Reported:** Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachloropropene	U	J		33.3	ug/kg wet						
Hexachlorobutadiene	U	J		169	"						
N-Nitrosodi-n-butylamine	U	J		33.3	"						
4-Chloro-3-methylphenol	U	J		33.3	"						
Safrole	U	J		33.3	"						
2-Methylnaphthalene	U	J		33.3	"						
Hexachlorocyclopentadiene	U	J		169	"						
1,2,4,5-Tetrachlorobenzene	U	J		33.3	"						
2,4,6-Trichlorophenol	U	J		33.3	"						
2,4,5-Trichlorophenol	U	J		33.3	"						
Isosafrole	U	J		33.3	"						
2-Chloronaphthalene	U	J		33.3	"						
2-Nitroaniline	U	J		33.3	"						
Dimethylphthalate	U	J		33.3	"						
1,3-Dinitrobenzene	U	J		33.3	"						
2,6-Dinitrotoluene	U	J		33.3	"						
Acenaphthylene	U	J		33.3	"						
3-Nitroaniline	U	J		169	"						
Acenaphthene	U	J		33.3	"						
2,4-Dinitrophenol	U	J		841	"						
Pentachlorobenzene	U	J		33.3	"						
4-Nitrophenol	U	J		169	"						
Dibenzofuran	U	J		33.3	"						
2,4-Dinitrotoluene	U	J		33.3	"						
2,3,4,6-Tetrachlorophenol	U	J		33.3	"						
Diethylphthalate	U	J		33.3	"						
Fluorene	U	J		33.3	"						
4-Chlorophenylphenyl ether	U	J		33.3	"						
5-Nitro-o-toluidine	U	J		33.3	"						
4-Nitroaniline	U	J		169	"						
4,6-Dinitro-2-methylphenol	U	J		169	"						
Diphenylamine	U	J		33.3	"						
Azobenzene	U	J		33.3	"						

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

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RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Maoager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	U	J		169	ug/kg wet						
Diallate (cis or trans)	U	J		33.3	"						
Phenacetin	U	J		33.3	"						
4-Bromophenyl phenyl ether	U	J		33.3	"						
Hexachlorobenzene	U	J		33.3	"						
Pentachlorophenol	U	J		169	"						
Pentachloronitrobenzene	U	J		33.3	"						
Pronamide	U	J		33.3	"						
Phenanthrene	U	J		33.3	"						
Dinoseb	U	J		33.3	"						
Anthracene	U	J		33.3	"						
Carbazole	U	J		33.3	"						
Di-n-butylphthalate	U	J		841	"						
Isodrin	U	J		169	"						
Fluoranthene	U	J		33.3	"						
Benzidine	U	J		841	"						
Pyrene	U	J		33.3	"						
p-Dimethylaminoazobenzene	U	J		33.3	"						
Chlorobenzilate	U	J		33.3	"						
3,3'-Dimethylbenzidine	U	J		841	"						
Butylbenzylphthalate	U	J		33.3	"						
2-Acetylaminofluorene	U	J		33.3	"						
Benzo (a) anthracene	U	J		33.3	"						
3,3'-Dichlorobenzidine	U	J		169	"						
Chrysene	U	J		33.3	"						
Bis(2-ethylhexyl)phthalate	U	J		169	"						
Di-n-octylphthalate	U	J		169	"						
Benzo(b)fluoranthene	U	J		33.3	"						
Benzo(k)fluoranthene	U	J		33.3	"						
Benzo(a)pyrene	U	J		33.3	"						
3-Methylcholanthrene	U	J		33.3	"						
Indeno(1,2,3-cd)pyrene	U	J		33.3	"						
Dibenz(a,h)anthracene	U	J		33.3	"						

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	U	J		169	ug/kg wet						
Surragate: 2-Fluorophenol	*325*				"	*841.5*		*38.6*	*57.3-118*		
Surragate: Phenol-d5	*317*				"	*841.5*		*37.7*	*60.3-125*		
Surragate: Nitrobenzene-d5	*366*				"	*841.5*		*43.5*	*51.4-111*		
Surrogate: 2-Fluorobiphenyl	*374*				"	*841.5*		*44.5*	*55.2-115*		
Surragate: 2,4,6-Tribromophenol	*211*				"	*841.5*		*25.0*	*61.6-122*		
Surrogate: Terphenyl-d14	*723*				"	*841.5*		*85.9*	*68.8-129*		

Blank (B110002-BLK2) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosodimethylamine	U	J		33.4	ug/kg wet						
Pyridine	U	J		169	"						
2-Picoline	U	J		169	"						
N-Nitrosomethylethylamine	U	J		169	"						
N-Nitrosodiethylamine	U	J		33.4	"						
Ethyl methanesulfonate	U	J		33.4	"						
Aniline	U	J		169	"						
Phenol	U	J		33.4	"						
Pentachloroethane	U	J		33.4	"						
Bis(2-chloroethyl)ether	U	J		33.4	"						
2-Chlorophenol	U	J		33.4	"						
1,3-Dichlorobenzene	U	J		169	"						
1,4-Dichlorobenzene	U	J		169	"						
1,2-Dichlorobenzene	U	J		169	"						
2-Methylphenol	U	J		33.4	"						
Bis(2-chloroisopropyl)ether	U	J		33.4	"						

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LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK2) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosopyrrolidine	U	J		169	ug/kg wet						
Acetophenone	U	J		33.4	"						
N-Nitroso-di-n-propylamine	U	J		33.4	"						
o-Toluidine	U	J		33.4	"						
3-&/or 4-Methylphenol	U	J		67.9	"						
Hexachlorocthane	U	J		169	"						
Nitrobenzene	U	J		33.4	"						
N-Nitrosopiperidine	U	J		33.4	"						
Isophorone	U	J		33.4	"						
2-Nitrophenol	U	J		33.4	"						
2,4-Dimethylphenol	U	J		169	"						
Bis(2-chloroethoxy)methane	U	J		33.4	"						
2,4-Dichlorophenol	U	J		169	"						
1,2,4-Trichlorobenzene	U	J		169	"						
Naphthalene	U	J		33.4	"						
2,6-Dichlorophenol	U	J		33.4	"						
4-Chloroaniline	U	J		169	"						
Hexachloropropene	U	J		33.4	"						
Hexachlorobutadiene	U	J		169	"						
N-Nitrosodi-n-butylamine	U	J		33.4	"						
4-Chloro-3-methylphenol	U	J		33.4	"						
Safrole	U	J		33.4	"						
2-Methylnaphthalene	U	J		33.4	"						
Hexachlorocyclopentadiene	U	J		169	"						
1,2,4,5-Tetrachlorobenzene	U	J		33.4	"						
2,4,6-Trichlorophenol	U	J		33.4	"						
2,4,5-Trichlorophenol	U	J		33.4	"						
Isosafrole	U	J		33.4	"						
2-Chloronaphthalene	U	J		33.4	"						
2-Nitroaniline	U	J		33.4	"						
Dimethylphthalate	U	J		33.4	"						
1,3-Dinitrobenzene	U	J		33.4	"						
2,6-Dinitrotoluene	U	J		33.4	"						

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Certificate # L2289 Testing

RCRA, LCD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Blue Island Phenols Project Number: [none] Project Manager: Mike Beedle	**Reported:** Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK2) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acenaphthylene	U	J		33.4	ug/kg wet						
3-Nitroaniline	U	J		169	"						
Acenaphthene	U	J		33.4	"						
2,4-Dinitrophenol	U	J		844	"						
Pentachlorohenzene	U	J		33.4	"						
4-Nitrophenol	U	J		169	"						
Dibenzofuran	U	J		33.4	"						
2,4-Dinitrotoluene	U	J		33.4	"						
2,3,4,6-Tetrachlorophenol	U	J		33.4	"						
Diethylphthalate	U	J		33.4	"						
Fluorene	U	J		33.4	"						
4-Chlorophenylphenyl ether	U	J		33.4	"						
5-Nitro-o-toluidine	U	J		33.4	"						
4-Nitroaniline	U	J		169	"						
4,6-Dinitro-2-methylphenol	U	J		169	"						
Diphenylamine	U	J		33.4	"						
Azobenzene	U	J		33.4	"						
1,3,5-Trinitrobenzene	U	J		169	"						
Diallate (cis or trans)	U	J		33.4	"						
Phenacetin	U	J		33.4	"						
4-Bromophenyl phenyl ether	U	J		33.4	"						
Hexachlorobenzene	U	J		33.4	"						
Pentachlorophenol	U	J		169	"						
Pentachloronitrobenzene	U	J		33.4	"						
Pronamide	U	J		33.4	"						
Phenanthrene	U	J		33.4	"						
Dinosch	U	J		33.4	"						
Anthracene	U	J		33.4	"						
Carbazole	U	J		33.4	"						
Di-n-butylphthalate	U	J		844	"						
Isodrin	U	J		169	"						
Fluoranthene	U	J		33.4	"						
Benzidine	U	J		844	"						

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LABORATORY ACCREDITATION BUREAU
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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Blank (B110002-BLK2) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyrene	U	J		33.4	ug/kg wet						
p-Dimethylaminoazobenzene	U	J		33.4	"						
Chlorobenzilate	U	J		33.4	"						
3,3'-Dimethylbenzidine	U	J		844	"						
Butylbenzylphthalate	U	J		33.4	"						
2-Acetylaminofluorene	U	J		33.4	"						
Benzo (a) anthracene	U	J		33.4	"						
3,3'-Dichlorobenzidine	U	J		169	"						
Chrysene	U	J		33.4	"						
Bis(2-ethylhexyl)phthalate	U	J		169	"						
Di-n-octylphthalate	U	J		169	"						
Benzo(b)fluoranthene	U	J		33.4	"						
Benzo(k)fluoranthene	U	J		33.4	"						
Benzo(a)pyrene	U	J		33.4	"						
3-Methylcholanthrene	U	J		33.4	"						
Indeno(1,2,3-cd)pyrene	U	J		33.4	"						
Dibenz(a,h)anthracene	U	J		33.4	"						
Benzo(g,h,i)perylene	U	J		169	"						
Surrogate: 2-Fluorophenol	*286*				"	*844.3*		*33.9*	*57.3-118*		
Surrogate: Phenol-d5	*290*				"	*844.3*		*34.4*	*60.3-125*		
Surrogate: Nitrobenzene-d5	*342*				"	*844.3*		*40.5*	*51.4-111*		
Surrogate: 2-Fluorobiphenyl	*339*				"	*844.3*		*40.2*	*55.2-115*		
Surrogate: 2,4,6-Tribromophenol	*221*				"	*844.3*		*26.2*	*61.6-122*		
Surrogate: Terphenyl-d14	*741*				"	*844.3*		*87.7*	*68.8-129*		

LCS (B110002-BS1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

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Chicago Regional Laboratory
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Phone:(312)353-8370 Fax:(312)886-2591

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Certificate # L2289 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosodimethylamine	384			32.5	ug/kg wet	820.5		46.8	40.8-101		
Pyridine	240			164	"	820.5		29.3	20-77.4		
2-Picoline	316			164	"	820.5		38.5	20-118		
N-Nitrosomethylethylamine	418			164	"	820.5		50.9	44.9-124		
N-Nitrosodiethylamine	447			32.5	"	820.5		54.4	50.8-119		
Ethyl methanesulfonate	454			32.5	"	820.5		55.3	52.6-113		
Aniline	387			164	"	820.5		47.2	20-113		
Phenol	476			32.5	"	820.5		58.0	35.1-169		
Pentachloroethane	340			32.5	"	820.5		41.4	20.6-104		
Bis(2-chloroethyl)ether	428			32.5	"	820.5		52.2	51.4-111		
2-Chlorophenol	486			32.5	"	820.5		59.3	52.1-118		
1,3-Dichlorobenzene	385			164	"	820.5		46.9	31.2-120		
1,4-Dichlorobenzene	390			164	"	820.5		47.5	37-111		
1,2-Dichlorobenzene	399			164	"	820.5		48.7	40.1-106		
2-Methylphenol	484			32.5	"	820.5		59.0	53.7-128		
Bis(2-chloroisopropyl)ether	423			32.5	"	820.5		51.6	54-119		
N-Nitrosopyrrolidine	433			164	"	820.5		52.7	58.1-118		
Acetophenone	459			32.5	"	820.5		56.0	57.5-118		
N-Nitroso-di-n-propylamine	468			32.5	"	820.5		57.0	57.6-118		
o-Toluidine	356			32.5	"	820.5		43.4	20-98.9		
3-&/or 4-Methylphenol	889			66.0	"	1641		54.2	62.9-125		
Hexachloroethane	387			164	"	820.5		47.2	36.6-112		
Nitrobenzene	454			32.5	"	820.5		55.3	56.3-116		
N-Nitrosopiperidine	470			32.5	"	820.5		57.3	60-120		
Isophorone	449			32.5	"	820.5		54.7	61.1-121		
2-Nitrophenol	466			32.5	"	820.5		56.8	60.3-120		
2,4-Dimethylphenol	448			164	"	820.5		54.6	60.7-121		
Bis(2-chloroethoxy)methane	474			32.5	"	820.5		57.8	59.6-120		
2,4-Dichlorophenol	443			164	"	820.5		54.0	65.8-126		
1,2,4-Trichlorobenzene	418			164	"	820.5		50.9	53.6-114		
Naphthalene	438			32.5	"	820.5		53.4	55.1-115		
2,6-Dichlorophenol	467			32.5	"	820.5		56.9	63.6-124		
4-Chloroaniline	313			164	"	820.5		38.2	20-97.5		
Hexachloropropene	457			32.5	"	820.5		55.7	42.7-115		

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Chicago Regional Laboratory
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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS (B110002-BS1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachlorobutadiene	408			164	ug/kg wet	820.5		49.7	50.9-115		
N-Nitrosodi-n-butylamine	482			32.5	"	820.5		58.8	63.9-124		
4-Chloro-3-methylphenol	532			32.5	"	820.5		64.8	69-129		
Safrole	461			32.5	"	820.5		56.2	61.6-122		
2-Methylnaphthalene	443			32.5	"	820.5		54.0	60.4-120		
Hexachlorocyclopentadiene	525			164	"	820.5		64.0	20-136		
1,2,4,5-Tetrachlorobenzene	432			32.5	"	820.5		52.7	57.5-118		
2,4,6-Trichlorophenol	501			32.5	"	820.5		61.0	62.7-123		
2,4,5-Trichlorophenol	539			32.5	"	820.5		65.7	66.4-132		
Isosafrole	474			32.5	"	820.5		57.8	62.7-123		
2-Chloronaphthalene	463			32.5	"	820.5		56.5	59.3-119		
2-Nitroaniline	567			32.5	"	820.5		69.1	72-132		
Dimethylphthalate	556			32.5	"	820.5		67.7	67.4-127		
1,3-Dinitrobenzene	598			32.5	"	820.5		72.9	75-135		
2,6-Dinitrotoluene	591			32.5	"	820.5		72.0	69.8-130		
Acenaphthylene	479			32.5	"	820.5		58.4	61.6-122		
3-Nitroaniline	579			164	"	820.5		70.6	69.5-130		
Acenaphthene	473			32.5	"	820.5		57.6	59.4-119		
2,4-Dinitrophenol	506			820	"	820.5		61.7	20-122		
Pentachlorobenzene	462			32.5	"	820.5		56.3	62.5-123		
4-Nitrophenol	655			164	"	820.5		79.8	38.2-144		
Dibenzofuran	474			32.5	"	820.5		57.8	64.1-124		
2,4-Dinitrotoluene	634			32.5	"	820.5		77.3	75-135		
2,3,4,6-Tetrachlorophenol	613			32.5	"	820.5		74.7	70-130		
Diethylphthalate	602			32.5	"	820.5		73.3	69.6-130		
Fluorene	513			32.5	"	820.5		62.6	65.1-125		
4-Chlorophenylphenyl ether	495			32.5	"	820.5		60.3	65.3-125		
5-Nitro-o-toluidine	599			32.5	"	820.5		73.0	64.5-125		
4-Nitroaniline	612			164	"	820.5		74.6	76-136		
4,6-Dinitro-2-methylphenol	628			164	"	820.5		76.6	63.1-123		
Diphenylamine	609			32.5	"	820.5		74.3	67.4-127		
Azobenzene	632			32.5	"	820.5		77.0	63.7-124		
1,3,5-Trinitrobenzene	592			164	"	820.5		72.2	67.9-128		

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS (B110002-BS1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Diallate (cis or trans)	602			32.5	ug/kg wet	820.5		73.4	68.8-129		
Phenacetin	690			32.5	"	820.5		84.0	76-136		
4-Bromophenyl phenyl ether	569			32.5	"	820.5		69.4	66.5-127		
Hexachlorobenzene	593			32.5	"	820.5		72.3	65.2-125		
Pentachlorophenol	1180	J		164	"	820.5		144	28.7-145		
Pentachloronitrobenzene	696			32.5	"	820.5		84.8	70-130		
Pronamide	682			32.5	"	820.5		83.1	72-132		
Phenanthreoe	611			32.5	"	820.5		74.5	65.9-126		
Dinoseb	617			32.5	"	820.5		75.2	63.7-127		
Anthracene	623			32.5	"	820.5		76.0	67-127		
Carbazole	691			32.5	"	820.5		84.2	70-130		
Di-n-butylphthalate	U			820	"	820.5			20-257		
Isodrin	593			164	"	820.5		72.2	69.6-130		
Fluoranthene	663			32.5	"	820.5		80.8	70-130		
Benzidine	U			820	"	820.5			20-61.6		
Pyrene	680			32.5	"	820.5		82.9	71-131		
p-Dimethylaminoazobenzene	711			32.5	"	820.5		86.6	72-132		
Chlorobenzilate	712			32.5	"	820.5		86.8	65.5-126		
3,3'-Dimethylbenzidine	U			820	"	820.5			20-55.8		
Butylbenzylphthalate	689			32.5	"	820.5		84.0	75-135		
2-Acetylaminofluorene	724			32.5	"	820.5		88.2	81-141		
Benzo (a) anthracene	648			32.5	"	820.5		78.9	69.5-130		
3,3'-Dichlorobenzidine	605			164	"	820.5		73.7	48.6-109		
Chrysene	659			32.5	"	820.5		80.3	69.9-130		
Bis(2-ethylhexyl)phthalate	723			164	"	820.5		88.1	71-131		
Di-n-octylphthalate	720			164	"	820.5		87.8	75-135		
Benzo(b)fluoranthene	694			32.5	"	820.5		84.6	71-131		
Benzo(k)fluoranthene	744			32.5	"	820.5		90.6	68.8-129		
Benzo(a)pyrene	732			32.5	"	820.5		89.2	71-131		
3-Methylcholanthrene	728			32.5	"	820.5		88.8	71-131		
Indeno(1,2,3-cd)pyrene	739			32.5	"	820.5		90.1	72-132		
Dibenz(a,h)anthracene	733			32.5	"	820.5		89.3	73-133		
Benzo(g,h,i)perylene	710			164	"	820.5		86.5	20-185		

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Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS (B110002-BS1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 2-Fluorophenal	*494*				*ug/kg wet*	*820.5*		*60.2*	*57.3-118*		
Surrogate: Phenal-d5	*474*				*"*	*820.5*		*57.8*	*60.3-125*		
Surrogate: Nitrobenzene-d5	*447*				*"*	*820.5*		*54.4*	*51.4-111*		
Surrogate: 2-Fluorobiphenyl	*474*				*"*	*820.5*		*57.8*	*55.2-115*		
Surrogate: 2,4,6-Tribromophenol	*685*				*"*	*820.5*		*83.5*	*61.6-122*		
Surrogate: Terphenyl-d14	*708*				*"*	*820.5*		*86.3*	*68.8-129*		

LCS Dup (B110002-BSD1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosodimethylamine	522			33.0	ug/kg wet	832.5		62.7	40.8-101	29.1	30
Pyridine	345			167	"	832.5		41.5	20-77.4	34.5	46.4
2-Picoline	435			167	"	832.5		52.3	20-118	30.4	30
N-Nitrosomethylethylamine	552			167	"	832.5		66.4	44.9-124	26.3	30
N-Nitrosodiethylamine	594			33.0	"	832.5		71.4	50.8-119	27.0	30
Ethyl methanesulfonate	622			33.0	"	832.5		74.7	52.6-113	29.8	30
Aniline	481			167	"	832.5		57.8	20-113	20.1	57.5
Phenol	641			33.0	"	832.5		77.0	35.1-169	28.2	30
Pentachloroethane	440			33.0	"	832.5		52.9	20.6-104	24.4	84.8
Bis(2-chloroethyl)ether	591			33.0	"	832.5		71.0	51.4-111	30.6	30
2-Chlorophenol	657			33.0	"	832.5		78.9	52.1-118	28.4	30
1,3-Dichlorobenzene	528			167	"	832.5		63.4	31.2-120	30.0	81.6
1,4-Dichlorobenzene	540			167	"	832.5		64.9	37-111	31.0	75.6
1,2-Dichlorobenzene	554			167	"	832.5		66.6	40.1-106	31.1	53.9
2-Methylphenol	639			33.0	"	832.5		76.8	53.7-128	26.3	30
Bis(2-chloroisopropyl)ether	578			33.0	"	832.5		69.4	54-119	29.6	30
N-Nitrosopyrrolidine	572			167	"	832.5		68.7	58.1-118	26.4	30

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LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2288 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS Dup (B110002-BSD1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acetophenone	622			33.0	ug/kg wet	832.5		74.8	57.5-118	28.7	30
N-Nitroso-di-n-propylamine	620			33.0	"	832.5		74.5	57.6-118	26.6	30
o-Toluidine	418			33.0	"	832.5		50.2	20-98.9	14.6	31.4
3-&/or 4-Methylphenol	1200			66.9	"	1665		72.0	62.9-125	28.2	30
Hexachloroethane	542			167	"	832.5		65.1	36.6-112	31.9	77.2
Nitrobenzene	627			33.0	"	832.5		75.3	56.3-116	30.6	30
N-Nitrosopiperidine	639			33.0	"	832.5		76.8	60-120	29.1	30
Isophorone	619			33.0	"	832.5		74.4	61.1-121	30.6	30
2-Nitrophenol	669			33.0	"	832.5		80.4	60.3-120	34.4	30
2,4-Dimethylphenol	618			167	"	832.5		74.2	60.7-121	30.4	30
Bis(2-chloroethoxy)methane	648			33.0	"	832.5		77.9	59.6-120	29.7	30
2,4-Dichlorophenol	633			167	"	832.5		76.0	65.8-126	33.9	30
1,2,4-Trichlorobenzene	583			167	"	832.5		70.0	53.6-114	31.6	30
Naphthalene	596			33.0	"	832.5		71.6	55.1-115	29.0	30
2,6-Dichlorophenol	638			33.0	"	832.5		76.6	63.6-124	29.5	30
4-Chloroaniline	407			167	"	832.5		48.9	20-97.5	24.5	38.8
Hexachloropropene	648			33.0	"	832.5		77.8	42.7-115	33.1	30
Hexachlorobutadiene	591			167	"	832.5		71.0	50.9-115	35.3	31
N-Nitrosodi-n-butylamine	664			33.0	"	832.5		79.7	63.9-124	30.3	30
4-Chloro-3-methylphenol	674			33.0	"	832.5		81.0	69-129	22.2	30
Safrole	630			33.0	"	832.5		75.7	61.6-122	29.6	30
2-Methylnaphthalene	609			33.0	"	832.5		73.2	60.4-120	30.1	30
Hexachlorocyclopentadiene	694			167	"	832.5		83.4	20-136	26.3	30
1,2,4,5-Tetrachlorobenzene	600			33.0	"	832.5		72.1	57.5-118	31.1	30
2,4,6-Trichlorophenol	643			33.0	"	832.5		77.2	62.7-123	23.4	30
2,4,5-Trichlorophenol	683			33.0	"	832.5		82.0	66.4-132	22.1	30
Isosafrole	638			33.0	"	832.5		76.7	62.7-123	28.1	42.3
2-Chloronaphthalene	629			33.0	"	832.5		75.6	59.3-119	28.9	30
2-Nitroaniline	678			33.0	"	832.5		81.4	72-132	16.4	30
Dimethylphthalate	656			33.0	"	832.5		78.8	67.4-127	15.2	30
1,3-Dinitrobenzene	690			33.0	"	832.5		82.9	75-135	12.9	30
2,6-Dinitrotoluene	679			33.0	"	832.5		81.6	69.8-130	12.5	30
Acenaphthylene	631			33.0	"	832.5		75.8	61.6-122	25.9	30

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LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS Dup (B110002-BSD1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
3-Nitroaniline	630			167	ug/kg wet	832.5		75.7	69.5-130	6.95	30
Acenaphthene	626			33.0	"	832.5		75.2	59.4-119	26.5	30
2,4-Dinitrophenol	565			832	"	832.5		67.9	20-122	9.51	52
Pentachlorobenzene	609			33.0	"	832.5		73.1	62.5-123	26.0	30
4-Nitrophenol	629			167	"	832.5		75.6	38.2-144	5.51	30
Dibenzofuran	626			33.0	"	832.5		75.2	64.1-124	26.2	30
2,4-Dinitrotoluene	692			33.0	"	832.5		83.1	75-135	7.23	30
2,3,4,6-Tetrachlorophenol	685			33.0	"	832.5		82.2	70-130	9.58	30
Diethylphthalate	657			33.0	"	832.5		79.0	69.6-130	7.41	30
Fluorene	640			33.0	"	832.5		76.8	65.1-125	20.5	30
4-Chlorophenylphenyl ether	616			33.0	"	832.5		74.0	65.3-125	20.4	30
5-Nitro-o-toluidine	622			33.0	"	832.5		74.7	64.5-125	2.22	30
4-Nitroaniline	646			167	"	832.5		77.6	76-136	3.99	30
4,6-Dinitro-2-methylphenol	656			167	"	832.5		78.8	63.1-123	2.88	30
Diphenylamine	674			33.0	"	832.5		80.9	67.4-127	8.56	30
Azobenzene	735			33.0	"	832.5		88.3	63.7-124	13.6	30
1,3,5-Trinitrobenzene	587			167	"	832.5		70.5	67.9-128	2.30	30
Diallate (cis or trans)	692			33.0	"	832.5		83.1	68.8-129	12.4	30
Phenacetin	712			33.0	"	832.5		85.6	76-136	1.79	30
4-Bromophenyl phenyl ether	654			33.0	"	832.5		78.6	66.5-127	12.4	30
Hexachlorobenzene	654			33.0	"	832.5		78.5	65.2-125	8.22	30
Pentachlorophenol	1210	J		167	"	832.5		145	28.7-145	0.748	30
Pentachloronitrobenzene	747			33.0	"	832.5		89.7	70-130	5.59	30
Pronamide	718			33.0	"	832.5		86.2	72-132	3.68	30
Phenanthrene	667			33.0	"	832.5		80.2	65.9-126	7.35	30
Dinoseb	657			33.0	"	832.5		78.9	63.7-127	4.72	30
Anthracene	674			33.0	"	832.5		80.9	67-127	6.32	30
Carbazole	716			33.0	"	832.5		86.0	70-130	2.07	30
Di-n-butylphthalate	U			832	"	832.5			20-257		35.4
Isodrin	637			167	"	832.5		76.5	69.6-130	5.70	30
Fluoranthene	686			33.0	"	832.5		82.4	70-130	1.96	30
Benzidine	U			832	"	832.5			20-61.6		30
Pyrene	705			33.0	"	832.5		84.6	71-131	2.05	30

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

LCS Dup (B110002-BSD1) **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
p-Dimethylaminoazobenzene	708			33.0	ug/kg wet	832.5		85.0	72-132	1.91	30
Chlorobenzilate	702			33.0	"	832.5		84.3	65.5-126	2.95	30
3,3'-Dimethylbenzidine	U			832	"	832.5			20-55.8		30
Butylbenzylphthalate	711			33.0	"	832.5		85.4	75-135	1.70	30
2-Acetylaminofluorene	746			33.0	"	832.5		89.6	81-141	1.53	30
Benzo (a) anthracene	658			33.0	"	832.5		79.1	69.5-130	0.203	30
3,3'-Dichlorobenzidine	596			167	"	832.5		71.6	48.6-109	2.86	30
Chrysene	690			33.0	"	832.5		82.8	69.9-130	3.09	30
Bis(2-ethylhexyl)phthalate	732			167	"	832.5		88.0	71-131	0.136	30
Di-n-octylphthalate	738			167	"	832.5		88.6	75-135	0.907	30
Benzo(b)fluoranthene	711			33.0	"	832.5		85.4	71-131	0.988	30
Benzo(k)fluoranthene	761			33.0	"	832.5		91.4	68.8-129	0.791	30
Benzo(a)pyrene	736			33.0	"	832.5		88.4	71-131	0.946	30
3-Methylcholanthrene	749			33.0	"	832.5		90.0	71-131	1.39	30
Indeno(1,2,3-cd)pyrene	663			33.0	"	832.5		79.6	72-132	12.3	30
Dibenz(a,h)anthracene	767			33.0	"	832.5		92.1	73-133	3.09	30
Benzo(g,h,i)perylene	735			167	"	832.5		88.3	20-185	2.06	30
Surrogate: 2-Fluorophenol	*699*				"	*832.5*		*84.0*	*57.3-118*		
Surrogate: Phenol-d5	*643*				"	*832.5*		*77.2*	*60.3-125*		
Surrogate: Nitrobenzene-d5	*625*				"	*832.5*		*75.1*	*51.4-111*		
Surrogate: 2-Fluorobiphenyl	*623*				"	*832.5*		*74.8*	*55.2-115*		
Surrogate: 2,4,6-Tribromophenol	*726*				"	*832.5*		*87.2*	*61.6-122*		
Surrogate: Terphenyl-d14	*704*				"	*832.5*		*84.5*	*68.8-129*		

Duplicate (B110002-DUP1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

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Chicago Regional Laboratory
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Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2289 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Duplicate (B110002-DUP1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosodimethylamine	U			20800	ug/kg dry		U				200
Pyridine	U			1.06E5	"		U				200
2-Picoline	U			1.06E5	"		U				200
N-Nitrosomethylethylamine	U			1.06E5	"		U				200
N-Nitrosodiethylamine	U			20800	"		U				200
Ethyl methanesulfonate	U			20800	"		U				200
Aniline	U			1.06E5	"		U				200
Phenol	1.89E7			2.08E5	"		1.98E7			5.08	200
Pentachloroethane	U			20800	"		U				200
Bis(2-chloroethyl)ether	U			20800	"		U				200
2-Chlorophenol	U			20800	"		U				200
1,3-Dichlorobenzene	U			1.06E5	"		U				200
1,4-Dichlorobenzene	U			1.06E5	"		U				200
1,2-Dichlorobenzene	U			1.06E5	"		U				200
2-Methylphenol	U			20800	"		U				200
Bis(2-chloroisopropyl)ether	U			20800	"		U				200
N-Nitrosopyrrolidine	U			1.06E5	"		U				200
Acetophenone	4.55E6			2.08E5	"		4.76E6			4.50	200
N-Nitroso-di-n-propylamine	U			20800	"		U				200
o-Toluidine	U			20800	"		U				200
3-&/or 4-Methylphenol	U			42300	"		U				200
Hexachloroethane	U			1.06E5	"		U				200
Nitrobenzene	U			20800	"		U				200
N-Nitrosopiperidine	U			20800	"		U				200
Isophorone	U			20800	"		U				200
2-Nitrophenol	U			20800	"		U				200
2,4-Dimethylphenol	U			1.06E5	"		U				200
Bis(2-chloroethoxy)methane	U			20800	"		U				200
2,4-Dichlorophenol	U			1.06E5	"		U				200
1,2,4-Trichlorobenzene	U			1.06E5	"		U				200
Naphthalene	U			20800	"		U				200
2,6-Dichlorophenol	U			20800	"		U				200
4-Chloroaniline	U			1.06E6	"		U				200

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Certificate # L2289 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Duplicate (B110002-DUP1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachloropropene	U			20800	ug/kg dry		U				200
Hexachlorobutadiene	U			1.06E5	"		U				200
N-Nitrosodi-n-butylamine	U			20800	"		U				200
4-Chloro-3-methylphenol	U			20800	"		U				200
Safrole	U			20800	"		U				200
2-Methylnaphthalene	U			20800	"		U				200
Hexachlorocyclopentadiene	U			1.06E5	"		U				200
1,2,4,5-Tetrachlorobenzene	U			20800	"		U				200
2,4,6-Trichlorophenol	U			20800	"		U				200
2,4,5-Trichlorophenol	U			20800	"		U				200
Isosafrole	U			20800	"		U				200
2-Chloronaphthalene	U			20800	"		U				200
2-Nitroaniline	U			20800	"		U				200
Dimethylphthalate	U			20800	"		U				200
1,3-Dinitrobenzene	U			20800	"		U				200
2,6-Dinitrotoluene	U			20800	"		U				200
Acenaphthylene	U			20800	"		U				200
3-Nitroaniline	U			1.06E5	"		U				200
Acenaphthene	U			20800	"		U				200
2,4-Dinitrophenol	U			5.26E5	"		U				200
Pentachlorobenzene	U			20800	"		U				200
4-Nitrophenol	U			1.06E5	"		U				200
Dibenzofuran	U			20800	"		U				200
2,4-Dinitrotoluene	U			20800	"		U				200
2,3,4,6-Tetrachlorophenol	U			20800	"		U				200
Diethylphthalate	U			20800	"		U				200
Fluorene	U			20800	"		U				200
4-Chlorophenylphenyl ether	U			20800	"		U				200
5-Nitro-o-toluidine	U			20800	"		U				200
4-Nitroaniline	U			1.06E5	"		U				200
4,6-Dinitro-2-methylphenol	U			1.06E5	"		U				200
Diphenylamine	U			20800	"		U				200
Azobenzene	U			20800	"		U				200

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Duplicate (B110002-DUP1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,3,5-Trinitrobenzene	U			1.06E6	ug/kg dry		U				200
Diallate (cis or trans)	U			20800	"		U				200
Phenacetin	U			20800	"		U				200
4-Bromophenyl phenyl ether	U			20800	"		U				200
Hexachlorobenzene	U			20800	"		U				200
Pentachlorophenol	U	J		1.06E5	"		U				200
Pentachloronitrobenzene	U			20800	"		U				200
Pronamide	U			20800	"		U				200
Phenanthrene	U			20800	"		U				200
Dinoseb	U			20800	"		U				200
Anthracene	U			20800	"		U				200
Carbazole	U			20800	"		U				200
Di-n-butylphthalate	U			5.26E5	"		U				200
Isodrin	U			1.06E5	"		U				200
Fluoranthene	U			20800	"		U				200
Benzidine	U			5.26E5	"		U				200
Pyrene	U			20800	"		U				200
p-Dimethylaminoazobenzene	U			20800	"		U				200
Chlorobenzilate	U			20800	"		U				200
3,3'-Dimethylbenzidine	U	J		5.26E5	"		U				200
Butylbenzylphthalate	U			20800	"		U				200
2-Acetylaminofluorene	U			20800	"		U				200
Benzo (a) anthracene	U			20800	"		U				200
3,3'-Dichlorobenzidine	U			1.06E5	"		U				200
Chrysene	U			20800	"		U				200
Bis(2-ethylhexyl)phthalate	U			1.06E5	"		U				200
Di-n-octylphthalate	U			1.06E5	"		U				200
Benzo(b)fluoranthene	U			20800	"		U				200
Benzo(k)fluoranthene	U			20800	"		U				200
Benzo(a)pyrene	U			20800	"		U				200
3-Methylcholanthrene	U			20800	"		U				200
Indeno(1,2,3-cd)pyrene	U			20800	"		U				200
Dibenz(a,h)anthracene	U			20800	"		U				200

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Chicago Regional Laboratory
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Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
ACCREDITED ISO/IEC 17025
Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Duplicate (B110002-DUP1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	U			1.06E5	ug/kg dry		U				200
Surrogate: 2-Fluorophenol	*0.00*				"	*10530*			*57.3-118*		
Surrogate: Phenol-d5	*0.00*				"	*10530*			*60.3-125*		
Surrogate: Nitrobenzene-d5	*11000*				"	*10530*		*104*	*51.4-111*		
Surrogate: 2-Fluorobiphenyl	*0.00*				"	*10530*			*55.2-115*		
Surrogate: 2,4,6-Tribromophenol	*0.00*	J			"	*10530*			*61.6-122*		
Surrogate: Terphenyl-d14	*11400*				"	*10530*		*108*	*68.8-129*		

Matrix Spike (B110002-MS1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosodimethylamine	U			20900	ug/kg dry	10560	U		40.8-101		
Pyridine	U			1.06E5	"	10560	U		20-77.4		
2-Picoline	U			1.06E5	"	10560	U		20-118		
N-Nitrosomethylethylamine	U			1.06E5	"	10560	U		44.9-124		
N-Nitrosodiethylamine	U			20900	"	10560	U		50.8-119		
Ethyl methanesulfonate	U			20900	"	10560	U		52.6-113		
Aniline	U			1.06E5	"	10560	U		20-113		
Phenol	1.77E7			2.09E5	"	10560	1.98E7	NR	35.1-169		
Pentachloroethane	U			20900	"	10560	U		20.6-104		
Bis(2-chloroethyl)ether	U			20900	"	10560	U		51.4-111		
2-Chlorophenol	U			20900	"	10560	U		52.1-118		
1,3-Dichlorobenzene	U			1.06E5	"	10560	U		31.2-120		
1,4-Dichlorobenzene	U			1.06E5	"	10560	U		37-111		
1,2-Dichlorobenzene	U			1.06E5	"	10560	U		40.1-106		
2-Methylphenol	U			20900	"	10560	U		53.7-128		
Bis(2-chloroisopropyl)ether	U			20900	"	10560	U		54-119		

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Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Matrix Spike (B110002-MS1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosopyrrolidine	U			1.06E5	ug/kg dry	10560	U		58.1-118		
Acetophenone	4.03E6			2.09E5	"	10560	4.76E6	NR	57.5-118		
N-Nitroso-di-n-propylamine	U			20900	"	10560	U		57.6-118		
o-Toluidine	U			20900	"	10560	U		20-98.9		
3-&/or 4-Methylphenol	53900			42500	"	21120	U	255	62.9-125		
Hexachloroethane	U			1.06E5	"	10560	U		36.6-112		
Nitrobenzene	U			20900	"	10560	U		56.3-116		
N-Nitrosopiperidine	U			20900	"	10560	U		60-120		
Isophorone	U			20900	"	10560	U		61.1-121		
2-Nitrophenol	U			20900	"	10560	U		60.3-120		
2,4-Dimethylphenol	U			1.06E5	"	10560	U		60.7-121		
Bis(2-chloroethoxy)methane	U			20900	"	10560	U		59.6-120		
2,4-Dichlorophenol	U			1.06E5	"	10560	U		65.8-126		
1,2,4-Trichlorobenzene	U			1.06E5	"	10560	U		53.6-114		
Naphthalene	U			20900	"	10560	U		55.1-115		
2,6-Dichlorophenol	U			20900	"	10560	U		63.6-124		
4-Chloroaniline	U			1.06E6	"	10560	U		20-97.5		
Hexachloropropene	U			20900	"	10560	U		42.7-115		
Hexachlorobutadiene	U			1.06E5	"	10560	U		50.9-115		
N-Nitrosodi-n-butylamine	U			20900	"	10560	U		63.9-124		
4-Chloro-3-methylphenol	U			20900	"	10560	U		69-129		
Safrole	U			20900	"	10560	U		61.6-122		
2-Methylnaphthalene	U			20900	"	10560	U		60.4-120		
Hexachlorocyclopentadiene	U			1.06E5	"	10560	U		20-136		
1,2,4,5-Tetrachlorobenzene	U			20900	"	10560	U		57.5-118		
2,4,6-Trichlorophenol	U			20900	"	10560	U		62.7-123		
2,4,5-Trichlorophenol	U			20900	"	10560	U		66.4-132		
Isosafrole	U			20900	"	10560	U		62.7-123		
2-Chloronaphthalene	U			20900	"	10560	U		59.3-119		
2-Nitroaniline	U			20900	"	10560	U		72-132		
Dimethylphthalate	U			20900	"	10560	U		67.4-127		
1,3-Dinitrobenzene	U			20900	"	10560	U		75-135		
2,6-Dinitrotoluene	U			20900	"	10560	U		69.8-130		

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Matrix Spike (B110002-MS1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acenaphthylene	U			20900	ug/kg dry	10560	U		61.6-122		
3-Nitroaniline	U			1.06E5	"	10560	U		69.5-130		
Acenaphthene	U			20900	"	10560	U		59.4-119		
2,4-Dinitrophenol	U			5.28E5	"	10560	U		20-122		
Pentachlorobenzene	U			20900	"	10560	U		62.5-123		
4-Nitrophenol	U			1.06E5	"	10560	U		38.2-144		
Dibenzofuran	U			20900	"	10560	U		64.1-124		
2,4-Dinitrotoluene	U			20900	"	10560	U		75-135		
2,3,4,6-Tetrachlorophenol	52200			20900	"	10560	U	494	70-130		
Diethylphthalate	U			20900	"	10560	U		69.6-130		
Fluorene	U			20900	"	10560	U		65.1-125		
4-Chlorophenylphenyl ether	U			20900	"	10560	U		65.3-125		
5-Nitro-o-toluidine	U			20900	"	10560	U		64.5-125		
4-Nitroaniline	U			1.06E5	"	10560	U		76-136		
4,6-Dinitro-2-methylphenol	U			1.06E5	"	10560	U		63.1-123		
Diphenylamine	U			20900	"	10560	U		67.4-127		
Azobenzene	34600			20900	"	10560	U	328	63.7-124		
1,3,5-Trinitrobenzene	U			1.06E6	"	10560	U		67.9-128		
Diallate (cis or trans)	U			20900	"	10560	U		68.8-129		
Phenacetin	U			20900	"	10560	U		76-136		
4-Bromophenyl phenyl ether	U			20900	"	10560	U		66.5-127		
Hexachlorobenzene	U			20900	"	10560	U		65.2-125		
Pentachlorophenol	U	J		1.06E5	"	10560	U		28.7-145		
Pentachloronitrobenzene	U			20900	"	10560	U		70-130		
Pronamide	U			20900	"	10560	U		72-132		
Phenanthrene	U			20900	"	10560	U		65.9-126		
Dinoseb	U			20900	"	10560	U		63.7-127		
Anthracene	U			20900	"	10560	U		67-127		
Carbazole	U			20900	"	10560	U		70-130		
Di-n-butylphthalate	U			5.28E5	"	10560	U		20-257		
Isodrin	U			1.06E5	"	10560	U		69.6-130		
Fluoranthene	U			20900	"	10560	U		70-130		
Benzidine	U			5.28E5	"	10560	U		20-61.6		

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Matrix Spike (B110002-MS1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyrene	U			20900	ug/kg dry	10560	U		71-131		
p-Dimethylaminoazobenzene	U			20900	"	10560	U		72-132		
Chlorobenzilate	U			20900	"	10560	U		65.5-126		
3,3'-Dimethylbenzidine	U	J		5.28E5	"	10560	U		20-55.8		
Butylbenzylphthalate	U			20900	"	10560	U		75-135		
2-Acetylaminofluorene	U			20900	"	10560	U		81-141		
Benzo (a) anthracene	U			20900	"	10560	U		69.5-130		
3,3'-Dichlorobenzidine	U			1.06E5	"	10560	U		48.6-109		
Chrysene	U			20900	"	10560	U		69.9-130		
Bis(2-ethylhexyl)phthalate	U			1.06E5	"	10560	U		71-131		
Di-n-octylphthalate	U			1.06E5	"	10560	U		75-135		
Benzo(b)fluoranthene	U			20900	"	10560	U		71-131		
Benzo(k)fluoranthene	U			20900	"	10560	U		68.8-129		
Benzo(a)pyrene	U			20900	"	10560	U		71-131		
3-Methylcholanthrene	U			20900	"	10560	U		71-131		
Indeno(1,2,3-cd)pyrene	U			20900	"	10560	U		72-132		
Dibenz(a,h)anthracene	U			20900	"	10560	U		73-133		
Benzo(g,h,i)perylene	U			1.06E5	"	10560	U		20-185		
Surragate: 2-Fluorophenol	*0.00*				"	*10560*			*57.3-118*		
Surrogate: Phenol-d5	*0.00*				"	*10560*			*60.3-125*		
Surrogate: Nitrobenzene-d5	*10600*				"	*10560*		*100*	*51.4-111*		
Surrogate: 2-Fluorobiphenyl	*0.00*				"	*10560*			*55.2-115*		
Surrogate: 2,4,6-Tribromophenol	*0.00*	J			"	*10560*			*61.6-122*		
Surrogate: Terphenyl-d14	*10800*				"	*10560*		*102*	*68.8-129*		

Matrix Spike Dup (B110002-MSD1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

LABORATORY ACCREDITATION BUREAU
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Certificate # L2288 Testing

RCRA, LCD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Blue Island Phenols Project Number: [none] Project Manager: Mike Beedle	**Reported:** Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
N-Nitrosodimethylamine	U			21000	ug/kg dry	10590	U		40.8-101		30
Pyridine	U			1.06E5	"	10590	U		20-77.4		46.4
2-Picoline	U			1.06E5	"	10590	U		20-118		30
N-Nitrosomethylethylamine	U			1.06E5	"	10590	U		44.9-124		30
N-Nitrosodiethylamine	U			21000	"	10590	U		50.8-119		30
Ethyl methanesulfonate	U			21000	"	10590	U		52.6-113		30
Aniline	U			1.06E5	"	10590	U		20-113		57.5
Phenol	2.03E7			2.10E5	"	10590	1.98E7	NR	35.1-169	NR	30
Pentachloroethane	U			21000	"	10590	U		20.6-104		84.8
Bis(2-chloroethyl)ether	U			21000	"	10590	U		51.4-111		30
2-Chlorophenol	U			21000	"	10590	U		52.1-118		30
1,3-Dichlorobenzene	U			1.06E5	"	10590	U		31.2-120		81.6
1,4-Dichlorobenzene	U			1.06E5	"	10590	U		37-111		75.6
1,2-Dichlorobenzene	U			1.06E5	"	10590	U		40.1-106		53.9
2-Methylphenol	U			21000	"	10590	U		53.7-128		30
Bis(2-chloroisopropyl)ether	U			21000	"	10590	U		54-119		30
N-Nitrosopyrrolidine	U			1.06E5	"	10590	U		58.1-118		30
Acetophenone	4.72E6			2.10E5	"	10590	4.76E6	NR	57.5-118	NR	30
N-Nitroso-di-n-propylamine	U			21000	"	10590	U		57.6-118		30
o-Toluidine	U			21000	"	10590	U		20-98.9		31.4
3-&/or 4-Methylphenol	44100			42600	"	21190	U	208	62.9-125	20.3	30
Hexachloroethane	U			1.06E5	"	10590	U		36.6-112		77.2
Nitrobenzene	1.61E5			21000	"	10590	U	NR	56.3-116		30
N-Nitrosopiperidine	U			21000	"	10590	U		60-120		30
Isophorone	U			21000	"	10590	U		61.1-121		30
2-Nitrophenol	U			21000	"	10590	U		60.3-120		30
2,4-Dimethylphenol	U			1.06E5	"	10590	U		60.7-121		30
Bis(2-chloroethoxy)methane	U			21000	"	10590	U		59.6-120		30
2,4-Dichlorophenol	U			1.06E5	"	10590	U		65.8-126		30
1,2,4-Trichlorobenzene	U			1.06E5	"	10590	U		53.6-114		30
Naphthalene	U			21000	"	10590	U		55.1-115		30
2,6-Dichlorophenol	U			21000	"	10590	U		63.6-124		30
4-Chloroaniline	U			1.06E6	"	10590	U		20-97.5		38.8
Hexachloropropene	U			21000	"	10590	U		42.7-115		30

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Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Matrix Spike Dup (B110002-MSD1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Hexachlorobutadiene	U			1.06E5	ug/kg dry	10590	U		50.9-115		31
N-Nitrosodi-n-butylamine	U			21000	"	10590	U		63.9-124		30
4-Chloro-3-methylphenol	U			21000	"	10590	U		69-129		30
Safrole	U			21000	"	10590	U		61.6-122		30
2-Methylnaphthalene	U			21000	"	10590	U		60.4-120		30
Hexachlorocyclopentadiene	U			1.06E5	"	10590	U		20-136		30
1,2,4,5-Tetrachlorobenzene	U			21000	"	10590	U		57.5-118		30
2,4,6-Trichlorophenol	U			21000	"	10590	U		62.7-123		30
2,4,5-Trichlorophenol	U			21000	"	10590	U		66.4-132		30
Isosafrole	U			21000	"	10590	U		62.7-123		42.3
2-Chloronaphthalene	U			21000	"	10590	U		59.3-119		30
2-Nitroaniline	U			21000	"	10590	U		72-132		30
Dimethylphthalate	U			21000	"	10590	U		67.4-127		30
1,3-Dinitrobenzene	U			21000	"	10590	U		75-135		30
2,6-Dinitrotoluene	U			21000	"	10590	U		69.8-130		30
Acenaphthylene	U			21000	"	10590	U		61.6-122		30
3-Nitroaniline	U			1.06E5	"	10590	U		69.5-130		30
Acenaphthene	U			21000	"	10590	U		59.4-119		30
2,4-Dinitrophenol	U			5.29E5	"	10590	U		20-122		52
Pentachlorobenzene	U			21000	"	10590	U		62.5-123		30
4-Nitrophenol	U			1.06E5	"	10590	U		38.2-144		30
Dibenzofuran	U			21000	"	10590	U		64.1-124		30
2,4-Dinitrotoluene	U			21000	"	10590	U		75-135		30
2,3,4,6-Tetrachlorophenol	52500			21000	"	10590	U	496	70-130	0.404	30
Diethylphthalate	U			21000	"	10590	U		69.6-130		30
Fluorene	U			21000	"	10590	U		65.1-125		30
4-Chlorophenylphenyl ether	U			21000	"	10590	U		65.3-125		30
5-Nitro-o-toluidine	U			21000	"	10590	U		64.5-125		30
4-Nitroaniline	U			1.06E5	"	10590	U		76-136		30
4,6-Dinitro-2-methylphenol	U			1.06E5	"	10590	U		63.1-123		30
Diphenylamine	U			21000	"	10590	U		67.4-127		30
Azobenzene	U			21000	"	10590	U		63.7-124		30
1,3,5-Trinitrobenzene	U			1.06E6	"	10590	U		67.9-128		30

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Chicago Regional Laboratory
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Phone:(312)353-8370 Fax:(312)886-2591

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Certificate # L2288 Testing

RCRA, LCD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Blue Island Phenols Project Number: [none] Project Manager: Mike Beedle	**Reported:** Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Matrix Spike Dup (B110002-MSD1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Diallate (cis or trans)	U			21000	ug/kg dry	10590	U		68.8-129		30
Phenacetin	U			21000	"	10590	U		76-136		30
4-Bromophenyl phenyl ether	U			21000	"	10590	U		66.5-127		30
Hexachlorobenzene	U			21000	"	10590	U		65.2-125		30
Pentachlorophenol	U	J		1.06E5	"	10590	U		28.7-145		30
Pentachloronitrobenzene	U			21000	"	10590	U		70-130		30
Pronamide	U			21000	"	10590	U		72-132		30
Phenanthrene	U			21000	"	10590	U		65.9-126		30
Dinoseb	U			21000	"	10590	U		63.7-127		30
Anthracene	U			21000	"	10590	U		67-127		30
Carbazole	U			21000	"	10590	U		70-130		30
Di-n-butylphthalate	U			5.29E5	"	10590	U		20-257		35.4
Isodrin	U			1.06E5	"	10590	U		69.6-130		30
Fluoranthene	U			21000	"	10590	U		70-130		30
Benzidine	U			5.29E5	"	10590	U		20-61.6		30
Pyrene	U			21000	"	10590	U		71-131		30
p-Dimethylaminoazobenzene	U			21000	"	10590	U		72-132		30
Chlorobenzilate	U			21000	"	10590	U		65.5-126		30
3,3'-Dimethylbenzidine	U	J		5.29E5	"	10590	U		20-55.8		30
Butylbenzylphthalate	U			21000	"	10590	U		75-135		30
2-Acetylaminofluorene	U			21000	"	10590	U		81-141		30
Benzo (a) anthracene	U			21000	"	10590	U		69.5-130		30
3,3'-Dichlorobenzidine	U			1.06E5	"	10590	U		48.6-109		30
Chrysene	U			21000	"	10590	U		69.9-130		30
Bis(2-ethylhexyl)phthalate	U			1.06E5	"	10590	U		71-131		30
Di-n-octylphthalate	U			1.06E5	"	10590	U		75-135		30
Benzo(b)fluoranthene	U			21000	"	10590	U		71-131		30
Benzo(k)fluoranthene	U			21000	"	10590	U		68.8-129		30
Benzo(a)pyrene	U			21000	"	10590	U		71-131		30
3-Methylcholanthrene	U			21000	"	10590	U		71-131		30
Indeno(1,2,3-cd)pyrene	U			21000	"	10590	U		72-132		30
Dibenz(a,h)anthracene	U			21000	"	10590	U		73-133		30
Benzo(g,h,i)perylene	U			1.06E5	"	10590	U		20-185		30

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Phone:(312)353-8370 Fax:(312)886-2591

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110002 - Solvent Extraction

Matrix Spike Dup (B110002-MSD1) **Source: 1109008-06** **Prepared: Sep-20-11 Analyzed: Oct-27-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 2-Fluorophenol	*0.00*				*ug/kg dry*	*10590*			*57.3-118*		
Surrogate: Phenol-d5	*0.00*				*"*	*10590*			*60.3-125*		
Surrogate: Nitrobenzene-d5	*0.00*				*"*	*10590*			*51.4-111*		
Surrogate: 2-Fluorobiphenyl	*0.00*				*"*	*10590*			*55.2-115*		
Surrogate: 2,4,6-Tribromophenol	*0.00*	J			*"*	*10590*			*61.6-122*		
Surrogate: Terphenyl-d14	*11200*				*"*	*10590*		*106*	*68.8-129*		

Batch B110004 - Solvent Extraction

Blank (B110004-BLK1) **Prepared: Sep-23-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyridine	U			0.12	mg/L						
2-Methylphenol	U	J		0.024	"						
3- &/or 4-Methylphenol	U	J		0.048	"						
Hexachloroethane	U			0.024	"						
Nitrobenzene	U			0.024	"						
Hexachlorobutadiene	U			0.024	"						
2,4,6-Trichlorophenol	U	J		0.024	"						
2,4,5-Trichlorophenol	U	J		0.024	"						
2,4-Dinitrotoluene	U			0.024	"						
Hexachlorobenzene	U			0.024	"						
Pentachlorophenol	U	J		0.12	"						

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RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110004 - Solvent Extraction

Blank (B110004-BLK1) — **Prepared: Sep-23-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Pyridine-d5	*0.12*				*mg/L*	*0.6024*		*20.0*	*20-73.9*		
Surrogate: 2-Fluorophenol	*0.083*				*"*	*0.6024*		*13.8*	*20-76.3*		
Surrogate: Phenol-d5	*0.079*				*"*	*0.6024*		*13.0*	*20-71.2*		
Surrogate: Nitrobenzene-d5	*0.20*				*"*	*0.6024*		*33.4*	*33.7-99.1*		
Surrogate: 2-Fluorobiphenyl	*0.22*				*"*	*0.6024*		*36.5*	*33.9-107*		
Surrogate: 2,4,6-Tribramaphenol	*0.013*				*"*	*0.6024*		*2.16*	*51.9-125*		
Surrogate: Terphenyl-d14	*0.53*				*"*	*0.6024*		*88.5*	*50-134*		

LCS (B110004-BS1) — **Prepared: Sep-23-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyridine	**0.15**			0.13	mg/L	0.6667		22.6	20-83.9		
2-Methylphenol	**0.19**			0.027	"	0.6667		29.2	30-90		
3- &/or 4-Methylphenol	**0.37**			0.053	"	1.333		27.7	29.6-89.6		
Hexachloroethane	**0.21**			0.027	"	0.6667		30.8	28.9-88.9		
Nitrobenzene	**0.22**			0.027	"	0.6667		33.1	33.8-98.6		
Hexachlorobutadiene	**0.22**			0.027	"	0.6667		33.0	31.2-91.8		
2,4,6-Trichlorophenol	**0.23**			0.027	"	0.6667		34.6	35.7-120		
2,4,5-Trichlorophenol	**0.26**			0.027	"	0.6667		38.3	41.5-126		
2,4-Dinitrotoluene	**0.46**			0.027	"	0.6667		69.6	54.5-136		
Hexachlorobenzene	**0.40**			0.027	"	0.6667		59.4	48-126		
Pentachlorophenol	**0.89**	J		0.13	"	0.6667		133	55.7-130		
Surrogate: Pyridine-d5	*0.16*				*"*	*0.6667*		*24.4*	*20-73.9*		
Surrogate: 2-Fluorophenal	*0.16*				*"*	*0.6667*		*23.6*	*20-76.3*		
Surrogate: Phenol-d5	*0.13*				*"*	*0.6667*		*18.8*	*20-71.2*		
Surrogate: Nitrobenzene-d5	*0.22*				*"*	*0.6667*		*33.1*	*33.7-99.1*		
Surrogate: 2-Fluorabiphenyl	*0.23*				*"*	*0.6667*		*34.0*	*33.9-107*		

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	Reported:
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110004 - Solvent Extraction

LCS (B110004-BS1) — **Prepared: Sep-23-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 2,4,6-Tribromophenol	*0.43*				*mg/L*	*0.6667*		*64.9*	*51.9-125*		
Surrogate: Terphenyl-d14	*0.55*				*"*	*0.6667*		*82.2*	*50-134*		

LCS Dup (B110004-BSD1) — **Prepared: Sep-23-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyridine	U			0.12	mg/L	0.6098			20-83.9		124.8
2-Methylphenol	0.21			0.024	"	0.6098		35.2	30-90	18.4	30
3- &/or 4-Methylphenol	0.38			0.049	"	1.220		30.8	29.6-89.6	10.5	30
Hexachloroethane	0.22			0.024	"	0.6098		35.6	28.9-88.9	14.3	30
Nitrobenzene	0.23			0.024	"	0.6098		38.4	33.8-98.6	14.9	30
Hexachlorobutadiene	0.23			0.024	"	0.6098		37.1	31.2-91.8	11.5	30
2,4,6-Trichlorophenol	0.29			0.024	"	0.6098		47.1	35.7-120	30.4	30
2,4,5-Trichlorophenol	0.32			0.024	"	0.6098		53.0	41.5-126	32.2	30
2,4-Dinitrotoluene	0.49			0.024	"	0.6098		79.9	54.5-136	13.9	30
Hexachlorobenzene	0.43			0.024	"	0.6098		70.8	48-126	17.5	30
Pentachlorophenol	0.90	J		0.12	"	0.6098		147	55.7-130	9.90	30
Surrogate: Pyridine-d5	*0.054*				*"*	*0.6098*		*8.80*	*20-73.9*		
Surrogate: 2-Fluorophenol	*0.16*				*"*	*0.6098*		*26.2*	*20-76.3*		
Surrogate: Phenol-d5	*0.13*				*"*	*0.6098*		*20.9*	*20-71.2*		
Surrogate: Nitrobenzene-d5	*0.24*				*"*	*0.6098*		*38.6*	*33.7-99.1*		
Surrogate: 2-Fluorobiphenyl	*0.25*				*"*	*0.6098*		*40.9*	*33.9-107*		
Surrogate: 2,4,6-Tribromophenol	*0.48*				*"*	*0.6098*		*78.9*	*51.9-125*		
Surrogate: Terphenyl-d14	*0.55*				*"*	*0.6098*		*89.6*	*50-134*		

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5 77 West Jackson Boulevard Chicago IL, 60604	Project: Blue Island Phenols Project Number: [none] Project Manager: Mike Beedle	Reported: Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110004 - Solvent Extraction

Matrix Spike (B110004-MS1) **Source: 1109008-03** **Prepared: Sep-23-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyridine	**0.15**			0.12	mg/L	0.6250	U	23.4	20-83.9		
2-Methylphenol	**0.22**			0.025	"	0.6250	U	34.7	30-90		
3- &/or 4-Methylphenol	**0.40**			0.050	"	1.250	U	32.3	29.6-89.6		
Hexachloroethane	**0.25**			0.025	"	0.6250	U	39.8	28.9-88.9		
Nitrobenzene	**0.27**			0.025	"	0.6250	U	43.3	33.8-98.6		
Hexachlorobutadiene	**0.25**			0.025	"	0.6250	U	40.5	31.2-91.8		
2,4,6-Trichlorophenol	**0.28**			0.025	"	0.6250	U	45.6	35.7-120		
2,4,5-Trichlorophenol	**0.30**			0.025	"	0.6250	U	47.8	41.5-126		
2,4-Dinitrotoluene	**0.38**			0.025	"	0.6250	U	61.3	54.5-136		
Hexachlorobenzene	**0.37**			0.025	"	0.6250	U	59.5	48-126		
Pentachlorophenol	**0.79**	K		0.12	"	0.6250	U	127	55.7-130		
Surrogate: Pyridine-d5	*0.17*				"	*0.6250*		*27.3*	*20-73.9*		
Surrugate: 2-Fluorophenol	*0.17*				"	*0.6250*		*26.9*	*20-76.3*		
Surrogate: Phenol-d5	*0.14*				"	*0.6250*		*22.9*	*20-71.2*		
Surrogate: Nitrobenzene-d5	*0.27*				"	*0.6250*		*42.6*	*33.7-99.1*		
Surrogate: 2-Fluorobiphenyl	*0.29*				"	*0.6250*		*46.0*	*33.9-107*		
Surrogate: 2,4,6-Tribromophenol	*0.41*				"	*0.6250*		*65.6*	*51.9-125*		
Surrogate: Terphenyl-d14	*0.40*				"	*0.6250*		*64.5*	*50-134*		

Matrix Spike Dup (B110004-MSD1) **Source: 1109008-03** **Prepared: Sep-23-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyridine	**0.22**			0.13	mg/L	0.6329	U	34.2	20-83.9	37.5	124.8
2-Methylphenol	**0.27**			0.025	"	0.6329	U	42.9	30-90	21.1	30
3- &/or 4-Methylphenol	**0.47**			0.051	"	1.266	U	37.5	29.6-89.6	14.9	30
Hexachloroethane	**0.30**			0.025	"	0.6329	U	46.8	28.9-88.9	16.1	30

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Certificate # L2280 Testing

RCRA, LCD, US EPA Region 5	Project: Blue Island Phenols	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60604	Project Manager: Mike Beedle	Nov-29-11 11:26

Semivolatiles by GC/MS, EPA 8270C (modified) - Quality Control
US EPA Region 5 Chicago Regional Laboratory

Batch B110004 - Solvent Extraction

Matrix Spike Dup (B110004-MSD1) **Source: 1109008-03** **Prepared: Sep-23-11 Analyzed: Oct-26-11**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Nitrobenzene	**0.32**			0.025	mg/L	0.6329	U	51.0	33.8-98.6	16.5	30
Hexachlorobutadiene	**0.30**			0.025	"	0.6329	U	47.9	31.2-91.8	16.7	30
2,4,6-Trichlorophenol	**0.33**			0.025	"	0.6329	U	52.4	35.7-120	14.0	30
2,4,5-Trichlorophenol	**0.35**			0.025	"	0.6329	U	55.1	41.5-126	14.1	30
2,4-Dinitrotoluene	**0.43**			0.025	"	0.6329	U	67.2	54.5-136	9.09	30
Hexachlorobenzene	**0.41**			0.025	"	0.6329	U	64.1	48-126	7.38	30
Pentachlorophenol	**0.84**	K		0.13	"	0.6329	U	133	55.7-130	4.78	30
Surrogate: Pyridine-d5	*0.22*				"	*0.6329*		*34.9*	*20-73.9*		
Surrogate: 2-Fluorophenol	*0.22*				"	*0.6329*		*34.5*	*20-76.3*		
Surrogate: Phenol-d5	*0.18*				"	*0.6329*		*27.7*	*20-71.2*		
Surrogate: Nitrobenzene-d5	*0.31*				"	*0.6329*		*49.1*	*33.7-99.1*		
Surrogate: 2-Fluorobiphenyl	*0.32*				"	*0.6329*		*50.5*	*33.9-107*		
Surrogate: 2,4,6-Tribromophenol	*0.47*				"	*0.6329*		*74.6*	*51.9-125*		
Surrogate: Terphenyl-d14	*0.46*				"	*0.6329*		*72.8*	*50-134*		

Notes and Definitions

R	Rejected
K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Not Detected
NR	Not Reported

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.08:2014
	SVOA Expanded List	(Soil)	RPD calculations based on %Recovery
	SVOA Expanded List	(Soil)	Special Units: (ug/kg)
	TCLP - SVOA by end-over-end r	(Water)	RPD calculations based on %Recovery
	TCLP - SVOA by end-over-end r	(Water)	Special Units: (mg/L)
1109008-01	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-01	TCLP - SVOA by end-over-end r	2,4,6-Tribromophenol	Exceeds lower control limit
1109008-01	TCLP - SVOA by end-over-end r	2-Fluorobiphenyl	Exceeds lower control limit
1109008-01	TCLP - SVOA by end-over-end r	Phenol-d5	Exceeds lower control limit
1109008-02	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-02	TCLP - SVOA by end-over-end r	2,4,6-Tribromophenol	Exceeds lower control limit
1109008-02	TCLP - SVOA by end-over-end r	2-Fluorobiphenyl	Exceeds lower control limit
1109008-02	TCLP - SVOA by end-over-end r	2-Fluorophenol	Exceeds lower control limit
1109008-02	TCLP - SVOA by end-over-end r	Phenol-d5	Exceeds lower control limit
1109008-03	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-03	TCLP - SVOA by end-over-end r	2,4,6-Tribromophenol	Exceeds lower control limit
1109008-03	TCLP - SVOA by end-over-end r	2-Fluorobiphenyl	Exceeds lower control limit
1109008-03	TCLP - SVOA by end-over-end r	2-Fluorophenol	Exceeds lower control limit
1109008-03	TCLP - SVOA by end-over-end r	Nitrobenzene-d5	Exceeds lower control limit
1109008-03	TCLP - SVOA by end-over-end r	Phenol-d5	Exceeds lower control limit
1109008-04	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-04	TCLP - SVOA by end-over-end r	Pyridine-d5	Exceeds lower control limit
1109008-05	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-05	TCLP - SVOA by end-over-end r	Pyridine-d5	Exceeds lower control limit
1109008-08	TCLP - SVOA by end-over-end r		Sampled->Prepared > 7.00 days
1109008-08	TCLP - SVOA by end-over-end r	2,4-Dinitrotoluene	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Hexachlorobenzene	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Hexachlorobutadiene	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Hexachloroethane	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Nitrobenzene	R: Rejected
1109008-08	TCLP - SVOA by end-over-end r	Pyridine	R: Rejected
1109008-09	TCLP - SVOA by end-over-end r		Soil batched as Water
1109008-09	TCLP - SVOA by end-over-end r	2,4,6-Tribromophenol	No spike level
1109008-09	TCLP - SVOA by end-over-end r	2-Fluorobiphenyl	No spike level
1109008-09	TCLP - SVOA by end-over-end r	2-Fluorophenol	No spike level
1109008-09	TCLP - SVOA by end-over-end r	Nitrobenzene-d5	No spike level
1109008-09	TCLP - SVOA by end-over-end r	Phenol-d5	No spike level
1109008-09	TCLP - SVOA by end-over-end r	Pyridine-d5	No spike level
1109008-09	TCLP - SVOA by end-over-end r	Terphenyl-d14	No spike level
B110002-BLK1	SVOA Expanded List	2,4,6-Tribromophenol	Exceeds lower control limit
B110002-BLK1	SVOA Expanded List	2-Fluorobiphenyl	Exceeds lower control limit
B110002-BLK1	SVOA Expanded List	2-Fluorophenol	Exceeds lower control limit
B110002-BLK1	SVOA Expanded List	Nitrobenzene-d5	Exceeds lower control limit
B110002-BLK1	SVOA Expanded List	Phenol-d5	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	2,4,6-Tribromophenol	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	2-Fluorobiphenyl	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	2-Fluorophenol	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	Nitrobenzene-d5	Exceeds lower control limit
B110002-BLK2	SVOA Expanded List	Phenol-d5	Exceeds lower control limit

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-BS1	SVOA Expanded List	1,2,4,5-Tetrachlorobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	1,2,4-Trichlorobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	1,3-Dinitrobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,4,5-Trichlorophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,4,6-Trichlorophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,4-Dichlorophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,4-Dimethylphenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2,6-Dichlorophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2-Chloronaphthalene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2-Methylnaphthalene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2-Nitroaniline	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	2-Nitrophenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	3-&/or 4-Methylphenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	3,3'-Dimethylbenzidine	Spike recovery below MDL
B110002-BS1	SVOA Expanded List	4-Chloro-3-methylphenol	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	4-Chlorophenylphenyl ether	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	4-Nitroaniline	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Acenaphthene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Acenaphthylene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Acetophenone	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Benzidine	Spike recovery below MDL
B110002-BS1	SVOA Expanded List	Bis(2-chloroethoxy)methane	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Bis(2-chloroisopropyl)ether	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Dibenzofuran	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Di-n-butylphthalate	Spike recovery below MDL
B110002-BS1	SVOA Expanded List	Fluorene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Hexachlorobutadiene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Isophorone	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Isosafrole	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Naphthalene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Nitrobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	N-Nitrosodi-n-butylamine	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	N-Nitroso-di-n-propylamine	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	N-Nitrosopiperidine	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	N-Nitrosopyrrolidine	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Pentachlorobenzene	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Phenol-d5	Exceeds lower control limit
B110002-BS1	SVOA Expanded List	Safrole	Exceeds lower control limit
B110002-BSD1	SVOA Expanded List	1,2,4,5-Tetrachlorobenzene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	1,2,4-Trichlorobenzene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2,4-Dichlorophenol	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2,4-Dimethylphenol	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2-Methylnaphthalene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2-Nitrophenol	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	2-Picoline	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	3,3'-Dimethylbenzidine	Spike recovery below MDL
B110002-BSD1	SVOA Expanded List	Benzidine	Spike recovery below MDL
B110002-BSD1	SVOA Expanded List	Bis(2-chloroethyl)ether	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	Di-n-butylphthalate	Spike recovery below MDL
B110002-BSD1	SVOA Expanded List	Hexachlorobutadiene	Exceeds RPD control limit

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-BSD1	SVOA Expanded List	Hexachloropropene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	Isophorone	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	Nitrobenzene	Exceeds RPD control limit
B110002-BSD1	SVOA Expanded List	N-Nitrosodi-n-butylamine	Exceeds RPD control limit
B110002-MS1	SVOA Expanded List	1,2,4,5-Tetrachlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,2,4-Trichlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,2-Dichlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,3,5-Trinitrobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,3-Dichlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,3-Dinitrobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	1,4-Dichlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,3,4,6-Tetrachlorophenol	Exceeds upper control limit
B110002-MS1	SVOA Expanded List	2,3,4,6-Tetrachlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4,5-Trichlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4,6-Trichlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4-Dichlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4-Dimethylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4-Dinitrophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,4-Dinitrotoluene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,6-Dichlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2,6-Dinitrotoluene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Acetylaminofluorene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Chloronaphthalene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Chlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Methylnaphthalene	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Methylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Nitroaniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Nitrophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	2-Picoline	Spike less than MDL
B110002-MS1	SVOA Expanded List	3-&/or 4-Methylphenol	Exceeds upper control limit
B110002-MS1	SVOA Expanded List	3-&/or 4-Methylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	3,3'-Dichlorobenzidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	3,3'-Dimethylbenzidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	3-Methylcholanthrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	3-Nitroaniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	4,6-Dinitro-2-methylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Bromophenyl phenyl ether	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Chloro-3-methylphenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Chloroaniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Chlorophenylphenyl ether	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Nitroaniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	4-Nitrophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	5-Nitro-o-toluidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	Acenaphthene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Acenaphthylene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Acetophenone	Exceeds lower control limit
B110002-MS1	SVOA Expanded List	Acetophenone	Spike less than MDL
B110002-MS1	SVOA Expanded List	Aniline	Spike less than MDL
B110002-MS1	SVOA Expanded List	Anthracene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Azobenzene	Exceeds upper control limit

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-MS1	SVOA Expanded List	Azobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo (a) anthracene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo(a)pyrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo(b)fluoranthene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo(g,h,i)perylene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Benzo(k)fluoranthene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Bis(2-chloroethoxy)methane	Spike less than MDL
B110002-MS1	SVOA Expanded List	Bis(2-chloroethyl)ether	Spike less than MDL
B110002-MS1	SVOA Expanded List	Bis(2-chloroisopropyl)ether	Spike less than MDL
B110002-MS1	SVOA Expanded List	Bis(2-ethylhexyl)phthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Butylbenzylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Carbazole	Spike less than MDL
B110002-MS1	SVOA Expanded List	Chlorobenzilate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Chrysene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Diallate (cis or trans)	Spike less than MDL
B110002-MS1	SVOA Expanded List	Dibenz(a,h)anthracene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Dibenzofuran	Spike less than MDL
B110002-MS1	SVOA Expanded List	Diethylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Dimethylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Di-n-butylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Di-n-octylphthalate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Dinoseb	Spike less than MDL
B110002-MS1	SVOA Expanded List	Diphenylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	Ethyl methanesulfonate	Spike less than MDL
B110002-MS1	SVOA Expanded List	Fluoranthene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Fluorene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachlorobutadiene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachlorocyclopentadiene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachloroethane	Spike less than MDL
B110002-MS1	SVOA Expanded List	Hexachloropropene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Indeno(1,2,3-cd)pyrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Isodrin	Spike less than MDL
B110002-MS1	SVOA Expanded List	Isophorone	Spike less than MDL
B110002-MS1	SVOA Expanded List	Isosafrole	Spike less than MDL
B110002-MS1	SVOA Expanded List	Naphthalene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Nitrobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosodiethylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosodimethylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosodi-n-butylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitroso-di-n-propylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosomethylethylamine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosopiperidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	N-Nitrosopyrrolidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	o-Toluidine	Spike less than MDL
B110002-MS1	SVOA Expanded List	p-Dimethylaminoazobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pentachlorobenzene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pentachloroethane	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pentachloronitrobenzene	Spike less than MDL

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-MS1	SVOA Expanded List	Pentachlorophenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	Phenacetin	Spike less than MDL
B110002-MS1	SVOA Expanded List	Phenanthrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Phenol	Exceeds lower control limit
B110002-MS1	SVOA Expanded List	Phenol	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pronamide	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pyrene	Spike less than MDL
B110002-MS1	SVOA Expanded List	Pyridine	Spike less than MDL
B110002-MS1	SVOA Expanded List	Safrole	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,2,4,5-Tetrachlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,2,4-Trichlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,2-Dichlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,3,5-Trinitrobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,3-Dichlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,3-Dinitrobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	1,4-Dichlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,3,4,6-Tetrachlorophenol	Exceeds upper control limit
B110002-MSD1	SVOA Expanded List	2,3,4,6-Tetrachlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4,5-Trichlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4,6-Trichlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4-Dichlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4-Dimethylphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4-Dinitrophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,4-Dinitrotoluene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,6-Dichlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2,6-Dinitrotoluene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Acetylaminofluorene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Chloronaphthalene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Chlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Methylnaphthalene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Methylphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Nitroaniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Nitrophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	2-Picoline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3-&/or 4-Methylphenol	Exceeds upper control limit
B110002-MSD1	SVOA Expanded List	3-&/or 4-Methylphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3,3'-Dichlorobenzidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3,3'-Dimethylbenzidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3-Methylcholanthrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	3-Nitroaniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4,6-Dinitro-2-methylphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Bromophenyl phenyl ether	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Chloro-3-methylphenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Chloroaniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Chlorophenylphenyl ether	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Nitroaniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	4-Nitrophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	5-Nitro-o-toluidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Acenaphthene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Acenaphthylene	Spike less than MDL

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-MSD1	SVOA Expanded List	Acetophenone	Exceeds lower control limit
B110002-MSD1	SVOA Expanded List	Acetophenone	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Aniline	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Anthracene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Azobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo (a) anthracene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo(a)pyrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo(b)fluoranthene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo(g,h,i)perylene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Benzo(k)fluoranthene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Bis(2-chloroethoxy)methane	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Bis(2-chloroethyl)ether	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Bis(2-chloroisopropyl)ether	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Bis(2-ethylhexyl)phthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Butylbenzylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Carbazole	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Chlorobenzilate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Chrysene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Diallate (cis or trans)	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Dibenz(a,h)anthracene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Dibenzofuran	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Diethylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Dimethylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Di-n-butylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Di-n-octylphthalate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Dinoseb	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Diphenylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Ethyl methanesulfonate	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Fluoranthene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Fluorene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachlorobutadiene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachlorocyclopentadiene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachloroethane	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Hexachloropropene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Indeno(1,2,3-cd)pyrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Isodrin	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Isophorone	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Isosafrole	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Naphthalene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Nitrobenzene	Exceeds upper cntrnl limit
B110002-MSD1	SVOA Expanded List	Nitrobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosodiethylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosodimethylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosodi-n-butylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitroso-di-n-propylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosomethylethylamine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosopiperidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	N-Nitrosopyrrolidine	Spike less than MDL

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
B110002-MSD1	SVOA Expanded List	o-Toluidine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	p-Dimethylaminoazobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pentachlorobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pentachloroethane	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pentachloronitrobenzene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pentachlorophenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Phenacetin	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Phenanthrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Phenol	Exceeds upper control limit
B110002-MSD1	SVOA Expanded List	Phenol	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pronamide	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pyrene	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Pyridine	Spike less than MDL
B110002-MSD1	SVOA Expanded List	Safrole	Spike less than MDL
B110004-BLK1	TCLP - SVOA by end-over-end r	2,4,6-Tribromophenol	Exceeds lower control limit
B110004-BLK1	TCLP - SVOA by end-over-end r	2-Fluorophenol	Exceeds lower control limit
B110004-BLK1	TCLP - SVOA by end-over-end r	Nitrobenzene-d5	Exceeds lower control limit
B110004-BLK1	TCLP - SVOA by end-over-end r	Phenol-d5	Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r	2,4,5-Trichlorophenol	Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r	2,4,6-Trichlorophenol	Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r	2-Methylphenol	Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r	3- &/or 4-Methylphenol	Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r	Nitrobenzene	Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r	Nitrobenzene-d5	Exceeds lower control limit
B110004-BS1	TCLP - SVOA by end-over-end r	Pentachlorophenol	Exceeds upper control limit
B110004-BS1	TCLP - SVOA by end-over-end r	Phenol-d5	Exceeds lower control limit
B110004-BSD1	TCLP - SVOA by end-over-end r	2,4,5-Trichlorophenol	Exceeds RPD control limit
B110004-BSD1	TCLP - SVOA by end-over-end r	2,4,6-Trichlorophenol	Exceeds RPD control limit
B110004-BSD1	TCLP - SVOA by end-over-end r	Pentachlorophenol	Exceeds upper control limit
B110004-BSD1	TCLP - SVOA by end-over-end r	Pyridine	Spike recovery below MDL
B110004-BSD1	TCLP - SVOA by end-over-end r	Pyridine-d5	Exceeds lower control limit
B110004-MS1	TCLP - SVOA by end-over-end r	Pentachlorophenol	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
B110004-MSD1	TCLP - SVOA by end-over-end r	Pentachlorophenol	Exceeds upper control limit
B110004-MSD1	TCLP - SVOA by end-over-end r	Pentachlorophenol	K: The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.

Sample, Log and Extraction Comments

1109008-01

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-02

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-03

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-04

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-05

TCLP - SVOA by end-over-end rotator extraction

pH = 8, report non-TCLP analytes
pH = 8, report non-TCLP analytes

1109008-06

SVOA Expanded List

pH = 8
pH = 8

1109008-08

TCLP - SVOA by end-over-end rotator extraction

report non-TCLP analytes
report non-TCLP analytes