

## Feeney, John M - DNR

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**From:** Dave Lennon <dmlennon@yahoo.com>  
**Sent:** Monday, March 4, 2024 4:35 PM  
**To:** Feeney, John M - DNR  
**Subject:** VOC Soil Lab Report  
**Attachments:** 2011-12-28 Lab COC.pdf; 2011-12-28 Soil Lab Report B1 to B3.pdf; B.2.a. Soil Contamination - PFAS.pdf

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Hi John,

VOCs were analyzed in soil at B1, B2, and B3 in December 2011, when Moraine began working on this project. The C-O-C and Report are attached. I did not see any groundwater lab reports by/for Moraine with full VOC groundwater analysis. The PFAS Soil figure is attached and revised to reflect concentrations in ug/kg.

I have a call in to Andy about the on-site potable well and need to perform PFAS testing prior to abandonment, as well as your offer of a virtual meeting prior to sending the WDNR response letter.

With respect to designating the area of excavation completed in 1991, where 4 drums were reportedly vandalized, and a shallow soil excavation subsequently completed, it appears that documentation provided by Environmental Associates, or even in-house DNR notes may show the location as DNR personnel were on-site that day (2/21/91). Moraine has no record of the specific excavation area.

Dave Lennon, P.E.  
Senior Project Manager  
Moraine Environmental  
Cell: 262-844-5343  
Office: 262-692-3345





**Sample Condition Upon Receipt**

Client Name: Moraine Environmental Project # H055345

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used N/A

Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun.

Cooler Temperature ROI

Biological Tissue is Frozen:  yes  no

Temp Blank Present:  yes  no

Temp should be above freezing to 6°C for all sample except Biota.

Biota Samples should be received ≤ 0°C.

Optional  
 Proj. Due Date:  
 Proj. Name:

Person examining contents:  
 Date: 12/29/11  
 Initials: EMH

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

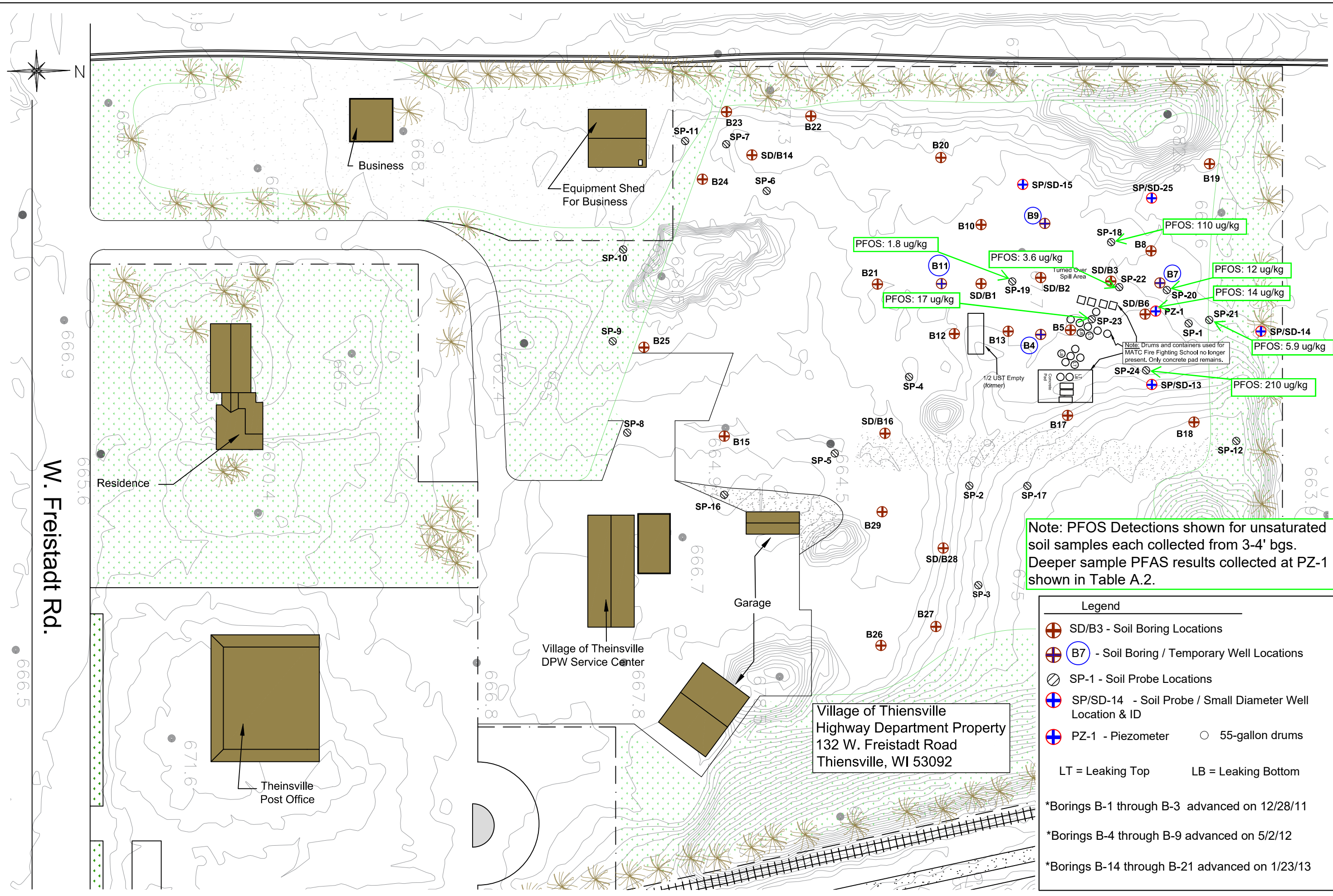
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: Flipped septa on 001 + 003 EMH 12/29/11

Project Manager Review: \_\_\_\_\_

Date: 12/29/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



Note: PFOS Detections shown for unsaturated soil samples each collected from 3-4' bgs. Deeper sample PFAS results collected at PZ-1 shown in Table A.2.

Legend	
	SD/B3 - Soil Boring Locations
	B7 - Soil Boring / Temporary Well Locations
	SP-1 - Soil Probe Locations
	SP/SD-14 - Soil Probe / Small Diameter Well Location & ID
	PZ-1 - Piezometer
	55-gallon drums
LT	Leaking Top
LB	Leaking Bottom
*Borings B-1 through B-3 advanced on 12/28/11	
*Borings B-4 through B-9 advanced on 5/2/12	
*Borings B-14 through B-21 advanced on 1/23/13	

FIGURE B.2.a.  
SOIL CONTAMINATION - PFAS (PFOS)

VILLAGE OF THIENSVILLE - DPW SERVICE CENTER  
132 W. FREISTADT RD., THIENSVILLE, WI 53092

W. Freistadt Rd.



January 13, 2012

Tom Sweet  
Moraine Environmental, Inc.  
1402 7th Avenue  
Grafton, WI 530242330

RE: Project: 5323 VILLAGE OF THIENSVILLE  
Pace Project No.: 4055345

Dear Tom Sweet:

Enclosed are the analytical results for sample(s) received by the laboratory on December 29, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Steven Mleczko

steve.mleczko@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 11888

North Carolina Certification #: 503

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

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## SAMPLE SUMMARY

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4055345001	B1 1'	Solid	12/28/11 00:00	12/29/11 13:25
4055345002	B1 3'	Solid	12/28/11 00:00	12/29/11 13:25
4055345003	B1 7.5'	Solid	12/28/11 00:00	12/29/11 13:25
4055345004	B2 1'	Solid	12/28/11 00:00	12/29/11 13:25
4055345005	B2 5'	Solid	12/28/11 00:00	12/29/11 13:25
4055345006	B3 1'	Solid	12/28/11 00:00	12/29/11 13:25
4055345007	B3 3'	Solid	12/28/11 00:00	12/29/11 13:25
4055345008	B3 8'	Solid	12/28/11 00:00	12/29/11 13:25

## REPORT OF LABORATORY ANALYSIS

### SAMPLE ANALYTE COUNT

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4055345001	B1 1'	EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	JJJ	64	PASI-G
		ASTM D2974-87	EMH	1	PASI-G
4055345002	B1 3'	EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	JJJ	64	PASI-G
		ASTM D2974-87	EMH	1	PASI-G
4055345003	B1 7.5'	EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	JJJ	64	PASI-G
		ASTM D2974-87	EMH	1	PASI-G
4055345004	B2 1'	EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	JJJ	64	PASI-G
		ASTM D2974-87	EMH	1	PASI-G
4055345005	B2 5'	EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	JJJ	64	PASI-G
		ASTM D2974-87	EMH	1	PASI-G
4055345006	B3 1'	EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	JJJ	64	PASI-G
		ASTM D2974-87	EMH	1	PASI-G
4055345007	B3 3'	EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270	RJN	70	PASI-G
		EPA 8260	JJJ	64	PASI-G
		ASTM D2974-87	EMH	1	PASI-G
4055345008	B3 8'	EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G

### REPORT OF LABORATORY ANALYSIS



### SAMPLE ANALYTE COUNT

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	RJN	70	PASI-G
		EPA 8260	JJB	64	PASI-G
		ASTM D2974-87	EMH	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B1 1' Lab ID: 4055345001 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	2.5	mg/kg	2.1	0.15	1	01/04/12 15:45	01/05/12 18:37	7440-38-2	
Barium	25.8	mg/kg	0.53	0.041	1	01/04/12 15:45	01/05/12 18:37	7440-39-3	M0,R1
Cadmium	0.18J	mg/kg	0.53	0.018	1	01/04/12 15:45	01/05/12 18:37	7440-43-9	
Chromium	7.5	mg/kg	0.53	0.068	1	01/04/12 15:45	01/05/12 18:37	7440-47-3	
Lead	12.2	mg/kg	1.1	0.14	1	01/04/12 15:45	01/05/12 18:37	7439-92-1	
Selenium	<0.31	mg/kg	2.1	0.31	1	01/04/12 15:45	01/05/12 18:37	7782-49-2	
Silver	<0.092	mg/kg	1.1	0.092	1	01/04/12 15:45	01/05/12 18:37	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.012	mg/kg	0.0049	0.0023	1	01/12/12 09:36	01/12/12 13:34	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	83-32-9	
Acenaphthylene	<37.7	ug/kg	352	37.7	1	01/04/12 12:50	01/06/12 15:55	208-96-8	
Anthracene	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	120-12-7	
Benzo(a)anthracene	339J	ug/kg	352	39.5	1	01/04/12 12:50	01/06/12 15:55	56-55-3	
Benzo(a)pyrene	505	ug/kg	352	42.6	1	01/04/12 12:50	01/06/12 15:55	50-32-8	
Benzo(b)fluoranthene	439	ug/kg	352	41.5	1	01/04/12 12:50	01/06/12 15:55	205-99-2	
Benzo(g,h,i)perylene	473	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	191-24-2	
Benzo(k)fluoranthene	472	ug/kg	352	55.4	1	01/04/12 12:50	01/06/12 15:55	207-08-9	
4-Bromophenylphenyl ether	<37.2	ug/kg	352	37.2	1	01/04/12 12:50	01/06/12 15:55	101-55-3	
Butylbenzylphthalate	<79.1	ug/kg	352	79.1	1	01/04/12 12:50	01/06/12 15:55	85-68-7	
Carbazole	<36.2	ug/kg	352	36.2	1	01/04/12 12:50	01/06/12 15:55	86-74-8	
4-Chloro-3-methylphenol	<35.9	ug/kg	352	35.9	1	01/04/12 12:50	01/06/12 15:55	59-50-7	
4-Chloroaniline	<176	ug/kg	702	176	1	01/04/12 12:50	01/06/12 15:55	106-47-8	
bis(2-Chloroethoxy)methane	<42.4	ug/kg	352	42.4	1	01/04/12 12:50	01/06/12 15:55	111-91-1	
bis(2-Chloroethyl) ether	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	111-44-4	
2-Chloronaphthalene	<36.6	ug/kg	352	36.6	1	01/04/12 12:50	01/06/12 15:55	91-58-7	
2-Chlorophenol	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	95-57-8	
4-Chlorophenylphenyl ether	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	7005-72-3	
Chrysene	458	ug/kg	352	51.2	1	01/04/12 12:50	01/06/12 15:55	218-01-9	
Dibenz(a,h)anthracene	156J	ug/kg	352	64.3	1	01/04/12 12:50	01/06/12 15:55	53-70-3	
Dibenzofuran	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	132-64-9	
1,2-Dichlorobenzene	<40.2	ug/kg	352	40.2	1	01/04/12 12:50	01/06/12 15:55	95-50-1	
1,3-Dichlorobenzene	<41.2	ug/kg	352	41.2	1	01/04/12 12:50	01/06/12 15:55	541-73-1	
1,4-Dichlorobenzene	<45.3	ug/kg	352	45.3	1	01/04/12 12:50	01/06/12 15:55	106-46-7	
3,3'-Dichlorobenzidine	<25.5	ug/kg	352	25.5	1	01/04/12 12:50	01/06/12 15:55	91-94-1	
2,4-Dichlorophenol	<30.0	ug/kg	352	30.0	1	01/04/12 12:50	01/06/12 15:55	120-83-2	
Diethylphthalate	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	84-66-2	
2,4-Dimethylphenol	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	105-67-9	
Dimethylphthalate	<36.9	ug/kg	352	36.9	1	01/04/12 12:50	01/06/12 15:55	131-11-3	
Di-n-butylphthalate	<58.8	ug/kg	352	58.8	1	01/04/12 12:50	01/06/12 15:55	84-74-2	
4,6-Dinitro-2-methylphenol	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	534-52-1	
2,4-Dinitrophenol	<258	ug/kg	1410	258	1	01/04/12 12:50	01/06/12 15:55	51-28-5	

Date: 01/13/2012 10:17 AM

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B1 1' Lab ID: 4055345001 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
<b>MICROWAVE</b>									
2,4-Dinitrotoluene	<27.6	ug/kg	352	27.6	1	01/04/12 12:50	01/06/12 15:55	121-14-2	
2,6-Dinitrotoluene	<40.6	ug/kg	352	40.6	1	01/04/12 12:50	01/06/12 15:55	606-20-2	
Di-n-octylphthalate	<38.4	ug/kg	352	38.4	1	01/04/12 12:50	01/06/12 15:55	117-84-0	
bis(2-Ethylhexyl)phthalate	<71.9	ug/kg	352	71.9	1	01/04/12 12:50	01/06/12 15:55	117-81-7	
Fluoranthene	335J	ug/kg	352	62.2	1	01/04/12 12:50	01/06/12 15:55	206-44-0	
Fluorene	34.5J	ug/kg	352	17.7	1	01/04/12 12:50	01/06/12 15:55	86-73-7	
Hexachloro-1,3-butadiene	<45.2	ug/kg	352	45.2	1	01/04/12 12:50	01/06/12 15:55	87-68-3	
Hexachlorobenzene	<20.7	ug/kg	352	20.7	1	01/04/12 12:50	01/06/12 15:55	118-74-1	
Hexachlorocyclopentadiene	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	77-47-4	
Hexachloroethane	<44.4	ug/kg	352	44.4	1	01/04/12 12:50	01/06/12 15:55	67-72-1	
Indeno(1,2,3-cd)pyrene	421	ug/kg	352	47.1	1	01/04/12 12:50	01/06/12 15:55	193-39-5	
Isophorone	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	78-59-1	
2-Methylnaphthalene	<38.7	ug/kg	352	38.7	1	01/04/12 12:50	01/06/12 15:55	91-57-6	
2-Methylphenol(o-Cresol)	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.6	ug/kg	352	36.6	1	01/04/12 12:50	01/06/12 15:55		
Naphthalene	<41.1	ug/kg	352	41.1	1	01/04/12 12:50	01/06/12 15:55	91-20-3	
2-Nitroaniline	<25.4	ug/kg	352	25.4	1	01/04/12 12:50	01/06/12 15:55	88-74-4	
3-Nitroaniline	<27.8	ug/kg	352	27.8	1	01/04/12 12:50	01/06/12 15:55	99-09-2	
4-Nitroaniline	<176	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	100-01-6	
Nitrobenzene	<40.3	ug/kg	352	40.3	1	01/04/12 12:50	01/06/12 15:55	98-95-3	
2-Nitrophenol	<42.0	ug/kg	352	42.0	1	01/04/12 12:50	01/06/12 15:55	88-75-5	
4-Nitrophenol	<69.3	ug/kg	352	69.3	1	01/04/12 12:50	01/06/12 15:55	100-02-7	
N-Nitroso-di-n-propylamine	<41.7	ug/kg	352	41.7	1	01/04/12 12:50	01/06/12 15:55	621-64-7	
N-Nitrosodiphenylamine	<48.2	ug/kg	352	48.2	1	01/04/12 12:50	01/06/12 15:55	86-30-6	
2,2'-Oxybis(1-chloropropane)	<45.0	ug/kg	352	45.0	1	01/04/12 12:50	01/06/12 15:55	108-60-1	
Pentachlorophenol	<176	ug/kg	695	176	1	01/04/12 12:50	01/06/12 15:55	87-86-5	
Phenanthrene	269J	ug/kg	352	176	1	01/04/12 12:50	01/06/12 15:55	85-01-8	
Phenol	<41.7	ug/kg	352	41.7	1	01/04/12 12:50	01/06/12 15:55	108-95-2	
Pyrene	868	ug/kg	352	85.5	1	01/04/12 12:50	01/06/12 15:55	129-00-0	
1,2,4-Trichlorobenzene	<19.4	ug/kg	352	19.4	1	01/04/12 12:50	01/06/12 15:55	120-82-1	
2,4,5-Trichlorophenol	<23.1	ug/kg	352	23.1	1	01/04/12 12:50	01/06/12 15:55	95-95-4	
2,4,6-Trichlorophenol	<38.8	ug/kg	352	38.8	1	01/04/12 12:50	01/06/12 15:55	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	80 %		44-130		1	01/04/12 12:50	01/06/12 15:55	4165-60-0	
2-Fluorobiphenyl (S)	92 %		43-130		1	01/04/12 12:50	01/06/12 15:55	321-60-8	
Terphenyl-d14 (S)	115 %		10-130		1	01/04/12 12:50	01/06/12 15:55	1718-51-0	
Phenol-d6 (S)	80 %		26-130		1	01/04/12 12:50	01/06/12 15:55	13127-88-3	
2-Fluorophenol (S)	66 %		20-130		1	01/04/12 12:50	01/06/12 15:55	367-12-4	
2,4,6-Tribromophenol (S)	57 %		11-130		1	01/04/12 12:50	01/06/12 15:55	118-79-6	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	74-97-5	W

Date: 01/13/2012 10:17 AM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B1 1' Lab ID: 4055345001 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	01/03/12 12:00	01/04/12 12:20	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	01/03/12 12:00	01/04/12 12:20	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	01/03/12 12:00	01/04/12 12:20	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	01/03/12 12:00	01/04/12 12:20	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	108-20-3	W
Ethylbenzene	29.6J	ug/kg	63.2	26.3	1	01/03/12 12:00	01/04/12 12:20	100-41-4	
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	01/03/12 12:00	01/04/12 12:20	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	127-18-4	W

Date: 01/13/2012 10:17 AM

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

**Sample: B1 1'**      **Lab ID: 4055345001**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Toluene	<b>2980</b>	ug/kg	63.2	26.3	1	01/03/12 12:00	01/04/12 12:20	108-88-3	
1,2,3-Trichlorobenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	87-61-6	W
1,2,4-Trichlorobenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	120-82-1	W
1,1,1-Trichloroethane	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	71-55-6	W
1,1,2-Trichloroethane	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	79-00-5	W
Trichloroethene	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	79-01-6	W
Trichlorofluoromethane	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	75-69-4	W
1,2,3-Trichloropropane	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	96-18-4	W
1,2,4-Trimethylbenzene	<b>36.2J</b>	ug/kg	63.2	26.3	1	01/03/12 12:00	01/04/12 12:20	95-63-6	
1,3,5-Trimethylbenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	108-67-8	W
Vinyl chloride	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:20	75-01-4	W
m&p-Xylene	<b>82.1J</b>	ug/kg	126	52.7	1	01/03/12 12:00	01/04/12 12:20	179601-23-1	
o-Xylene	<b>29.7J</b>	ug/kg	63.2	26.3	1	01/03/12 12:00	01/04/12 12:20	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	88 %.		57-149		1	01/03/12 12:00	01/04/12 12:20	1868-53-7	1q
Toluene-d8 (S)	97 %.		55-152		1	01/03/12 12:00	01/04/12 12:20	2037-26-5	
4-Bromofluorobenzene (S)	92 %.		40-139		1	01/03/12 12:00	01/04/12 12:20	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>5.1</b>	%	0.10	0.10	1		12/30/11 08:03		

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B1 3' Lab ID: 4055345002 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	3.0	mg/kg	2.0	0.14	1	01/04/12 15:45	01/05/12 18:57	7440-38-2	
Barium	35.9	mg/kg	0.49	0.039	1	01/04/12 15:45	01/05/12 18:57	7440-39-3	
Cadmium	0.32J	mg/kg	0.49	0.017	1	01/04/12 15:45	01/05/12 18:57	7440-43-9	
Chromium	10.4	mg/kg	0.49	0.064	1	01/04/12 15:45	01/05/12 18:57	7440-47-3	
Lead	63.7	mg/kg	0.99	0.14	1	01/04/12 15:45	01/05/12 18:57	7439-92-1	
Selenium	<0.29	mg/kg	2.0	0.29	1	01/04/12 15:45	01/05/12 18:57	7782-49-2	
Silver	<0.087	mg/kg	0.99	0.087	1	01/04/12 15:45	01/05/12 18:57	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.030	mg/kg	0.0045	0.0022	1	01/12/12 09:36	01/12/12 13:40	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	83-32-9	
Acenaphthylene	<37.3	ug/kg	348	37.3	2	01/04/12 12:50	01/06/12 17:33	208-96-8	
Anthracene	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	120-12-7	
Benzo(a)anthracene	420	ug/kg	348	39.2	2	01/04/12 12:50	01/06/12 17:33	56-55-3	
Benzo(a)pyrene	431	ug/kg	348	42.2	2	01/04/12 12:50	01/06/12 17:33	50-32-8	
Benzo(b)fluoranthene	435	ug/kg	348	41.1	2	01/04/12 12:50	01/06/12 17:33	205-99-2	
Benzo(g,h,i)perylene	342J	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	191-24-2	
Benzo(k)fluoranthene	420	ug/kg	348	54.9	2	01/04/12 12:50	01/06/12 17:33	207-08-9	
4-Bromophenylphenyl ether	<36.9	ug/kg	348	36.9	2	01/04/12 12:50	01/06/12 17:33	101-55-3	
Butylbenzylphthalate	<78.3	ug/kg	348	78.3	2	01/04/12 12:50	01/06/12 17:33	85-68-7	
Carbazole	36.5J	ug/kg	348	35.9	2	01/04/12 12:50	01/06/12 17:33	86-74-8	
4-Chloro-3-methylphenol	<35.5	ug/kg	348	35.5	2	01/04/12 12:50	01/06/12 17:33	59-50-7	
4-Chloroaniline	<174	ug/kg	695	174	2	01/04/12 12:50	01/06/12 17:33	106-47-8	
bis(2-Chloroethoxy)methane	<42.0	ug/kg	348	42.0	2	01/04/12 12:50	01/06/12 17:33	111-91-1	
bis(2-Chloroethyl) ether	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	111-44-4	
2-Chloronaphthalene	<36.2	ug/kg	348	36.2	2	01/04/12 12:50	01/06/12 17:33	91-58-7	
2-Chlorophenol	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	95-57-8	
4-Chlorophenylphenyl ether	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	7005-72-3	
Chrysene	527	ug/kg	348	50.7	2	01/04/12 12:50	01/06/12 17:33	218-01-9	
Dibenz(a,h)anthracene	113J	ug/kg	348	63.7	2	01/04/12 12:50	01/06/12 17:33	53-70-3	
Dibenzofuran	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	132-64-9	
1,2-Dichlorobenzene	<39.8	ug/kg	348	39.8	2	01/04/12 12:50	01/06/12 17:33	95-50-1	
1,3-Dichlorobenzene	<40.8	ug/kg	348	40.8	2	01/04/12 12:50	01/06/12 17:33	541-73-1	
1,4-Dichlorobenzene	<44.8	ug/kg	348	44.8	2	01/04/12 12:50	01/06/12 17:33	106-46-7	
3,3'-Dichlorobenzidine	<25.2	ug/kg	348	25.2	2	01/04/12 12:50	01/06/12 17:33	91-94-1	
2,4-Dichlorophenol	<29.7	ug/kg	348	29.7	2	01/04/12 12:50	01/06/12 17:33	120-83-2	
Diethylphthalate	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	84-66-2	
2,4-Dimethylphenol	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	105-67-9	
Dimethylphthalate	<36.5	ug/kg	348	36.5	2	01/04/12 12:50	01/06/12 17:33	131-11-3	
Di-n-butylphthalate	<58.2	ug/kg	348	58.2	2	01/04/12 12:50	01/06/12 17:33	84-74-2	
4,6-Dinitro-2-methylphenol	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	534-52-1	
2,4-Dinitrophenol	<256	ug/kg	1390	256	2	01/04/12 12:50	01/06/12 17:33	51-28-5	



## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B1 3' Lab ID: 4055345002 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
<b>MICROWAVE</b>									
2,4-Dinitrotoluene	<27.3	ug/kg	348	27.3	2	01/04/12 12:50	01/06/12 17:33	121-14-2	
2,6-Dinitrotoluene	<40.2	ug/kg	348	40.2	2	01/04/12 12:50	01/06/12 17:33	606-20-2	
Di-n-octylphthalate	<38.0	ug/kg	348	38.0	2	01/04/12 12:50	01/06/12 17:33	117-84-0	
bis(2-Ethylhexyl)phthalate	<71.2	ug/kg	348	71.2	2	01/04/12 12:50	01/06/12 17:33	117-81-7	
Fluoranthene	483	ug/kg	348	61.5	2	01/04/12 12:50	01/06/12 17:33	206-44-0	
Fluorene	64.7J	ug/kg	348	17.5	2	01/04/12 12:50	01/06/12 17:33	86-73-7	
Hexachloro-1,3-butadiene	<44.7	ug/kg	348	44.7	2	01/04/12 12:50	01/06/12 17:33	87-68-3	
Hexachlorobenzene	<20.4	ug/kg	348	20.4	2	01/04/12 12:50	01/06/12 17:33	118-74-1	
Hexachlorocyclopentadiene	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	77-47-4	
Hexachloroethane	<44.0	ug/kg	348	44.0	2	01/04/12 12:50	01/06/12 17:33	67-72-1	
Indeno(1,2,3-cd)pyrene	326J	ug/kg	348	46.6	2	01/04/12 12:50	01/06/12 17:33	193-39-5	
Isophorone	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	78-59-1	
2-Methylnaphthalene	<38.3	ug/kg	348	38.3	2	01/04/12 12:50	01/06/12 17:33	91-57-6	
2-Methylphenol(o-Cresol)	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	95-48-7	
3&4-Methylphenol(m&p Cresol)	<36.2	ug/kg	348	36.2	2	01/04/12 12:50	01/06/12 17:33		
Naphthalene	<40.7	ug/kg	348	40.7	2	01/04/12 12:50	01/06/12 17:33	91-20-3	
2-Nitroaniline	<25.2	ug/kg	348	25.2	2	01/04/12 12:50	01/06/12 17:33	88-74-4	
3-Nitroaniline	<27.6	ug/kg	348	27.6	2	01/04/12 12:50	01/06/12 17:33	99-09-2	
4-Nitroaniline	<174	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	100-01-6	
Nitrobenzene	<39.9	ug/kg	348	39.9	2	01/04/12 12:50	01/06/12 17:33	98-95-3	
2-Nitrophenol	<41.6	ug/kg	348	41.6	2	01/04/12 12:50	01/06/12 17:33	88-75-5	
4-Nitrophenol	<68.6	ug/kg	348	68.6	2	01/04/12 12:50	01/06/12 17:33	100-02-7	
N-Nitroso-di-n-propylamine	<41.2	ug/kg	348	41.2	2	01/04/12 12:50	01/06/12 17:33	621-64-7	
N-Nitrosodiphenylamine	<47.8	ug/kg	348	47.8	2	01/04/12 12:50	01/06/12 17:33	86-30-6	
2,2'-Oxybis(1-chloropropane)	<44.5	ug/kg	348	44.5	2	01/04/12 12:50	01/06/12 17:33	108-60-1	
Pentachlorophenol	<174	ug/kg	688	174	2	01/04/12 12:50	01/06/12 17:33	87-86-5	
Phenanthrene	544	ug/kg	348	174	2	01/04/12 12:50	01/06/12 17:33	85-01-8	
Phenol	<41.3	ug/kg	348	41.3	2	01/04/12 12:50	01/06/12 17:33	108-95-2	D3
Pyrene	1340	ug/kg	348	84.7	2	01/04/12 12:50	01/06/12 17:33	129-00-0	
1,2,4-Trichlorobenzene	<19.2	ug/kg	348	19.2	2	01/04/12 12:50	01/06/12 17:33	120-82-1	
2,4,5-Trichlorophenol	<22.9	ug/kg	348	22.9	2	01/04/12 12:50	01/06/12 17:33	95-95-4	
2,4,6-Trichlorophenol	<38.4	ug/kg	348	38.4	2	01/04/12 12:50	01/06/12 17:33	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	78 %		44-130		2	01/04/12 12:50	01/06/12 17:33	4165-60-0	
2-Fluorobiphenyl (S)	85 %		43-130		2	01/04/12 12:50	01/06/12 17:33	321-60-8	
Terphenyl-d14 (S)	152 %		10-130		2	01/04/12 12:50	01/06/12 17:33	1718-51-0	S0
Phenol-d6 (S)	89 %		26-130		2	01/04/12 12:50	01/06/12 17:33	13127-88-3	
2-Fluorophenol (S)	72 %		20-130		2	01/04/12 12:50	01/06/12 17:33	367-12-4	
2,4,6-Tribromophenol (S)	78 %		11-130		2	01/04/12 12:50	01/06/12 17:33	118-79-6	

**8260 MSV Med Level Normal List**

Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	74-97-5	W

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B1 3' Lab ID: 4055345002 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	01/03/12 12:00	01/04/12 12:43	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	01/03/12 12:00	01/04/12 12:43	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	01/03/12 12:00	01/04/12 12:43	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	01/03/12 12:00	01/04/12 12:43	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	01/03/12 12:00	01/04/12 12:43	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	1634-04-4	W
Naphthalene	32.5J	ug/kg	62.6	26.1	1	01/03/12 12:00	01/04/12 12:43	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	127-18-4	W

### ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE  
Pace Project No.: 4055345

**Sample: B1 3'**      **Lab ID: 4055345002**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Toluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/03/12 12:00	01/04/12 12:43	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 12:43	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	92 %.		57-149		1	01/03/12 12:00	01/04/12 12:43	1868-53-7	
Toluene-d8 (S)	94 %.		55-152		1	01/03/12 12:00	01/04/12 12:43	2037-26-5	
4-Bromofluorobenzene (S)	88 %.		40-139		1	01/03/12 12:00	01/04/12 12:43	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.1 %		0.10	0.10	1		12/30/11 08:03		

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B1 7.5' Lab ID: 4055345003 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	12.4	mg/kg	2.1	0.15	1	01/04/12 15:45	01/05/12 19:01	7440-38-2	
Barium	13.3	mg/kg	0.53	0.042	1	01/04/12 15:45	01/05/12 19:01	7440-39-3	
Cadmium	0.29J	mg/kg	0.53	0.018	1	01/04/12 15:45	01/05/12 19:01	7440-43-9	
Chromium	5.9	mg/kg	0.53	0.069	1	01/04/12 15:45	01/05/12 19:01	7440-47-3	
Lead	31.4	mg/kg	1.1	0.15	1	01/04/12 15:45	01/05/12 19:01	7439-92-1	
Selenium	<0.31	mg/kg	2.1	0.31	1	01/04/12 15:45	01/05/12 19:01	7782-49-2	
Silver	<0.093	mg/kg	1.1	0.093	1	01/04/12 15:45	01/05/12 19:01	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.0089	mg/kg	0.0048	0.0023	1	01/12/12 09:36	01/12/12 13:42	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	83-32-9	
Acenaphthylene	<19.9	ug/kg	186	19.9	1	01/04/12 12:50	01/06/12 00:43	208-96-8	
Anthracene	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	120-12-7	
Benzo(a)anthracene	<20.9	ug/kg	186	20.9	1	01/04/12 12:50	01/06/12 00:43	56-55-3	
Benzo(a)pyrene	<22.5	ug/kg	186	22.5	1	01/04/12 12:50	01/06/12 00:43	50-32-8	
Benzo(b)fluoranthene	<21.9	ug/kg	186	21.9	1	01/04/12 12:50	01/06/12 00:43	205-99-2	
Benzo(g,h,i)perylene	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	191-24-2	
Benzo(k)fluoranthene	<29.3	ug/kg	186	29.3	1	01/04/12 12:50	01/06/12 00:43	207-08-9	
4-Bromophenylphenyl ether	<19.7	ug/kg	186	19.7	1	01/04/12 12:50	01/06/12 00:43	101-55-3	
Butylbenzylphthalate	<41.8	ug/kg	186	41.8	1	01/04/12 12:50	01/06/12 00:43	85-68-7	
Carbazole	<19.1	ug/kg	186	19.1	1	01/04/12 12:50	01/06/12 00:43	86-74-8	
4-Chloro-3-methylphenol	<18.9	ug/kg	186	18.9	1	01/04/12 12:50	01/06/12 00:43	59-50-7	
4-Chloroaniline	<92.7	ug/kg	371	92.7	1	01/04/12 12:50	01/06/12 00:43	106-47-8	
bis(2-Chloroethoxy)methane	<22.4	ug/kg	186	22.4	1	01/04/12 12:50	01/06/12 00:43	111-91-1	
bis(2-Chloroethyl) ether	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	111-44-4	
2-Chloronaphthalene	<19.3	ug/kg	186	19.3	1	01/04/12 12:50	01/06/12 00:43	91-58-7	
2-Chlorophenol	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	95-57-8	
4-Chlorophenylphenyl ether	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	7005-72-3	
Chrysene	<27.1	ug/kg	186	27.1	1	01/04/12 12:50	01/06/12 00:43	218-01-9	
Dibenz(a,h)anthracene	<34.0	ug/kg	186	34.0	1	01/04/12 12:50	01/06/12 00:43	53-70-3	
Dibenzofuran	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	132-64-9	
1,2-Dichlorobenzene	<21.2	ug/kg	186	21.2	1	01/04/12 12:50	01/06/12 00:43	95-50-1	
1,3-Dichlorobenzene	<21.8	ug/kg	186	21.8	1	01/04/12 12:50	01/06/12 00:43	541-73-1	
1,4-Dichlorobenzene	<23.9	ug/kg	186	23.9	1	01/04/12 12:50	01/06/12 00:43	106-46-7	
3,3'-Dichlorobenzidine	<13.5	ug/kg	186	13.5	1	01/04/12 12:50	01/06/12 00:43	91-94-1	
2,4-Dichlorophenol	<15.8	ug/kg	186	15.8	1	01/04/12 12:50	01/06/12 00:43	120-83-2	
Diethylphthalate	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	84-66-2	
2,4-Dimethylphenol	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	105-67-9	
Dimethylphthalate	<19.5	ug/kg	186	19.5	1	01/04/12 12:50	01/06/12 00:43	131-11-3	
Di-n-butylphthalate	<31.0	ug/kg	186	31.0	1	01/04/12 12:50	01/06/12 00:43	84-74-2	
4,6-Dinitro-2-methylphenol	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	534-52-1	
2,4-Dinitrophenol	<136	ug/kg	742	136	1	01/04/12 12:50	01/06/12 00:43	51-28-5	

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B1 7.5' Lab ID: 4055345003 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
<b>MICROWAVE</b>									
2,4-Dinitrotoluene	<14.6	ug/kg	186	14.6	1	01/04/12 12:50	01/06/12 00:43	121-14-2	
2,6-Dinitrotoluene	<21.4	ug/kg	186	21.4	1	01/04/12 12:50	01/06/12 00:43	606-20-2	
Di-n-octylphthalate	<20.3	ug/kg	186	20.3	1	01/04/12 12:50	01/06/12 00:43	117-84-0	
bis(2-Ethylhexyl)phthalate	<38.0	ug/kg	186	38.0	1	01/04/12 12:50	01/06/12 00:43	117-81-7	
Fluoranthene	<32.8	ug/kg	186	32.8	1	01/04/12 12:50	01/06/12 00:43	206-44-0	
Fluorene	<9.3	ug/kg	186	9.3	1	01/04/12 12:50	01/06/12 00:43	86-73-7	
Hexachloro-1,3-butadiene	<23.9	ug/kg	186	23.9	1	01/04/12 12:50	01/06/12 00:43	87-68-3	
Hexachlorobenzene	<10.9	ug/kg	186	10.9	1	01/04/12 12:50	01/06/12 00:43	118-74-1	
Hexachlorocyclopentadiene	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	77-47-4	
Hexachloroethane	<23.5	ug/kg	186	23.5	1	01/04/12 12:50	01/06/12 00:43	67-72-1	
Indeno(1,2,3-cd)pyrene	<24.9	ug/kg	186	24.9	1	01/04/12 12:50	01/06/12 00:43	193-39-5	
Isophorone	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	78-59-1	
2-Methylnaphthalene	<20.5	ug/kg	186	20.5	1	01/04/12 12:50	01/06/12 00:43	91-57-6	
2-Methylphenol(o-Cresol)	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	<19.3	ug/kg	186	19.3	1	01/04/12 12:50	01/06/12 00:43		
Naphthalene	<21.7	ug/kg	186	21.7	1	01/04/12 12:50	01/06/12 00:43	91-20-3	
2-Nitroaniline	<13.4	ug/kg	186	13.4	1	01/04/12 12:50	01/06/12 00:43	88-74-4	
3-Nitroaniline	<14.7	ug/kg	186	14.7	1	01/04/12 12:50	01/06/12 00:43	99-09-2	
4-Nitroaniline	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	100-01-6	
Nitrobenzene	<21.3	ug/kg	186	21.3	1	01/04/12 12:50	01/06/12 00:43	98-95-3	
2-Nitrophenol	<22.2	ug/kg	186	22.2	1	01/04/12 12:50	01/06/12 00:43	88-75-5	
4-Nitrophenol	<36.6	ug/kg	186	36.6	1	01/04/12 12:50	01/06/12 00:43	100-02-7	
N-Nitroso-di-n-propylamine	<22.0	ug/kg	186	22.0	1	01/04/12 12:50	01/06/12 00:43	621-64-7	
N-Nitrosodiphenylamine	<25.5	ug/kg	186	25.5	1	01/04/12 12:50	01/06/12 00:43	86-30-6	
2,2'-Oxybis(1-chloropropane)	<23.7	ug/kg	186	23.7	1	01/04/12 12:50	01/06/12 00:43	108-60-1	
Pentachlorophenol	<92.7	ug/kg	367	92.7	1	01/04/12 12:50	01/06/12 00:43	87-86-5	
Phenanthrene	<92.7	ug/kg	186	92.7	1	01/04/12 12:50	01/06/12 00:43	85-01-8	
Phenol	<22.0	ug/kg	186	22.0	1	01/04/12 12:50	01/06/12 00:43	108-95-2	
Pyrene	<45.2	ug/kg	186	45.2	1	01/04/12 12:50	01/06/12 00:43	129-00-0	
1,2,4-Trichlorobenzene	<10.3	ug/kg	186	10.3	1	01/04/12 12:50	01/06/12 00:43	120-82-1	
2,4,5-Trichlorophenol	<12.2	ug/kg	186	12.2	1	01/04/12 12:50	01/06/12 00:43	95-95-4	
2,4,6-Trichlorophenol	<20.5	ug/kg	186	20.5	1	01/04/12 12:50	01/06/12 00:43	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	81 %		44-130		1	01/04/12 12:50	01/06/12 00:43	4165-60-0	
2-Fluorobiphenyl (S)	81 %		43-130		1	01/04/12 12:50	01/06/12 00:43	321-60-8	
Terphenyl-d14 (S)	88 %		10-130		1	01/04/12 12:50	01/06/12 00:43	1718-51-0	
Phenol-d6 (S)	72 %		26-130		1	01/04/12 12:50	01/06/12 00:43	13127-88-3	
2-Fluorophenol (S)	69 %		20-130		1	01/04/12 12:50	01/06/12 00:43	367-12-4	
2,4,6-Tribromophenol (S)	73 %		11-130		1	01/04/12 12:50	01/06/12 00:43	118-79-6	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	74-97-5	W



## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B1 7.5' Lab ID: 4055345003 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	01/03/12 12:00	01/04/12 13:06	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	01/03/12 12:00	01/04/12 13:06	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	01/03/12 12:00	01/04/12 13:06	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	01/03/12 12:00	01/04/12 13:06	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	01/03/12 12:00	01/04/12 13:06	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	127-18-4	W



### ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE  
Pace Project No.: 4055345

**Sample: B1 7.5'**      **Lab ID: 4055345003**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Toluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/03/12 12:00	01/04/12 13:06	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:06	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	94 %.		57-149		1	01/03/12 12:00	01/04/12 13:06	1868-53-7	
Toluene-d8 (S)	93 %.		55-152		1	01/03/12 12:00	01/04/12 13:06	2037-26-5	
4-Bromofluorobenzene (S)	87 %.		40-139		1	01/03/12 12:00	01/04/12 13:06	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	10.1 %		0.10	0.10	1		12/30/11 08:03		

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B2 1' Lab ID: 4055345004 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	4.3	mg/kg	2.0	0.15	1	01/04/12 15:45	01/05/12 19:05	7440-38-2	
Barium	64.0	mg/kg	0.51	0.040	1	01/04/12 15:45	01/05/12 19:05	7440-39-3	
Cadmium	0.29J	mg/kg	0.51	0.017	1	01/04/12 15:45	01/05/12 19:05	7440-43-9	
Chromium	19.9	mg/kg	0.51	0.066	1	01/04/12 15:45	01/05/12 19:05	7440-47-3	
Lead	26.5	mg/kg	1.0	0.14	1	01/04/12 15:45	01/05/12 19:05	7439-92-1	
Selenium	<0.30	mg/kg	2.0	0.30	1	01/04/12 15:45	01/05/12 19:05	7782-49-2	
Silver	<0.089	mg/kg	1.0	0.089	1	01/04/12 15:45	01/05/12 19:05	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.022	mg/kg	0.0049	0.0023	1	01/12/12 09:36	01/12/12 13:44	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	83-32-9	
Acenaphthylene	<76.8	ug/kg	717	76.8	2	01/04/12 12:50	01/06/12 19:10	208-96-8	
Anthracene	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	120-12-7	
Benzo(a)anthracene	149J	ug/kg	717	80.6	2	01/04/12 12:50	01/06/12 19:10	56-55-3	
Benzo(a)pyrene	450J	ug/kg	717	86.8	2	01/04/12 12:50	01/06/12 19:10	50-32-8	
Benzo(b)fluoranthene	319J	ug/kg	717	84.5	2	01/04/12 12:50	01/06/12 19:10	205-99-2	
Benzo(g,h,i)perylene	595J	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	191-24-2	
Benzo(k)fluoranthene	400J	ug/kg	717	113	2	01/04/12 12:50	01/06/12 19:10	207-08-9	
4-Bromophenylphenyl ether	<75.9	ug/kg	717	75.9	2	01/04/12 12:50	01/06/12 19:10	101-55-3	
Butylbenzylphthalate	<161	ug/kg	717	161	2	01/04/12 12:50	01/06/12 19:10	85-68-7	
Carbazole	<73.8	ug/kg	717	73.8	2	01/04/12 12:50	01/06/12 19:10	86-74-8	
4-Chloro-3-methylphenol	<73.1	ug/kg	717	73.1	2	01/04/12 12:50	01/06/12 19:10	59-50-7	
4-Chloroaniline	<358	ug/kg	1430	358	2	01/04/12 12:50	01/06/12 19:10	106-47-8	
bis(2-Chloroethoxy)methane	<86.4	ug/kg	717	86.4	2	01/04/12 12:50	01/06/12 19:10	111-91-1	
bis(2-Chloroethyl) ether	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	111-44-4	
2-Chloronaphthalene	<74.5	ug/kg	717	74.5	2	01/04/12 12:50	01/06/12 19:10	91-58-7	
2-Chlorophenol	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	95-57-8	
4-Chlorophenylphenyl ether	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	7005-72-3	
Chrysene	287J	ug/kg	717	104	2	01/04/12 12:50	01/06/12 19:10	218-01-9	
Dibenz(a,h)anthracene	<131	ug/kg	717	131	2	01/04/12 12:50	01/06/12 19:10	53-70-3	
Dibenzofuran	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	132-64-9	
1,2-Dichlorobenzene	<81.8	ug/kg	717	81.8	2	01/04/12 12:50	01/06/12 19:10	95-50-1	
1,3-Dichlorobenzene	<84.0	ug/kg	717	84.0	2	01/04/12 12:50	01/06/12 19:10	541-73-1	
1,4-Dichlorobenzene	<92.2	ug/kg	717	92.2	2	01/04/12 12:50	01/06/12 19:10	106-46-7	
3,3'-Dichlorobenzidine	<51.9	ug/kg	717	51.9	2	01/04/12 12:50	01/06/12 19:10	91-94-1	
2,4-Dichlorophenol	<61.1	ug/kg	717	61.1	2	01/04/12 12:50	01/06/12 19:10	120-83-2	
Diethylphthalate	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	84-66-2	
2,4-Dimethylphenol	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	105-67-9	
Dimethylphthalate	<75.1	ug/kg	717	75.1	2	01/04/12 12:50	01/06/12 19:10	131-11-3	
Di-n-butylphthalate	<120	ug/kg	717	120	2	01/04/12 12:50	01/06/12 19:10	84-74-2	
4,6-Dinitro-2-methylphenol	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	534-52-1	
2,4-Dinitrophenol	<526	ug/kg	2860	526	2	01/04/12 12:50	01/06/12 19:10	51-28-5	

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

**Sample: B2 1'**      **Lab ID: 4055345004**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>									
Analytical Method: EPA 8270    Preparation Method: EPA 3546									
<b>MICROWAVE</b>									
2,4-Dinitrotoluene	<56.2	ug/kg	717	56.2	2	01/04/12 12:50	01/06/12 19:10	121-14-2	
2,6-Dinitrotoluene	<82.7	ug/kg	717	82.7	2	01/04/12 12:50	01/06/12 19:10	606-20-2	
Di-n-octylphthalate	<78.2	ug/kg	717	78.2	2	01/04/12 12:50	01/06/12 19:10	117-84-0	
bis(2-Ethylhexyl)phthalate	<147	ug/kg	717	147	2	01/04/12 12:50	01/06/12 19:10	117-81-7	
Fluoranthene	<127	ug/kg	717	127	2	01/04/12 12:50	01/06/12 19:10	206-44-0	
Fluorene	<36.0	ug/kg	717	36.0	2	01/04/12 12:50	01/06/12 19:10	86-73-7	
Hexachloro-1,3-butadiene	<92.1	ug/kg	717	92.1	2	01/04/12 12:50	01/06/12 19:10	87-68-3	
Hexachlorobenzene	<42.1	ug/kg	717	42.1	2	01/04/12 12:50	01/06/12 19:10	118-74-1	
Hexachlorocyclopentadiene	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	77-47-4	
Hexachloroethane	<90.6	ug/kg	717	90.6	2	01/04/12 12:50	01/06/12 19:10	67-72-1	
Indeno(1,2,3-cd)pyrene	544J	ug/kg	717	96.0	2	01/04/12 12:50	01/06/12 19:10	193-39-5	
Isophorone	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	78-59-1	
2-Methylnaphthalene	<78.9	ug/kg	717	78.9	2	01/04/12 12:50	01/06/12 19:10	91-57-6	
2-Methylphenol(o-Cresol)	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	95-48-7	
3&4-Methylphenol(m&p Cresol)	<74.6	ug/kg	717	74.6	2	01/04/12 12:50	01/06/12 19:10		
Naphthalene	<83.7	ug/kg	717	83.7	2	01/04/12 12:50	01/06/12 19:10	91-20-3	
2-Nitroaniline	<51.8	ug/kg	717	51.8	2	01/04/12 12:50	01/06/12 19:10	88-74-4	
3-Nitroaniline	<56.7	ug/kg	717	56.7	2	01/04/12 12:50	01/06/12 19:10	99-09-2	
4-Nitroaniline	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	100-01-6	
Nitrobenzene	<82.2	ug/kg	717	82.2	2	01/04/12 12:50	01/06/12 19:10	98-95-3	
2-Nitrophenol	<85.6	ug/kg	717	85.6	2	01/04/12 12:50	01/06/12 19:10	88-75-5	
4-Nitrophenol	<141	ug/kg	717	141	2	01/04/12 12:50	01/06/12 19:10	100-02-7	
N-Nitroso-di-n-propylamine	<84.9	ug/kg	717	84.9	2	01/04/12 12:50	01/06/12 19:10	621-64-7	
N-Nitrosodiphenylamine	<98.3	ug/kg	717	98.3	2	01/04/12 12:50	01/06/12 19:10	86-30-6	
2,2'-Oxybis(1-chloropropane)	<91.6	ug/kg	717	91.6	2	01/04/12 12:50	01/06/12 19:10	108-60-1	
Pentachlorophenol	<358	ug/kg	1420	358	2	01/04/12 12:50	01/06/12 19:10	87-86-5	
Phenanthrene	<358	ug/kg	717	358	2	01/04/12 12:50	01/06/12 19:10	85-01-8	
Phenol	<85.0	ug/kg	717	85.0	2	01/04/12 12:50	01/06/12 19:10	108-95-2	D3
Pyrene	397J	ug/kg	717	174	2	01/04/12 12:50	01/06/12 19:10	129-00-0	
1,2,4-Trichlorobenzene	<39.6	ug/kg	717	39.6	2	01/04/12 12:50	01/06/12 19:10	120-82-1	
2,4,5-Trichlorophenol	<47.1	ug/kg	717	47.1	2	01/04/12 12:50	01/06/12 19:10	95-95-4	
2,4,6-Trichlorophenol	<79.0	ug/kg	717	79.0	2	01/04/12 12:50	01/06/12 19:10	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	80 %		44-130		2	01/04/12 12:50	01/06/12 19:10	4165-60-0	
2-Fluorobiphenyl (S)	101 %		43-130		2	01/04/12 12:50	01/06/12 19:10	321-60-8	
Terphenyl-d14 (S)	117 %		10-130		2	01/04/12 12:50	01/06/12 19:10	1718-51-0	
Phenol-d6 (S)	86 %		26-130		2	01/04/12 12:50	01/06/12 19:10	13127-88-3	
2-Fluorophenol (S)	68 %		20-130		2	01/04/12 12:50	01/06/12 19:10	367-12-4	
2,4,6-Tribromophenol (S)	51 %		11-130		2	01/04/12 12:50	01/06/12 19:10	118-79-6	

**8260 MSV Med Level Normal List**

Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	74-97-5	W

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B2 1' Lab ID: 4055345004 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	01/03/12 12:00	01/04/12 16:55	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	01/03/12 12:00	01/04/12 16:55	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	01/03/12 12:00	01/04/12 16:55	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	01/03/12 12:00	01/04/12 16:55	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	01/03/12 12:00	01/04/12 16:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	127-18-4	W

Date: 01/13/2012 10:17 AM

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

**Sample: B2 1'**      **Lab ID: 4055345004**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Toluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/03/12 12:00	01/04/12 16:55	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 16:55	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	88 %		57-149		1	01/03/12 12:00	01/04/12 16:55	1868-53-7	
Toluene-d8 (S)	90 %		55-152		1	01/03/12 12:00	01/04/12 16:55	2037-26-5	
4-Bromofluorobenzene (S)	84 %		40-139		1	01/03/12 12:00	01/04/12 16:55	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>6.8 %</b>		0.10	0.10	1		12/30/11 08:03		

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B2 5' Lab ID: 4055345005 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.8	mg/kg	2.4	0.17	1	01/04/12 15:45	01/05/12 19:09	7440-38-2	
Barium	79.9	mg/kg	0.60	0.047	1	01/04/12 15:45	01/05/12 19:09	7440-39-3	
Cadmium	0.31J	mg/kg	0.60	0.020	1	01/04/12 15:45	01/05/12 19:09	7440-43-9	
Chromium	17.5	mg/kg	0.60	0.078	1	01/04/12 15:45	01/05/12 19:09	7440-47-3	
Lead	34.5	mg/kg	1.2	0.16	1	01/04/12 15:45	01/05/12 19:09	7439-92-1	
Selenium	<0.35	mg/kg	2.4	0.35	1	01/04/12 15:45	01/05/12 19:09	7782-49-2	
Silver	<0.10	mg/kg	1.2	0.10	1	01/04/12 15:45	01/05/12 19:09	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.030	mg/kg	0.0048	0.0023	1	01/12/12 09:36	01/12/12 13:46	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	83-32-9	
Acenaphthylene	<182	ug/kg	1700	182	4	01/04/12 12:50	01/06/12 18:05	208-96-8	
Anthracene	1190J	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	120-12-7	
Benzo(a)anthracene	3960	ug/kg	1700	191	4	01/04/12 12:50	01/06/12 18:05	56-55-3	
Benzo(a)pyrene	4990	ug/kg	1700	206	4	01/04/12 12:50	01/06/12 18:05	50-32-8	
Benzo(b)fluoranthene	5200	ug/kg	1700	200	4	01/04/12 12:50	01/06/12 18:05	205-99-2	
Benzo(g,h,i)perylene	3440	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	191-24-2	
Benzo(k)fluoranthene	5070	ug/kg	1700	268	4	01/04/12 12:50	01/06/12 18:05	207-08-9	
4-Bromophenylphenyl ether	<180	ug/kg	1700	180	4	01/04/12 12:50	01/06/12 18:05	101-55-3	
Butylbenzylphthalate	<382	ug/kg	1700	382	4	01/04/12 12:50	01/06/12 18:05	85-68-7	
Carbazole	922J	ug/kg	1700	175	4	01/04/12 12:50	01/06/12 18:05	86-74-8	
4-Chloro-3-methylphenol	<173	ug/kg	1700	173	4	01/04/12 12:50	01/06/12 18:05	59-50-7	
4-Chloroaniline	<848	ug/kg	3390	848	4	01/04/12 12:50	01/06/12 18:05	106-47-8	
bis(2-Chloroethoxy)methane	<205	ug/kg	1700	205	4	01/04/12 12:50	01/06/12 18:05	111-91-1	
bis(2-Chloroethyl) ether	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	111-44-4	
2-Chloronaphthalene	<177	ug/kg	1700	177	4	01/04/12 12:50	01/06/12 18:05	91-58-7	
2-Chlorophenol	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	95-57-8	
4-Chlorophenylphenyl ether	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	7005-72-3	
Chrysene	5690	ug/kg	1700	248	4	01/04/12 12:50	01/06/12 18:05	218-01-9	
Dibenz(a,h)anthracene	1380J	ug/kg	1700	311	4	01/04/12 12:50	01/06/12 18:05	53-70-3	
Dibenzofuran	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	132-64-9	
1,2-Dichlorobenzene	<194	ug/kg	1700	194	4	01/04/12 12:50	01/06/12 18:05	95-50-1	
1,3-Dichlorobenzene	<199	ug/kg	1700	199	4	01/04/12 12:50	01/06/12 18:05	541-73-1	
1,4-Dichlorobenzene	<219	ug/kg	1700	219	4	01/04/12 12:50	01/06/12 18:05	106-46-7	
3,3'-Dichlorobenzidine	<123	ug/kg	1700	123	4	01/04/12 12:50	01/06/12 18:05	91-94-1	
2,4-Dichlorophenol	<145	ug/kg	1700	145	4	01/04/12 12:50	01/06/12 18:05	120-83-2	
Diethylphthalate	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	84-66-2	
2,4-Dimethylphenol	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	105-67-9	
Dimethylphthalate	<178	ug/kg	1700	178	4	01/04/12 12:50	01/06/12 18:05	131-11-3	
Di-n-butylphthalate	<284	ug/kg	1700	284	4	01/04/12 12:50	01/06/12 18:05	84-74-2	
4,6-Dinitro-2-methylphenol	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	534-52-1	
2,4-Dinitrophenol	<1250	ug/kg	6790	1250	4	01/04/12 12:50	01/06/12 18:05	51-28-5	



## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B2 5' Lab ID: 4055345005 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
<b>MICROWAVE</b>									
2,4-Dinitrotoluene	<133	ug/kg	1700	133	4	01/04/12 12:50	01/06/12 18:05	121-14-2	
2,6-Dinitrotoluene	<196	ug/kg	1700	196	4	01/04/12 12:50	01/06/12 18:05	606-20-2	
Di-n-octylphthalate	<185	ug/kg	1700	185	4	01/04/12 12:50	01/06/12 18:05	117-84-0	
bis(2-Ethylhexyl)phthalate	2050	ug/kg	1700	347	4	01/04/12 12:50	01/06/12 18:05	117-81-7	
Fluoranthene	8880	ug/kg	1700	300	4	01/04/12 12:50	01/06/12 18:05	206-44-0	
Fluorene	1020J	ug/kg	1700	85.4	4	01/04/12 12:50	01/06/12 18:05	86-73-7	
Hexachloro-1,3-butadiene	<218	ug/kg	1700	218	4	01/04/12 12:50	01/06/12 18:05	87-68-3	
Hexachlorobenzene	<99.8	ug/kg	1700	99.8	4	01/04/12 12:50	01/06/12 18:05	118-74-1	
Hexachlorocyclopentadiene	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	77-47-4	
Hexachloroethane	<215	ug/kg	1700	215	4	01/04/12 12:50	01/06/12 18:05	67-72-1	
Indeno(1,2,3-cd)pyrene	3520	ug/kg	1700	228	4	01/04/12 12:50	01/06/12 18:05	193-39-5	
Isophorone	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	78-59-1	
2-Methylnaphthalene	266J	ug/kg	1700	187	4	01/04/12 12:50	01/06/12 18:05	91-57-6	
2-Methylphenol(o-Cresol)	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	<177	ug/kg	1700	177	4	01/04/12 12:50	01/06/12 18:05		
Naphthalene	280J	ug/kg	1700	199	4	01/04/12 12:50	01/06/12 18:05	91-20-3	
2-Nitroaniline	<123	ug/kg	1700	123	4	01/04/12 12:50	01/06/12 18:05	88-74-4	
3-Nitroaniline	<134	ug/kg	1700	134	4	01/04/12 12:50	01/06/12 18:05	99-09-2	
4-Nitroaniline	<848	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	100-01-6	
Nitrobenzene	<195	ug/kg	1700	195	4	01/04/12 12:50	01/06/12 18:05	98-95-3	
2-Nitrophenol	<203	ug/kg	1700	203	4	01/04/12 12:50	01/06/12 18:05	88-75-5	
4-Nitrophenol	<335	ug/kg	1700	335	4	01/04/12 12:50	01/06/12 18:05	100-02-7	
N-Nitroso-di-n-propylamine	<201	ug/kg	1700	201	4	01/04/12 12:50	01/06/12 18:05	621-64-7	
N-Nitrosodiphenylamine	<233	ug/kg	1700	233	4	01/04/12 12:50	01/06/12 18:05	86-30-6	
2,2'-Oxybis(1-chloropropane)	<217	ug/kg	1700	217	4	01/04/12 12:50	01/06/12 18:05	108-60-1	
Pentachlorophenol	<848	ug/kg	3360	848	4	01/04/12 12:50	01/06/12 18:05	87-86-5	
Phenanthrene	8380	ug/kg	1700	848	4	01/04/12 12:50	01/06/12 18:05	85-01-8	
Phenol	<202	ug/kg	1700	202	4	01/04/12 12:50	01/06/12 18:05	108-95-2	
Pyrene	17000	ug/kg	1700	413	4	01/04/12 12:50	01/06/12 18:05	129-00-0	
1,2,4-Trichlorobenzene	<93.8	ug/kg	1700	93.8	4	01/04/12 12:50	01/06/12 18:05	120-82-1	
2,4,5-Trichlorophenol	<112	ug/kg	1700	112	4	01/04/12 12:50	01/06/12 18:05	95-95-4	
2,4,6-Trichlorophenol	<187	ug/kg	1700	187	4	01/04/12 12:50	01/06/12 18:05	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	70 %		44-130		4	01/04/12 12:50	01/06/12 18:05	4165-60-0	
2-Fluorobiphenyl (S)	82 %		43-130		4	01/04/12 12:50	01/06/12 18:05	321-60-8	
Terphenyl-d14 (S)	131 %		10-130		4	01/04/12 12:50	01/06/12 18:05	1718-51-0	S0
Phenol-d6 (S)	68 %		26-130		4	01/04/12 12:50	01/06/12 18:05	13127-88-3	
2-Fluorophenol (S)	58 %		20-130		4	01/04/12 12:50	01/06/12 18:05	367-12-4	
2,4,6-Tribromophenol (S)	75 %		11-130		4	01/04/12 12:50	01/06/12 18:05	118-79-6	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	74-97-5	W

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B2 5' Lab ID: 4055345005 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	01/03/12 12:00	01/04/12 13:28	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	01/03/12 12:00	01/04/12 13:28	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	01/03/12 12:00	01/04/12 13:28	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	01/03/12 12:00	01/04/12 13:28	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	01/03/12 12:00	01/04/12 13:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	127-18-4	W

Date: 01/13/2012 10:17 AM

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

**Sample: B2 5'**      **Lab ID: 4055345005**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Toluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/03/12 12:00	01/04/12 13:28	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:28	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	90 %.		57-149		1	01/03/12 12:00	01/04/12 13:28	1868-53-7	
Toluene-d8 (S)	94 %.		55-152		1	01/03/12 12:00	01/04/12 13:28	2037-26-5	
4-Bromofluorobenzene (S)	91 %.		40-139		1	01/03/12 12:00	01/04/12 13:28	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	21.4 %		0.10	0.10	1		12/30/11 08:03		

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B3 1' Lab ID: 4055345006 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.6	mg/kg	2.1	0.15	1	01/04/12 15:45	01/05/12 19:13	7440-38-2	
Barium	12.0	mg/kg	0.52	0.041	1	01/04/12 15:45	01/05/12 19:13	7440-39-3	
Cadmium	0.10J	mg/kg	0.52	0.018	1	01/04/12 15:45	01/05/12 19:13	7440-43-9	
Chromium	7.6	mg/kg	0.52	0.068	1	01/04/12 15:45	01/05/12 19:13	7440-47-3	
Lead	4.7	mg/kg	1.0	0.14	1	01/04/12 15:45	01/05/12 19:13	7439-92-1	
Selenium	<0.31	mg/kg	2.1	0.31	1	01/04/12 15:45	01/05/12 19:13	7782-49-2	
Silver	<0.091	mg/kg	1.0	0.091	1	01/04/12 15:45	01/05/12 19:13	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.0063	mg/kg	0.0049	0.0023	1	01/12/12 09:36	01/12/12 13:48	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	83-32-9	
Acenaphthylene	<405	ug/kg	3780	405	4	01/04/12 12:50	01/06/12 19:43	208-96-8	
Anthracene	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	120-12-7	
Benzo(a)anthracene	560J	ug/kg	3780	425	4	01/04/12 12:50	01/06/12 19:43	56-55-3	
Benzo(a)pyrene	1770J	ug/kg	3780	458	4	01/04/12 12:50	01/06/12 19:43	50-32-8	
Benzo(b)fluoranthene	<446	ug/kg	3780	446	4	01/04/12 12:50	01/06/12 19:43	205-99-2	
Benzo(g,h,i)perylene	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	191-24-2	
Benzo(k)fluoranthene	<596	ug/kg	3780	596	4	01/04/12 12:50	01/06/12 19:43	207-08-9	
4-Bromophenylphenyl ether	<400	ug/kg	3780	400	4	01/04/12 12:50	01/06/12 19:43	101-55-3	
Butylbenzylphthalate	<850	ug/kg	3780	850	4	01/04/12 12:50	01/06/12 19:43	85-68-7	
Carbazole	<390	ug/kg	3780	390	4	01/04/12 12:50	01/06/12 19:43	86-74-8	
4-Chloro-3-methylphenol	<386	ug/kg	3780	386	4	01/04/12 12:50	01/06/12 19:43	59-50-7	
4-Chloroaniline	<1890	ug/kg	7540	1890	4	01/04/12 12:50	01/06/12 19:43	106-47-8	
bis(2-Chloroethoxy)methane	<456	ug/kg	3780	456	4	01/04/12 12:50	01/06/12 19:43	111-91-1	
bis(2-Chloroethyl) ether	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	111-44-4	
2-Chloronaphthalene	<393	ug/kg	3780	393	4	01/04/12 12:50	01/06/12 19:43	91-58-7	
2-Chlorophenol	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	95-57-8	
4-Chlorophenylphenyl ether	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	7005-72-3	
Chrysene	827J	ug/kg	3780	551	4	01/04/12 12:50	01/06/12 19:43	218-01-9	
Dibenz(a,h)anthracene	<692	ug/kg	3780	692	4	01/04/12 12:50	01/06/12 19:43	53-70-3	
Dibenzofuran	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	132-64-9	
1,2-Dichlorobenzene	<432	ug/kg	3780	432	4	01/04/12 12:50	01/06/12 19:43	95-50-1	
1,3-Dichlorobenzene	<443	ug/kg	3780	443	4	01/04/12 12:50	01/06/12 19:43	541-73-1	
1,4-Dichlorobenzene	<487	ug/kg	3780	487	4	01/04/12 12:50	01/06/12 19:43	106-46-7	
3,3'-Dichlorobenzidine	<274	ug/kg	3780	274	4	01/04/12 12:50	01/06/12 19:43	91-94-1	
2,4-Dichlorophenol	<323	ug/kg	3780	323	4	01/04/12 12:50	01/06/12 19:43	120-83-2	
Diethylphthalate	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	84-66-2	
2,4-Dimethylphenol	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	105-67-9	
Dimethylphthalate	<396	ug/kg	3780	396	4	01/04/12 12:50	01/06/12 19:43	131-11-3	
Di-n-butylphthalate	<632	ug/kg	3780	632	4	01/04/12 12:50	01/06/12 19:43	84-74-2	
4,6-Dinitro-2-methylphenol	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	534-52-1	
2,4-Dinitrophenol	<2770	ug/kg	15100	2770	4	01/04/12 12:50	01/06/12 19:43	51-28-5	

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B3 1' Lab ID: 4055345006 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
<b>MICROWAVE</b>									
2,4-Dinitrotoluene	<297	ug/kg	3780	297	4	01/04/12 12:50	01/06/12 19:43	121-14-2	
2,6-Dinitrotoluene	<436	ug/kg	3780	436	4	01/04/12 12:50	01/06/12 19:43	606-20-2	
Di-n-octylphthalate	<413	ug/kg	3780	413	4	01/04/12 12:50	01/06/12 19:43	117-84-0	
bis(2-Ethylhexyl)phthalate	<773	ug/kg	3780	773	4	01/04/12 12:50	01/06/12 19:43	117-81-7	
Fluoranthene	<668	ug/kg	3780	668	4	01/04/12 12:50	01/06/12 19:43	206-44-0	
Fluorene	<190	ug/kg	3780	190	4	01/04/12 12:50	01/06/12 19:43	86-73-7	
Hexachloro-1,3-butadiene	<486	ug/kg	3780	486	4	01/04/12 12:50	01/06/12 19:43	87-68-3	
Hexachlorobenzene	<222	ug/kg	3780	222	4	01/04/12 12:50	01/06/12 19:43	118-74-1	
Hexachlorocyclopentadiene	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	77-47-4	
Hexachloroethane	<478	ug/kg	3780	478	4	01/04/12 12:50	01/06/12 19:43	67-72-1	
Indeno(1,2,3-cd)pyrene	1820J	ug/kg	3780	506	4	01/04/12 12:50	01/06/12 19:43	193-39-5	
Isophorone	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	78-59-1	
2-Methylnaphthalene	<416	ug/kg	3780	416	4	01/04/12 12:50	01/06/12 19:43	91-57-6	
2-Methylphenol(o-Cresol)	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	<394	ug/kg	3780	394	4	01/04/12 12:50	01/06/12 19:43		
Naphthalene	<442	ug/kg	3780	442	4	01/04/12 12:50	01/06/12 19:43	91-20-3	
2-Nitroaniline	<274	ug/kg	3780	274	4	01/04/12 12:50	01/06/12 19:43	88-74-4	
3-Nitroaniline	<299	ug/kg	3780	299	4	01/04/12 12:50	01/06/12 19:43	99-09-2	
4-Nitroaniline	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	100-01-6	
Nitrobenzene	<434	ug/kg	3780	434	4	01/04/12 12:50	01/06/12 19:43	98-95-3	
2-Nitrophenol	<452	ug/kg	3780	452	4	01/04/12 12:50	01/06/12 19:43	88-75-5	
4-Nitrophenol	<745	ug/kg	3780	745	4	01/04/12 12:50	01/06/12 19:43	100-02-7	
N-Nitroso-di-n-propylamine	<448	ug/kg	3780	448	4	01/04/12 12:50	01/06/12 19:43	621-64-7	
N-Nitrosodiphenylamine	<519	ug/kg	3780	519	4	01/04/12 12:50	01/06/12 19:43	86-30-6	
2,2'-Oxybis(1-chloropropane)	<483	ug/kg	3780	483	4	01/04/12 12:50	01/06/12 19:43	108-60-1	
Pentachlorophenol	<1890	ug/kg	7470	1890	4	01/04/12 12:50	01/06/12 19:43	87-86-5	
Phenanthrene	<1890	ug/kg	3780	1890	4	01/04/12 12:50	01/06/12 19:43	85-01-8	
Phenol	<449	ug/kg	3780	449	4	01/04/12 12:50	01/06/12 19:43	108-95-2	D3
Pyrene	<919	ug/kg	3780	919	4	01/04/12 12:50	01/06/12 19:43	129-00-0	
1,2,4-Trichlorobenzene	<209	ug/kg	3780	209	4	01/04/12 12:50	01/06/12 19:43	120-82-1	
2,4,5-Trichlorophenol	<249	ug/kg	3780	249	4	01/04/12 12:50	01/06/12 19:43	95-95-4	
2,4,6-Trichlorophenol	<417	ug/kg	3780	417	4	01/04/12 12:50	01/06/12 19:43	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	81 %		44-130		4	01/04/12 12:50	01/06/12 19:43	4165-60-0	
2-Fluorobiphenyl (S)	104 %		43-130		4	01/04/12 12:50	01/06/12 19:43	321-60-8	
Terphenyl-d14 (S)	143 %		10-130		4	01/04/12 12:50	01/06/12 19:43	1718-51-0	S3
Phenol-d6 (S)	77 %		26-130		4	01/04/12 12:50	01/06/12 19:43	13127-88-3	
2-Fluorophenol (S)	66 %		20-130		4	01/04/12 12:50	01/06/12 19:43	367-12-4	
2,4,6-Tribromophenol (S)	65 %		11-130		4	01/04/12 12:50	01/06/12 19:43	118-79-6	
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	71-43-2	W
Bromobenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	108-86-1	W
Bromochloromethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	74-97-5	W



## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B3 1' Lab ID: 4055345006 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromodichloromethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	75-27-4	W
Bromoform	<129	ug/kg	300	129	5	01/03/12 12:00	01/04/12 18:04	75-25-2	W
Bromomethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	74-83-9	W
n-Butylbenzene	<202	ug/kg	300	202	5	01/03/12 12:00	01/04/12 18:04	104-51-8	W
sec-Butylbenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	135-98-8	W
tert-Butylbenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	98-06-6	W
Carbon tetrachloride	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	56-23-5	W
Chlorobenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	108-90-7	W
Chloroethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	75-00-3	W
Chloroform	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	67-66-3	W
Chloromethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	74-87-3	W
2-Chlorotoluene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	95-49-8	W
4-Chlorotoluene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	106-43-4	W
1,2-Dibromo-3-chloropropane	<412	ug/kg	1250	412	5	01/03/12 12:00	01/04/12 18:04	96-12-8	W
Dibromochloromethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	124-48-1	W
1,2-Dibromoethane (EDB)	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	106-93-4	W
Dibromomethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	74-95-3	W
1,2-Dichlorobenzene	<222	ug/kg	300	222	5	01/03/12 12:00	01/04/12 18:04	95-50-1	W
1,3-Dichlorobenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	541-73-1	W
1,4-Dichlorobenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	106-46-7	W
Dichlorodifluoromethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	75-71-8	W
1,1-Dichloroethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	75-34-3	W
1,2-Dichloroethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	107-06-2	W
1,1-Dichloroethene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	75-35-4	W
cis-1,2-Dichloroethene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	156-59-2	W
trans-1,2-Dichloroethene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	156-60-5	W
1,2-Dichloropropane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	78-87-5	W
1,3-Dichloropropane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	142-28-9	W
2,2-Dichloropropane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	594-20-7	W
1,1-Dichloropropene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	563-58-6	W
cis-1,3-Dichloropropene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	10061-01-5	W
trans-1,3-Dichloropropene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	10061-02-6	W
Diisopropyl ether	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	108-20-3	W
Ethylbenzene	1490	ug/kg	340	142	5	01/03/12 12:00	01/04/12 18:04	100-41-4	
Hexachloro-1,3-butadiene	<132	ug/kg	300	132	5	01/03/12 12:00	01/04/12 18:04	87-68-3	W
Isopropylbenzene (Cumene)	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	98-82-8	W
p-Isopropyltoluene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	99-87-6	W
Methylene Chloride	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	75-09-2	W
Methyl-tert-butyl ether	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	1634-04-4	W
Naphthalene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	91-20-3	W
n-Propylbenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	103-65-1	W
Styrene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	100-42-5	W
1,1,1,2-Tetrachloroethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	630-20-6	W
1,1,2,2-Tetrachloroethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	79-34-5	W
Tetrachloroethene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	127-18-4	W



### ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

**Sample: B3 1'**      **Lab ID: 4055345006**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Toluene	19500	ug/kg	340	142	5	01/03/12 12:00	01/04/12 18:04	108-88-3	
1,2,3-Trichlorobenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	87-61-6	W
1,2,4-Trichlorobenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	120-82-1	W
1,1,1-Trichloroethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	71-55-6	W
1,1,2-Trichloroethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	79-00-5	W
Trichloroethene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	79-01-6	W
Trichlorofluoromethane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	75-69-4	W
1,2,3-Trichloropropane	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	96-18-4	W
1,2,4-Trimethylbenzene	152J	ug/kg	340	142	5	01/03/12 12:00	01/04/12 18:04	95-63-6	
1,3,5-Trimethylbenzene	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	108-67-8	W
Vinyl chloride	<125	ug/kg	300	125	5	01/03/12 12:00	01/04/12 18:04	75-01-4	W
m&p-Xylene	6670	ug/kg	680	283	5	01/03/12 12:00	01/04/12 18:04	179601-23-1	
o-Xylene	2320	ug/kg	340	142	5	01/03/12 12:00	01/04/12 18:04	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	77 %.		57-149		5	01/03/12 12:00	01/04/12 18:04	1868-53-7	
Toluene-d8 (S)	89 %.		55-152		5	01/03/12 12:00	01/04/12 18:04	2037-26-5	
4-Bromofluorobenzene (S)	73 %.		40-139		5	01/03/12 12:00	01/04/12 18:04	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	11.7 %		0.10	0.10	1		12/30/11 08:03		

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B3 3' Lab ID: 4055345007 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Arsenic	3.4	mg/kg	2.2	0.16	1	01/04/12 15:45	01/05/12 19:17	7440-38-2	
Barium	35.6	mg/kg	0.54	0.043	1	01/04/12 15:45	01/05/12 19:17	7440-39-3	
Cadmium	0.32J	mg/kg	0.54	0.019	1	01/04/12 15:45	01/05/12 19:17	7440-43-9	
Chromium	17.3	mg/kg	0.54	0.071	1	01/04/12 15:45	01/05/12 19:17	7440-47-3	
Lead	54.9	mg/kg	1.1	0.15	1	01/04/12 15:45	01/05/12 19:17	7439-92-1	
Selenium	<0.32	mg/kg	2.2	0.32	1	01/04/12 15:45	01/05/12 19:17	7782-49-2	
Silver	0.16J	mg/kg	1.1	0.096	1	01/04/12 15:45	01/05/12 19:17	7440-22-4	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Mercury	0.051	mg/kg	0.0046	0.0022	1	01/12/12 09:36	01/12/12 13:55	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Acenaphthene	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	83-32-9	
Acenaphthylene	<394	ug/kg	3680	394	20	01/04/12 12:50	01/06/12 18:38	208-96-8	
Anthracene	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	120-12-7	
Benzo(a)anthracene	<414	ug/kg	3680	414	20	01/04/12 12:50	01/06/12 18:38	56-55-3	
Benzo(a)pyrene	<446	ug/kg	3680	446	20	01/04/12 12:50	01/06/12 18:38	50-32-8	
Benzo(b)fluoranthene	<434	ug/kg	3680	434	20	01/04/12 12:50	01/06/12 18:38	205-99-2	
Benzo(g,h,i)perylene	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	191-24-2	
Benzo(k)fluoranthene	<580	ug/kg	3680	580	20	01/04/12 12:50	01/06/12 18:38	207-08-9	
4-Bromophenylphenyl ether	<390	ug/kg	3680	390	20	01/04/12 12:50	01/06/12 18:38	101-55-3	
Butylbenzylphthalate	<828	ug/kg	3680	828	20	01/04/12 12:50	01/06/12 18:38	85-68-7	
Carbazole	<379	ug/kg	3680	379	20	01/04/12 12:50	01/06/12 18:38	86-74-8	
4-Chloro-3-methylphenol	<375	ug/kg	3680	375	20	01/04/12 12:50	01/06/12 18:38	59-50-7	
4-Chloroaniline	<1840	ug/kg	7340	1840	20	01/04/12 12:50	01/06/12 18:38	106-47-8	
bis(2-Chloroethoxy)methane	<443	ug/kg	3680	443	20	01/04/12 12:50	01/06/12 18:38	111-91-1	
bis(2-Chloroethyl) ether	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	111-44-4	
2-Chloronaphthalene	<382	ug/kg	3680	382	20	01/04/12 12:50	01/06/12 18:38	91-58-7	
2-Chlorophenol	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	95-57-8	
4-Chlorophenylphenyl ether	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	7005-72-3	
Chrysene	<536	ug/kg	3680	536	20	01/04/12 12:50	01/06/12 18:38	218-01-9	
Dibenz(a,h)anthracene	<673	ug/kg	3680	673	20	01/04/12 12:50	01/06/12 18:38	53-70-3	
Dibenzofuran	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	132-64-9	
1,2-Dichlorobenzene	<420	ug/kg	3680	420	20	01/04/12 12:50	01/06/12 18:38	95-50-1	
1,3-Dichlorobenzene	<431	ug/kg	3680	431	20	01/04/12 12:50	01/06/12 18:38	541-73-1	
1,4-Dichlorobenzene	<474	ug/kg	3680	474	20	01/04/12 12:50	01/06/12 18:38	106-46-7	
3,3'-Dichlorobenzidine	<266	ug/kg	3680	266	20	01/04/12 12:50	01/06/12 18:38	91-94-1	
2,4-Dichlorophenol	<314	ug/kg	3680	314	20	01/04/12 12:50	01/06/12 18:38	120-83-2	
Diethylphthalate	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	84-66-2	
2,4-Dimethylphenol	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	105-67-9	
Dimethylphthalate	<386	ug/kg	3680	386	20	01/04/12 12:50	01/06/12 18:38	131-11-3	
Di-n-butylphthalate	<615	ug/kg	3680	615	20	01/04/12 12:50	01/06/12 18:38	84-74-2	
4,6-Dinitro-2-methylphenol	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	534-52-1	
2,4-Dinitrophenol	<2700	ug/kg	14700	2700	20	01/04/12 12:50	01/06/12 18:38	51-28-5	

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B3 3' Lab ID: 4055345007 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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**8270 MSSV FULL LIST  
MICROWAVE**

Analytical Method: EPA 8270 Preparation Method: EPA 3546

2,4-Dinitrotoluene	<289	ug/kg	3680	289	20	01/04/12 12:50	01/06/12 18:38	121-14-2	
2,6-Dinitrotoluene	<424	ug/kg	3680	424	20	01/04/12 12:50	01/06/12 18:38	606-20-2	
Di-n-octylphthalate	<401	ug/kg	3680	401	20	01/04/12 12:50	01/06/12 18:38	117-84-0	
bis(2-Ethylhexyl)phthalate	16600	ug/kg	3680	752	20	01/04/12 12:50	01/06/12 18:38	117-81-7	
Fluoranthene	<650	ug/kg	3680	650	20	01/04/12 12:50	01/06/12 18:38	206-44-0	
Fluorene	<185	ug/kg	3680	185	20	01/04/12 12:50	01/06/12 18:38	86-73-7	
Hexachloro-1,3-butadiene	<473	ug/kg	3680	473	20	01/04/12 12:50	01/06/12 18:38	87-68-3	
Hexachlorobenzene	<216	ug/kg	3680	216	20	01/04/12 12:50	01/06/12 18:38	118-74-1	
Hexachlorocyclopentadiene	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	77-47-4	
Hexachloroethane	<465	ug/kg	3680	465	20	01/04/12 12:50	01/06/12 18:38	67-72-1	
Indeno(1,2,3-cd)pyrene	<493	ug/kg	3680	493	20	01/04/12 12:50	01/06/12 18:38	193-39-5	
Isophorone	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	78-59-1	
2-Methylnaphthalene	<405	ug/kg	3680	405	20	01/04/12 12:50	01/06/12 18:38	91-57-6	
2-Methylphenol(o-Cresol)	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	<383	ug/kg	3680	383	20	01/04/12 12:50	01/06/12 18:38		
Naphthalene	<430	ug/kg	3680	430	20	01/04/12 12:50	01/06/12 18:38	91-20-3	
2-Nitroaniline	<266	ug/kg	3680	266	20	01/04/12 12:50	01/06/12 18:38	88-74-4	
3-Nitroaniline	<291	ug/kg	3680	291	20	01/04/12 12:50	01/06/12 18:38	99-09-2	
4-Nitroaniline	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	100-01-6	
Nitrobenzene	<422	ug/kg	3680	422	20	01/04/12 12:50	01/06/12 18:38	98-95-3	
2-Nitrophenol	<439	ug/kg	3680	439	20	01/04/12 12:50	01/06/12 18:38	88-75-5	
4-Nitrophenol	<725	ug/kg	3680	725	20	01/04/12 12:50	01/06/12 18:38	100-02-7	
N-Nitroso-di-n-propylamine	<436	ug/kg	3680	436	20	01/04/12 12:50	01/06/12 18:38	621-64-7	
N-Nitrosodiphenylamine	<505	ug/kg	3680	505	20	01/04/12 12:50	01/06/12 18:38	86-30-6	
2,2'-Oxybis(1-chloropropane)	<470	ug/kg	3680	470	20	01/04/12 12:50	01/06/12 18:38	108-60-1	
Pentachlorophenol	<1840	ug/kg	7270	1840	20	01/04/12 12:50	01/06/12 18:38	87-86-5	
Phenanthrene	<1840	ug/kg	3680	1840	20	01/04/12 12:50	01/06/12 18:38	85-01-8	
Phenol	<437	ug/kg	3680	437	20	01/04/12 12:50	01/06/12 18:38	108-95-2	
Pyrene	<895	ug/kg	3680	895	20	01/04/12 12:50	01/06/12 18:38	129-00-0	
1,2,4-Trichlorobenzene	<203	ug/kg	3680	203	20	01/04/12 12:50	01/06/12 18:38	120-82-1	
2,4,5-Trichlorophenol	<242	ug/kg	3680	242	20	01/04/12 12:50	01/06/12 18:38	95-95-4	
2,4,6-Trichlorophenol	<406	ug/kg	3680	406	20	01/04/12 12:50	01/06/12 18:38	88-06-2	

**Surrogates**

Nitrobenzene-d5 (S)	67 %		44-130		20	01/04/12 12:50	01/06/12 18:38	4165-60-0	
2-Fluorobiphenyl (S)	96 %		43-130		20	01/04/12 12:50	01/06/12 18:38	321-60-8	
Terphenyl-d14 (S)	125 %		10-130		20	01/04/12 12:50	01/06/12 18:38	1718-51-0	
Phenol-d6 (S)	62 %		26-130		20	01/04/12 12:50	01/06/12 18:38	13127-88-3	
2-Fluorophenol (S)	50 %		20-130		20	01/04/12 12:50	01/06/12 18:38	367-12-4	
2,4,6-Tribromophenol (S)	64 %		11-130		20	01/04/12 12:50	01/06/12 18:38	118-79-6	

**8260 MSV Med Level Normal List**

Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	74-97-5	W

Date: 01/13/2012 10:17 AM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B3 3' Lab ID: 4055345007 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	01/03/12 12:00	01/04/12 13:51	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	01/03/12 12:00	01/04/12 13:51	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	01/03/12 12:00	01/04/12 13:51	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	01/03/12 12:00	01/04/12 13:51	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	01/03/12 12:00	01/04/12 13:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	127-18-4	W

### ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

**Sample: B3 3'**      **Lab ID: 4055345007**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Toluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	01/03/12 12:00	01/04/12 13:51	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 13:51	95-47-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	88 %.		57-149		1	01/03/12 12:00	01/04/12 13:51	1868-53-7	
Toluene-d8 (S)	89 %.		55-152		1	01/03/12 12:00	01/04/12 13:51	2037-26-5	
4-Bromofluorobenzene (S)	83 %.		40-139		1	01/03/12 12:00	01/04/12 13:51	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	9.3 %		0.10	0.10	1		12/30/11 08:04		

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

**Sample: B3 8'**      **Lab ID: 4055345008**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	3.3	mg/kg	2.2	0.16	1	01/04/12 15:45	01/05/12 19:21	7440-38-2	
Barium	13.4	mg/kg	0.55	0.043	1	01/04/12 15:45	01/05/12 19:21	7440-39-3	
Cadmium	0.23J	mg/kg	0.55	0.019	1	01/04/12 15:45	01/05/12 19:21	7440-43-9	
Chromium	4.5	mg/kg	0.55	0.071	1	01/04/12 15:45	01/05/12 19:21	7440-47-3	
Lead	5.7	mg/kg	1.1	0.15	1	01/04/12 15:45	01/05/12 19:21	7439-92-1	
Selenium	<0.32	mg/kg	2.2	0.32	1	01/04/12 15:45	01/05/12 19:21	7782-49-2	
Silver	<0.096	mg/kg	1.1	0.096	1	01/04/12 15:45	01/05/12 19:21	7440-22-4	
<b>7471 Mercury</b>		Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.011	mg/kg	0.0049	0.0023	1	01/12/12 09:36	01/12/12 13:57	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	83-32-9	
Acenaphthylene	<22.4	ug/kg	209	22.4	1	01/04/12 12:50	01/06/12 16:27	208-96-8	
Anthracene	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	120-12-7	
Benzo(a)anthracene	37.5J	ug/kg	209	23.5	1	01/04/12 12:50	01/06/12 16:27	56-55-3	
Benzo(a)pyrene	37.0J	ug/kg	209	25.3	1	01/04/12 12:50	01/06/12 16:27	50-32-8	
Benzo(b)fluoranthene	33.8J	ug/kg	209	24.6	1	01/04/12 12:50	01/06/12 16:27	205-99-2	
Benzo(g,h,i)perylene	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	191-24-2	
Benzo(k)fluoranthene	45.8J	ug/kg	209	32.9	1	01/04/12 12:50	01/06/12 16:27	207-08-9	
4-Bromophenylphenyl ether	<22.1	ug/kg	209	22.1	1	01/04/12 12:50	01/06/12 16:27	101-55-3	
Butylbenzylphthalate	<47.0	ug/kg	209	47.0	1	01/04/12 12:50	01/06/12 16:27	85-68-7	
Carbazole	<21.5	ug/kg	209	21.5	1	01/04/12 12:50	01/06/12 16:27	86-74-8	
4-Chloro-3-methylphenol	<21.3	ug/kg	209	21.3	1	01/04/12 12:50	01/06/12 16:27	59-50-7	
4-Chloroaniline	<104	ug/kg	417	104	1	01/04/12 12:50	01/06/12 16:27	106-47-8	
bis(2-Chloroethoxy)methane	<25.2	ug/kg	209	25.2	1	01/04/12 12:50	01/06/12 16:27	111-91-1	
bis(2-Chloroethyl) ether	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	111-44-4	
2-Chloronaphthalene	<21.7	ug/kg	209	21.7	1	01/04/12 12:50	01/06/12 16:27	91-58-7	
2-Chlorophenol	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	95-57-8	
4-Chlorophenylphenyl ether	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	7005-72-3	
Chrysene	42.2J	ug/kg	209	30.4	1	01/04/12 12:50	01/06/12 16:27	218-01-9	
Dibenz(a,h)anthracene	<38.2	ug/kg	209	38.2	1	01/04/12 12:50	01/06/12 16:27	53-70-3	
Dibenzofuran	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	132-64-9	
1,2-Dichlorobenzene	<23.9	ug/kg	209	23.9	1	01/04/12 12:50	01/06/12 16:27	95-50-1	
1,3-Dichlorobenzene	<24.5	ug/kg	209	24.5	1	01/04/12 12:50	01/06/12 16:27	541-73-1	
1,4-Dichlorobenzene	<26.9	ug/kg	209	26.9	1	01/04/12 12:50	01/06/12 16:27	106-46-7	
3,3'-Dichlorobenzidine	<15.1	ug/kg	209	15.1	1	01/04/12 12:50	01/06/12 16:27	91-94-1	
2,4-Dichlorophenol	<17.8	ug/kg	209	17.8	1	01/04/12 12:50	01/06/12 16:27	120-83-2	
Diethylphthalate	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	84-66-2	
2,4-Dimethylphenol	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	105-67-9	
Dimethylphthalate	<21.9	ug/kg	209	21.9	1	01/04/12 12:50	01/06/12 16:27	131-11-3	
Di-n-butylphthalate	<34.9	ug/kg	209	34.9	1	01/04/12 12:50	01/06/12 16:27	84-74-2	
4,6-Dinitro-2-methylphenol	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	534-52-1	
2,4-Dinitrophenol	<153	ug/kg	835	153	1	01/04/12 12:50	01/06/12 16:27	51-28-5	



## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

Sample: B3 8' Lab ID: 4055345008 Collected: 12/28/11 00:00 Received: 12/29/11 13:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dinitrotoluene	<16.4	ug/kg	209	16.4	1	01/04/12 12:50	01/06/12 16:27	121-14-2	
2,6-Dinitrotoluene	<24.1	ug/kg	209	24.1	1	01/04/12 12:50	01/06/12 16:27	606-20-2	
Di-n-octylphthalate	<22.8	ug/kg	209	22.8	1	01/04/12 12:50	01/06/12 16:27	117-84-0	
bis(2-Ethylhexyl)phthalate	<42.7	ug/kg	209	42.7	1	01/04/12 12:50	01/06/12 16:27	117-81-7	
Fluoranthene	55.2J	ug/kg	209	36.9	1	01/04/12 12:50	01/06/12 16:27	206-44-0	
Fluorene	<10.5	ug/kg	209	10.5	1	01/04/12 12:50	01/06/12 16:27	86-73-7	
Hexachloro-1,3-butadiene	<26.8	ug/kg	209	26.8	1	01/04/12 12:50	01/06/12 16:27	87-68-3	
Hexachlorobenzene	<12.3	ug/kg	209	12.3	1	01/04/12 12:50	01/06/12 16:27	118-74-1	
Hexachlorocyclopentadiene	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	77-47-4	
Hexachloroethane	<26.4	ug/kg	209	26.4	1	01/04/12 12:50	01/06/12 16:27	67-72-1	
Indeno(1,2,3-cd)pyrene	37.0J	ug/kg	209	28.0	1	01/04/12 12:50	01/06/12 16:27	193-39-5	
Isophorone	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	78-59-1	
2-Methylnaphthalene	<23.0	ug/kg	209	23.0	1	01/04/12 12:50	01/06/12 16:27	91-57-6	
2-Methylphenol(o-Cresol)	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	<21.7	ug/kg	209	21.7	1	01/04/12 12:50	01/06/12 16:27		
Naphthalene	<24.4	ug/kg	209	24.4	1	01/04/12 12:50	01/06/12 16:27	91-20-3	
2-Nitroaniline	<15.1	ug/kg	209	15.1	1	01/04/12 12:50	01/06/12 16:27	88-74-4	
3-Nitroaniline	<16.5	ug/kg	209	16.5	1	01/04/12 12:50	01/06/12 16:27	99-09-2	
4-Nitroaniline	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	100-01-6	
Nitrobenzene	<24.0	ug/kg	209	24.0	1	01/04/12 12:50	01/06/12 16:27	98-95-3	
2-Nitrophenol	<24.9	ug/kg	209	24.9	1	01/04/12 12:50	01/06/12 16:27	88-75-5	
4-Nitrophenol	<41.1	ug/kg	209	41.1	1	01/04/12 12:50	01/06/12 16:27	100-02-7	
N-Nitroso-di-n-propylamine	<24.7	ug/kg	209	24.7	1	01/04/12 12:50	01/06/12 16:27	621-64-7	
N-Nitrosodiphenylamine	<28.6	ug/kg	209	28.6	1	01/04/12 12:50	01/06/12 16:27	86-30-6	
2,2'-Oxybis(1-chloropropane)	<26.7	ug/kg	209	26.7	1	01/04/12 12:50	01/06/12 16:27	108-60-1	
Pentachlorophenol	<104	ug/kg	413	104	1	01/04/12 12:50	01/06/12 16:27	87-86-5	
Phenanthrene	<104	ug/kg	209	104	1	01/04/12 12:50	01/06/12 16:27	85-01-8	
Phenol	<24.8	ug/kg	209	24.8	1	01/04/12 12:50	01/06/12 16:27	108-95-2	
Pyrene	79.8J	ug/kg	209	50.8	1	01/04/12 12:50	01/06/12 16:27	129-00-0	
1,2,4-Trichlorobenzene	<11.5	ug/kg	209	11.5	1	01/04/12 12:50	01/06/12 16:27	120-82-1	
2,4,5-Trichlorophenol	<13.7	ug/kg	209	13.7	1	01/04/12 12:50	01/06/12 16:27	95-95-4	
2,4,6-Trichlorophenol	<23.0	ug/kg	209	23.0	1	01/04/12 12:50	01/06/12 16:27	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	77 %		44-130		1	01/04/12 12:50	01/06/12 16:27	4165-60-0	
2-Fluorobiphenyl (S)	83 %		43-130		1	01/04/12 12:50	01/06/12 16:27	321-60-8	
Terphenyl-d14 (S)	117 %		10-130		1	01/04/12 12:50	01/06/12 16:27	1718-51-0	
Phenol-d6 (S)	76 %		26-130		1	01/04/12 12:50	01/06/12 16:27	13127-88-3	
2-Fluorophenol (S)	61 %		20-130		1	01/04/12 12:50	01/06/12 16:27	367-12-4	
2,4,6-Tribromophenol (S)	84 %		11-130		1	01/04/12 12:50	01/06/12 16:27	118-79-6	
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	74-97-5	W

## ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

**Sample: B3 8'**      **Lab ID: 4055345008**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	01/03/12 12:00	01/04/12 14:14	75-25-2	W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	01/03/12 12:00	01/04/12 14:14	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	75-00-3	W
Chloroform	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	01/03/12 12:00	01/04/12 14:14	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	01/03/12 12:00	01/04/12 14:14	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	108-20-3	W
Ethylbenzene	119	ug/kg	75.1	31.3	1	01/03/12 12:00	01/04/12 14:14	100-41-4	
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	01/03/12 12:00	01/04/12 14:14	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	127-18-4	W

### ANALYTICAL RESULTS

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

**Sample: B3 8'**      **Lab ID: 4055345008**      Collected: 12/28/11 00:00      Received: 12/29/11 13:25      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Toluene	<b>1190</b>	ug/kg	75.1	31.3	1	01/03/12 12:00	01/04/12 14:14	108-88-3	
1,2,3-Trichlorobenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	87-61-6	W
1,2,4-Trichlorobenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	120-82-1	W
1,1,1-Trichloroethane	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	71-55-6	W
1,1,2-Trichloroethane	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	79-00-5	W
Trichloroethene	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	79-01-6	W
Trichlorofluoromethane	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	75-69-4	W
1,2,3-Trichloropropane	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	96-18-4	W
1,2,4-Trimethylbenzene	<b>39.9J</b>	ug/kg	75.1	31.3	1	01/03/12 12:00	01/04/12 14:14	95-63-6	
1,3,5-Trimethylbenzene	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	108-67-8	W
Vinyl chloride	< <b>25.0</b>	ug/kg	60.0	25.0	1	01/03/12 12:00	01/04/12 14:14	75-01-4	W
m&p-Xylene	<b>528</b>	ug/kg	150	62.6	1	01/03/12 12:00	01/04/12 14:14	179601-23-1	
o-Xylene	<b>218</b>	ug/kg	75.1	31.3	1	01/03/12 12:00	01/04/12 14:14	95-47-6	
<b>Surrogates</b>									
Dibromofluoromethane (S)	90 %.		57-149		1	01/03/12 12:00	01/04/12 14:14	1868-53-7	1q
Toluene-d8 (S)	94 %.		55-152		1	01/03/12 12:00	01/04/12 14:14	2037-26-5	
4-Bromofluorobenzene (S)	90 %.		40-139		1	01/03/12 12:00	01/04/12 14:14	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>20.1</b>	%	0.10	0.10	1		12/30/11 08:04		

**QUALITY CONTROL DATA**

Project: 5323 VILLAGE OF THIENSVILLE  
Pace Project No.: 4055345

QC Batch: MERP/2866 Analysis Method: EPA 7471  
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

METHOD BLANK: 555881 Matrix: Solid  
Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.0022	0.0047	01/12/12 13:30	

LABORATORY CONTROL SAMPLE: 555882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.17	0.17	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 555883 555884

Parameter	Units	555883		555884		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Mercury	mg/kg	0.012	.18	.18	0.19	0.19	101	100	85-115	.5	20

### QUALITY CONTROL DATA

Project: 5323 VILLAGE OF THIENSVILLE  
Project No.: 4055345

QC Batch: MPRP/6445 Analysis Method: EPA 6010  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

METHOD BLANK: 553366 Matrix: Solid  
Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.14	2.0	01/05/12 18:29	
Barium	mg/kg	<0.039	0.50	01/05/12 18:29	
Cadmium	mg/kg	<0.017	0.50	01/05/12 18:29	
Chromium	mg/kg	<0.065	0.50	01/05/12 18:29	
Lead	mg/kg	<0.14	1.0	01/05/12 18:29	
Selenium	mg/kg	<0.30	2.0	01/05/12 18:29	
Silver	mg/kg	<0.088	1.0	01/05/12 18:29	

LABORATORY CONTROL SAMPLE: 553367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	45.0	90	80-120	
Barium	mg/kg	50	48.3	97	80-120	
Cadmium	mg/kg	50	45.6	91	80-120	
Chromium	mg/kg	50	48.0	96	80-120	
Lead	mg/kg	50	45.9	92	80-120	
Selenium	mg/kg	50	44.2	88	80-120	
Silver	mg/kg	25	22.6	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 553368 553369

Parameter	Units	4055345001		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Arsenic	mg/kg	2.5	52.2	52.6	50.8	52.5	92	95	75-125	3	20	
Barium	mg/kg	25.8	52.2	52.6	159	84.5	255	112	75-125	61	20	M0,R1
Cadmium	mg/kg	0.18J	52.2	52.6	50.6	52.2	96	99	75-125	3	20	
Chromium	mg/kg	7.5	52.2	52.6	54.4	51.8	90	84	75-125	5	20	
Lead	mg/kg	12.2	52.2	52.6	54.4	55.1	81	82	75-125	1	20	
Selenium	mg/kg	<0.31	52.2	52.6	46.6	48.6	89	92	75-125	4	20	
Silver	mg/kg	<0.092	26.1	26.3	24.9	25.6	95	97	75-125	3	20	

### QUALITY CONTROL DATA

Project: 5323 VILLAGE OF THIENSVILLE

Peace Project No.: 4055345

QC Batch: MSV/13783 Analysis Method: EPA 8260  
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
 Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

METHOD BLANK: 553230 Matrix: Solid  
 Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<25.0	60.0	01/04/12 08:53	
1,1,1-Trichloroethane	ug/kg	<25.0	60.0	01/04/12 08:53	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	60.0	01/04/12 08:53	
1,1,2-Trichloroethane	ug/kg	<25.0	60.0	01/04/12 08:53	
1,1-Dichloroethane	ug/kg	<25.0	60.0	01/04/12 08:53	
1,1-Dichloroethene	ug/kg	<25.0	60.0	01/04/12 08:53	
1,1-Dichloropropene	ug/kg	<25.0	60.0	01/04/12 08:53	
1,2,3-Trichlorobenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
1,2,3-Trichloropropane	ug/kg	<25.0	60.0	01/04/12 08:53	
1,2,4-Trichlorobenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
1,2-Dibromo-3-chloropropane	ug/kg	<82.3	250	01/04/12 08:53	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	60.0	01/04/12 08:53	
1,2-Dichlorobenzene	ug/kg	<44.4	60.0	01/04/12 08:53	
1,2-Dichloroethane	ug/kg	<25.0	60.0	01/04/12 08:53	
1,2-Dichloropropane	ug/kg	<25.0	60.0	01/04/12 08:53	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
1,3-Dichlorobenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
1,3-Dichloropropane	ug/kg	<25.0	60.0	01/04/12 08:53	
1,4-Dichlorobenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
2,2-Dichloropropane	ug/kg	<25.0	60.0	01/04/12 08:53	
2-Chlorotoluene	ug/kg	<25.0	60.0	01/04/12 08:53	
4-Chlorotoluene	ug/kg	<25.0	60.0	01/04/12 08:53	
Benzene	ug/kg	<25.0	60.0	01/04/12 08:53	
Bromobenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
Bromochloromethane	ug/kg	<25.0	60.0	01/04/12 08:53	
Bromodichloromethane	ug/kg	<25.0	60.0	01/04/12 08:53	
Bromoform	ug/kg	<25.9	60.0	01/04/12 08:53	
Bromomethane	ug/kg	<25.0	60.0	01/04/12 08:53	
Carbon tetrachloride	ug/kg	<25.0	60.0	01/04/12 08:53	
Chlorobenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
Chloroethane	ug/kg	<25.0	60.0	01/04/12 08:53	
Chloroform	ug/kg	<25.0	60.0	01/04/12 08:53	
Chloromethane	ug/kg	<25.0	60.0	01/04/12 08:53	
cis-1,2-Dichloroethene	ug/kg	<25.0	60.0	01/04/12 08:53	
cis-1,3-Dichloropropene	ug/kg	<25.0	60.0	01/04/12 08:53	
Dibromochloromethane	ug/kg	<25.0	60.0	01/04/12 08:53	
Dibromomethane	ug/kg	<25.0	60.0	01/04/12 08:53	
Dichlorodifluoromethane	ug/kg	<25.0	60.0	01/04/12 08:53	
Diisopropyl ether	ug/kg	<25.0	60.0	01/04/12 08:53	
Ethylbenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
Hexachloro-1,3-butadiene	ug/kg	<26.4	60.0	01/04/12 08:53	
Isopropylbenzene (Cumene)	ug/kg	<25.0	60.0	01/04/12 08:53	

Date: 01/13/2012 10:17 AM

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

METHOD BLANK: 553230

Matrix: Solid

Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/kg	<50.0	120	01/04/12 08:53	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	01/04/12 08:53	
Methylene Chloride	ug/kg	<25.0	60.0	01/04/12 08:53	
n-Butylbenzene	ug/kg	<40.4	60.0	01/04/12 08:53	
n-Propylbenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
Naphthalene	ug/kg	<25.0	60.0	01/04/12 08:53	
o-Xylene	ug/kg	<25.0	60.0	01/04/12 08:53	
p-Isopropyltoluene	ug/kg	<25.0	60.0	01/04/12 08:53	
sec-Butylbenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
Styrene	ug/kg	<25.0	60.0	01/04/12 08:53	
tert-Butylbenzene	ug/kg	<25.0	60.0	01/04/12 08:53	
Tetrachloroethene	ug/kg	<25.0	60.0	01/04/12 08:53	
Toluene	ug/kg	<25.0	60.0	01/04/12 08:53	
trans-1,2-Dichloroethene	ug/kg	<25.0	60.0	01/04/12 08:53	
trans-1,3-Dichloropropene	ug/kg	<25.0	60.0	01/04/12 08:53	
Trichloroethene	ug/kg	<25.0	60.0	01/04/12 08:53	
Trichlorofluoromethane	ug/kg	<25.0	60.0	01/04/12 08:53	
Vinyl chloride	ug/kg	<25.0	60.0	01/04/12 08:53	
4-Bromofluorobenzene (S)	%	87	40-139	01/04/12 08:53	
Dibromofluoromethane (S)	%	86	57-149	01/04/12 08:53	
Toluene-d8 (S)	%	93	55-152	01/04/12 08:53	

LABORATORY CONTROL SAMPLE & LCSD: 553231

553232

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2730	2560	109	103	70-130	6	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2030	2120	81	85	70-133	4	20	
1,1,2-Trichloroethane	ug/kg	2500	2450	2370	98	95	70-130	3	20	
1,1-Dichloroethane	ug/kg	2500	2270	2180	91	87	70-131	4	20	
1,1-Dichloroethene	ug/kg	2500	2400	2240	96	90	64-132	7	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2370	2440	95	97	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2110	2180	85	87	50-150	3	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2510	2450	100	98	70-130	2	20	
1,2-Dichlorobenzene	ug/kg	2500	2390	2420	95	97	70-130	1	20	
1,2-Dichloroethane	ug/kg	2500	2510	2430	100	97	70-138	3	20	
1,2-Dichloropropane	ug/kg	2500	2310	2290	92	92	70-130	.7	20	
1,3-Dichlorobenzene	ug/kg	2500	2420	2380	97	95	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	2500	2330	2250	93	90	70-130	3	20	
Benzene	ug/kg	2500	2170	2060	87	82	70-130	5	20	
Bromodichloromethane	ug/kg	2500	2380	2340	95	94	70-130	2	20	
Bromoform	ug/kg	2500	2230	2390	89	96	52-130	7	20	
Bromomethane	ug/kg	2500	2510	2380	101	95	52-179	6	20	
Carbon tetrachloride	ug/kg	2500	2550	2380	102	95	70-130	7	20	
Chlorobenzene	ug/kg	2500	2500	2440	100	97	70-130	3	20	
Chloroethane	ug/kg	2500	2560	2420	102	97	49-200	5	20	

### QUALITY CONTROL DATA

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

LABORATORY CONTROL SAMPLE & LCSD: 553231		553232								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroform	ug/kg	2500	2410	2270	97	91	70-130	6	20	
Chloromethane	ug/kg	2500	2090	1980	84	79	58-130	6	20	
cis-1,2-Dichloroethene	ug/kg	2500	2270	2200	91	88	70-130	3	20	
cis-1,3-Dichloropropene	ug/kg	2500	2400	2340	96	94	64-130	3	20	
Dibromochloromethane	ug/kg	2500	2490	2500	100	100	66-130	.2	20	
Dichlorodifluoromethane	ug/kg	2500	1950	1830	78	73	50-150	7	20	
Ethylbenzene	ug/kg	2500	2500	2410	100	96	70-130	4	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	2480	101	99	70-130	2	20	
m&p-Xylene	ug/kg	5000	5080	4970	102	99	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	2500	2370	2230	95	89	70-130	6	20	
Methylene Chloride	ug/kg	2500	2340	2270	94	91	70-135	3	20	
o-Xylene	ug/kg	2500	2490	2340	100	94	70-130	6	20	
Styrene	ug/kg	2500	2620	2500	105	100	70-130	5	20	
Tetrachloroethene	ug/kg	2500	2530	2450	101	98	70-130	3	20	
Toluene	ug/kg	2500	2410	2370	97	95	70-130	2	20	
trans-1,2-Dichloroethene	ug/kg	2500	2370	2150	95	86	67-130	10	20	
trans-1,3-Dichloropropene	ug/kg	2500	2420	2350	97	94	59-130	3	20	
Trichloroethene	ug/kg	2500	2490	2410	100	96	70-130	3	20	
Trichlorofluoromethane	ug/kg	2500	2500	2610	100	105	50-150	4	20	
Vinyl chloride	ug/kg	2500	2090	1950	84	78	55-130	7	20	
4-Bromofluorobenzene (S)	%.				95	91	40-139			
Dibromofluoromethane (S)	%.				103	95	57-149			
Toluene-d8 (S)	%.				97	93	55-152			

### QUALITY CONTROL DATA

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

QC Batch: OEXT/13559 Analysis Method: EPA 8270  
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave  
 Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

METHOD BLANK: 553290 Matrix: Solid  
 Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<9.2	167	01/05/12 09:36	
1,2-Dichlorobenzene	ug/kg	<19.1	167	01/05/12 09:36	
1,3-Dichlorobenzene	ug/kg	<19.6	167	01/05/12 09:36	
1,4-Dichlorobenzene	ug/kg	<21.5	167	01/05/12 09:36	
2,2'-Oxybis(1-chloropropane)	ug/kg	<21.3	167	01/05/12 09:36	
2,4,5-Trichlorophenol	ug/kg	<11.0	167	01/05/12 09:36	
2,4,6-Trichlorophenol	ug/kg	<18.4	167	01/05/12 09:36	
2,4-Dichlorophenol	ug/kg	<14.2	167	01/05/12 09:36	
2,4-Dimethylphenol	ug/kg	<83.3	167	01/05/12 09:36	
2,4-Dinitrophenol	ug/kg	<122	667	01/05/12 09:36	
2,4-Dinitrotoluene	ug/kg	<13.1	167	01/05/12 09:36	
2,6-Dinitrotoluene	ug/kg	<19.3	167	01/05/12 09:36	
2-Chloronaphthalene	ug/kg	<17.4	167	01/05/12 09:36	
2-Chlorophenol	ug/kg	<83.3	167	01/05/12 09:36	
2-Methylnaphthalene	ug/kg	<18.4	167	01/05/12 09:36	
2-Methylphenol(o-Cresol)	ug/kg	<83.3	167	01/05/12 09:36	
2-Nitroaniline	ug/kg	<12.1	167	01/05/12 09:36	
2-Nitrophenol	ug/kg	<19.9	167	01/05/12 09:36	
3&4-Methylphenol(m&p Cresol)	ug/kg	<17.4	167	01/05/12 09:36	
3,3'-Dichlorobenzidine	ug/kg	<12.1	167	01/05/12 09:36	
3-Nitroaniline	ug/kg	<13.2	167	01/05/12 09:36	
4,6-Dinitro-2-methylphenol	ug/kg	<83.3	167	01/05/12 09:36	
4-Bromophenylphenyl ether	ug/kg	<17.7	167	01/05/12 09:36	
4-Chloro-3-methylphenol	ug/kg	<17.0	167	01/05/12 09:36	
4-Chloroaniline	ug/kg	<83.3	333	01/05/12 09:36	
4-Chlorophenylphenyl ether	ug/kg	<83.3	167	01/05/12 09:36	
4-Nitroaniline	ug/kg	<83.3	167	01/05/12 09:36	
4-Nitrophenol	ug/kg	<32.9	167	01/05/12 09:36	
Acenaphthene	ug/kg	<83.3	167	01/05/12 09:36	
Acenaphthylene	ug/kg	<17.9	167	01/05/12 09:36	
Anthracene	ug/kg	<83.3	167	01/05/12 09:36	
Benzo(a)anthracene	ug/kg	<18.8	167	01/05/12 09:36	
Benzo(a)pyrene	ug/kg	<20.2	167	01/05/12 09:36	
Benzo(b)fluoranthene	ug/kg	<19.7	167	01/05/12 09:36	
Benzo(g,h,i)perylene	ug/kg	<83.3	167	01/05/12 09:36	
Benzo(k)fluoranthene	ug/kg	<26.3	167	01/05/12 09:36	
bis(2-Chloroethoxy)methane	ug/kg	<20.1	167	01/05/12 09:36	
bis(2-Chloroethyl) ether	ug/kg	<83.3	167	01/05/12 09:36	
bis(2-Ethylhexyl)phthalate	ug/kg	<34.1	167	01/05/12 09:36	
Butylbenzylphthalate	ug/kg	<37.5	167	01/05/12 09:36	
Carbazole	ug/kg	<17.2	167	01/05/12 09:36	
Chrysene	ug/kg	<24.3	167	01/05/12 09:36	
Di-n-butylphthalate	ug/kg	<27.9	167	01/05/12 09:36	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 5323 VILLAGE OF THIENSVILLE

Project No.: 4055345

METHOD BLANK: 553290

Matrix: Solid

Associated Lab Samples: 4055345001, 4055345002, 4055345003, 4055345004, 4055345005, 4055345006, 4055345007, 4055345008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Di-n-octylphthalate	ug/kg	<18.2	167	01/05/12 09:36	
Dibenz(a,h)anthracene	ug/kg	<30.5	167	01/05/12 09:36	
Dibenzofuran	ug/kg	<83.3	167	01/05/12 09:36	
Diethylphthalate	ug/kg	<83.3	167	01/05/12 09:36	
Dimethylphthalate	ug/kg	<17.5	167	01/05/12 09:36	
Fluoranthene	ug/kg	<29.5	167	01/05/12 09:36	
Fluorene	ug/kg	<8.4	167	01/05/12 09:36	
Hexachloro-1,3-butadiene	ug/kg	<21.5	167	01/05/12 09:36	
Hexachlorobenzene	ug/kg	<9.8	167	01/05/12 09:36	
Hexachlorocyclopentadiene	ug/kg	<83.3	167	01/05/12 09:36	
Hexachloroethane	ug/kg	<21.1	167	01/05/12 09:36	
Indeno(1,2,3-cd)pyrene	ug/kg	<22.4	167	01/05/12 09:36	
Isophorone	ug/kg	<83.3	167	01/05/12 09:36	
N-Nitroso-di-n-propylamine	ug/kg	<19.8	167	01/05/12 09:36	
N-Nitrosodiphenylamine	ug/kg	<22.9	167	01/05/12 09:36	
Naphthalene	ug/kg	<19.5	167	01/05/12 09:36	
Nitrobenzene	ug/kg	<19.1	167	01/05/12 09:36	
Pentachlorophenol	ug/kg	<83.3	330	01/05/12 09:36	
Phenanthrene	ug/kg	<83.3	167	01/05/12 09:36	
Phenol	ug/kg	<19.8	167	01/05/12 09:36	
Pyrene	ug/kg	<40.6	167	01/05/12 09:36	
2,4,6-Tribromophenol (S)	%	82	11-130	01/05/12 09:36	
2-Fluorobiphenyl (S)	%	89	43-130	01/05/12 09:36	
2-Fluorophenol (S)	%	77	20-130	01/05/12 09:36	
Nitrobenzene-d5 (S)	%	84	44-130	01/05/12 09:36	
Phenol-d6 (S)	%	81	26-130	01/05/12 09:36	
Terphenyl-d14 (S)	%	94	10-130	01/05/12 09:36	

LABORATORY CONTROL SAMPLE: 553291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1450	87	63-130	
1,2-Dichlorobenzene	ug/kg	1670	1400	84	58-130	
1,3-Dichlorobenzene	ug/kg	1670	1340	80	56-130	
1,4-Dichlorobenzene	ug/kg	1670	1370	82	56-130	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1440	86	43-130	
2,4,5-Trichlorophenol	ug/kg	1670	1630	98	70-130	
2,4,6-Trichlorophenol	ug/kg	1670	1570	94	67-130	
2,4-Dichlorophenol	ug/kg	1670	1610	97	65-130	
2,4-Dimethylphenol	ug/kg	1670	1470	88	57-130	
2,4-Dinitrophenol	ug/kg	1670	1090	65	26-130	
2,4-Dinitrotoluene	ug/kg	1670	1570	94	59-130	
2,6-Dinitrotoluene	ug/kg	1670	1600	96	70-130	
2-Chloronaphthalene	ug/kg	1670	1470	88	69-130	
2-Chlorophenol	ug/kg	1670	1510	91	58-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

LABORATORY CONTROL SAMPLE: 553291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	ug/kg	1670	1560	93	67-130	
2-Methylphenol(o-Cresol)	ug/kg	1670	1530	92	58-130	
2-Nitroaniline	ug/kg	1670	1830	110	50-132	
2-Nitrophenol	ug/kg	1670	1560	94	62-130	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1490	90	56-130	
3,3'-Dichlorobenzidine	ug/kg	1670	1700	102	52-130	
3-Nitroaniline	ug/kg	1670	1640	99	63-130	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1200	72	47-130	
4-Bromophenylphenyl ether	ug/kg	1670	1640	99	70-130	
4-Chloro-3-methylphenol	ug/kg	1670	1670	100	61-130	
4-Chloroaniline	ug/kg	1670	1600	96	57-130	
4-Chlorophenylphenyl ether	ug/kg	1670	1600	96	69-130	
4-Nitroaniline	ug/kg	1670	1640	98	46-130	
4-Nitrophenol	ug/kg	1670	1630	98	42-130	
Acenaphthene	ug/kg	1670	1580	95	70-130	
Acenaphthylene	ug/kg	1670	1580	95	70-130	
Anthracene	ug/kg	1670	1610	97	70-130	
Benzo(a)anthracene	ug/kg	1670	1620	97	70-130	
Benzo(a)pyrene	ug/kg	1670	1500	90	66-130	
Benzo(b)fluoranthene	ug/kg	1670	1560	93	61-130	
Benzo(g,h,i)perylene	ug/kg	1670	1210	73	44-140	
Benzo(k)fluoranthene	ug/kg	1670	1860	112	60-131	
bis(2-Chloroethoxy)methane	ug/kg	1670	1650	99	64-130	
bis(2-Chloroethyl) ether	ug/kg	1670	1540	93	48-130	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1730	104	65-134	
Butylbenzylphthalate	ug/kg	1670	1760	105	58-136	
Carbazole	ug/kg	1670	1570	94	70-130	
Chrysene	ug/kg	1670	1640	99	70-130	
Di-n-butylphthalate	ug/kg	1670	1640	98	70-130	
Di-n-octylphthalate	ug/kg	1670	1710	103	68-132	
Dibenz(a,h)anthracene	ug/kg	1670	1230	74	46-136	
Dibenzofuran	ug/kg	1670	1550	93	70-130	
Diethylphthalate	ug/kg	1670	1650	99	67-130	
Dimethylphthalate	ug/kg	1670	1570	94	70-130	
Fluoranthene	ug/kg	1670	1570	94	63-130	
Fluorene	ug/kg	1670	1590	95	70-130	
Hexachloro-1,3-butadiene	ug/kg	1670	1470	88	60-130	
Hexachlorobenzene	ug/kg	1670	1710	102	60-134	
Hexachlorocyclopentadiene	ug/kg	1670	1340	81	24-130	
Hexachloroethane	ug/kg	1670	1400	84	54-130	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1170	70	37-137	
Isophorone	ug/kg	1670	1470	88	39-130	
N-Nitroso-di-n-propylamine	ug/kg	1670	1550	93	50-130	
N-Nitrosodiphenylamine	ug/kg	1670	2020	121	70-133	
Naphthalene	ug/kg	1670	1490	89	66-130	
Nitrobenzene	ug/kg	1670	1500	90	55-130	
Pentachlorophenol	ug/kg	1670	1400	84	44-130	
Phenanthrene	ug/kg	1670	1580	95	70-130	

### QUALITY CONTROL DATA

Project: 5323 VILLAGE OF THIENSVILLE

Pace Project No.: 4055345

LABORATORY CONTROL SAMPLE: 553291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenol	ug/kg	1670	1520	91	57-130	
Pyrene	ug/kg	1670	1810	109	51-137	
2,4,6-Tribromophenol (S)	%.			92	11-130	
2-Fluorobiphenyl (S)	%.			89	43-130	
2-Fluorophenol (S)	%.			80	20-130	
Nitrobenzene-d5 (S)	%.			87	44-130	
Phenol-d6 (S)	%.			87	26-130	
Terphenyl-d14 (S)	%.			96	10-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 553292 553293

Parameter	Units	4055404001		MS	MSD	MS		MSD		% Rec	Max	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD		
1,2,4-Trichlorobenzene	ug/kg	<11.0	1990	1990	1440	1350	73	68	40-130	7	29	
1,2-Dichlorobenzene	ug/kg	<22.7	1990	1990	1480	1390	75	70	38-130	6	30	
1,3-Dichlorobenzene	ug/kg	<23.3	1990	1990	1450	1340	73	68	40-130	8	31	
1,4-Dichlorobenzene	ug/kg	<25.6	1990	1990	1450	1320	73	67	38-130	9	33	
2,2'-Oxybis(1-chloropropane)	ug/kg	<25.4	1990	1990	1510	1410	76	71	28-130	7	35	
2,4,5-Trichlorophenol	ug/kg	<13.1	1990	1990	1010	949	51	48	15-135	6	33	
2,4,6-Trichlorophenol	ug/kg	<21.9	1990	1990	1040	965	53	49	18-134	8	31	
2,4-Dichlorophenol	ug/kg	<16.9	1990	1990	1220	1090	62	55	29-130	11	35	
2,4-Dimethylphenol	ug/kg	<99.1	1990	1990	649	538	33	27	19-134	19	38	
2,4-Dinitrophenol	ug/kg	<146	1990	1990	<146	<146	2	2	10-130		40	M1
2,4-Dinitrotoluene	ug/kg	<15.6	1990	1990	1110	1100	56	55	18-136	1	33	
2,6-Dinitrotoluene	ug/kg	<22.9	1990	1990	1240	1180	62	59	29-131	5	35	
2-Chloronaphthalene	ug/kg	<20.6	1990	1990	1310	1350	66	68	43-130	3	23	
2-Chlorophenol	ug/kg	<99.1	1990	1990	1360	1250	69	63	32-130	8	30	
2-Methylnaphthalene	ug/kg	<21.9	1990	1990	1420	1390	72	70	25-130	3	33	
2-Methylphenol(o-Cresol)	ug/kg	<99.1	1990	1990	1000	870	51	44	35-130	14	36	
2-Nitroaniline	ug/kg	<14.4	1990	1990	1260	1330	63	67	33-130	5	28	
2-Nitrophenol	ug/kg	<23.7	1990	1990	1550	1630	78	82	25-130	5	34	
3&4-Methylphenol(m&p Cresol)	ug/kg	<20.7	1990	1990	939	812	47	41	28-130	15	36	
3,3'-Dichlorobenzidine	ug/kg	<14.4	1990	1990	<14.4	15.3J	.7	.8	10-157		50	M1
3-Nitroaniline	ug/kg	<15.7	1990	1990	24.2J	34.9J	1	2	16-130		43	M1
4,6-Dinitro-2-methylphenol	ug/kg	<99.1	1990	1990	331	268	17	14	10-130	21	46	
4-Bromophenylphenyl ether	ug/kg	<21.0	1990	1990	1170	1180	59	59	32-136	.3	28	
4-Chloro-3-methylphenol	ug/kg	<20.2	1990	1990	971	916	49	46	30-130	6	33	
4-Chloroaniline	ug/kg	<99.1	1990	1990	131J	116J	7	6	18-130		39	M1
4-Chlorophenylphenyl ether	ug/kg	<99.1	1990	1990	1200	1200	61	61	40-130	.03	26	
4-Nitroaniline	ug/kg	<99.1	1990	1990	194J	152J	10	8	10-138		49	M1
4-Nitrophenol	ug/kg	<39.1	1990	1990	535	538	27	27	10-131	.6	50	
Acenaphthene	ug/kg	<99.1	1990	1990	1320	1350	66	68	42-130	2	26	
Acenaphthylene	ug/kg	<21.3	1990	1990	1260	1280	64	64	38-130	1	22	
Anthracene	ug/kg	<99.1	1990	1990	1190	1170	60	59	39-130	2	38	
Benzo(a)anthracene	ug/kg	<22.3	1990	1990	978	971	49	49	34-130	.8	33	
Benzo(a)pyrene	ug/kg	<24.0	1990	1990	812	843	41	43	19-130	4	33	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 5323 VILLAGE OF THIENSVILLE

Project No.: 4055345

Parameter	4055404001		MS		MSD		MS		MSD		MS		MSD		% Rec		Max		Qual
	Units	Result	Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MS % Rec	MSD % Rec	Limits	RPD	RPD	RPD	RPD				
Benzo(b)fluoranthene	ug/kg	<23.4	1990	1990	887	965	45	49	19-130	8	31								
Benzo(g,h,i)perylene	ug/kg	<99.1	1990	1990	559	650	28	33	10-163	15	50								
Benzo(k)fluoranthene	ug/kg	<31.3	1990	1990	1060	926	54	47	22-133	14	41								
bis(2-Chloroethoxy)methane	ug/kg	<23.9	1990	1990	1460	1400	74	71	43-130	4	27								
bis(2-Chloroethyl) ether	ug/kg	<99.1	1990	1990	1550	1490	78	75	37-130	4	37								
bis(2-Ethylhexyl)phthalate	ug/kg	<40.6	1990	1990	915	838	46	42	25-160	9	33								
Butylbenzylphthalate	ug/kg	<44.7	1990	1990	1080	996	55	50	15-174	8	35								
Carbazole	ug/kg	<20.5	1990	1990	269	208	14	10	26-134	26	31 M1								
Chrysene	ug/kg	<28.9	1990	1990	985	994	50	50	31-130	.9	35								
Di-n-butylphthalate	ug/kg	<33.2	1990	1990	961	940	48	47	32-136	2	32								
Di-n-octylphthalate	ug/kg	<21.7	1990	1990	826	778	42	39	31-150	6	35								
Dibenz(a,h)anthracene	ug/kg	<36.3	1990	1990	512	601	26	30	21-146	16	50								
Dibenzofuran	ug/kg	<99.1	1990	1990	1300	1250	66	63	40-130	4	27								
Diethylphthalate	ug/kg	<99.1	1990	1990	1130	1140	57	57	36-130	.4	30								
Dimethylphthalate	ug/kg	<20.8	1990	1990	1210	1140	61	58	42-130	5	31								
Fluoranthene	ug/kg	<35.1	1990	1990	1020	1010	52	51	10-132	1	45								
Fluorene	ug/kg	<10	1990	1990	1270	1260	64	64	43-130	.5	28								
Hexachloro-1,3-butadiene	ug/kg	<25.5	1990	1990	1460	1390	74	70	35-130	5	27								
Hexachlorobenzene	ug/kg	<11.7	1990	1990	1210	1200	61	60	37-130	.9	24								
Hexachlorocyclopentadiene	ug/kg	<99.1	1990	1990	397	337	20	17	10-130	16	38								
Hexachloroethane	ug/kg	<25.1	1990	1990	1200	1110	61	56	10-130	8	38								
Indeno(1,2,3-cd)pyrene	ug/kg	<26.6	1990	1990	502	611	25	31	10-154	20	50								
Isophorone	ug/kg	<99.1	1990	1990	1240	1260	62	63	29-130	2	26								
N-Nitroso-di-n-propylamine	ug/kg	<23.5	1990	1990	1520	1480	77	74	38-130	3	30								
N-Nitrosodiphenylamine	ug/kg	<27.2	1990	1990	1040	941	52	47	10-196	10	33								
Naphthalene	ug/kg	<23.2	1990	1990	1470	1380	74	70	33-130	6	27								
Nitrobenzene	ug/kg	<22.8	1990	1990	1430	1390	72	70	33-130	3	35								
Pentachlorophenol	ug/kg	<99.1	1990	1990	234J	159J	12	8	10-130		41 M1								
Phenanthrene	ug/kg	<99.1	1990	1990	1190	1170	60	59	25-130	2	32								
Phenol	ug/kg	<23.6	1990	1990	1200	1040	61	52	34-130	15	29								
Pyrene	ug/kg	<48.3	1990	1990	1400	1330	70	67	12-161	5	33								
2,4,6-Tribromophenol (S)	%						38	35	11-130										
2-Fluorobiphenyl (S)	%						70	69	43-130										
2-Fluorophenol (S)	%						58	54	20-130										
Nitrobenzene-d5 (S)	%						73	70	44-130										
Phenol-d6 (S)	%						59	55	26-130										
Terphenyl-d14 (S)	%						54	52	10-130										



## QUALIFIERS

Project: 5323 VILLAGE OF THIENSVILLE  
Pace Project No.: 4055345

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

### LABORATORIES

PASI-G Pace Analytical Services - Green Bay

### BATCH QUALIFIERS

Batch: MSV/13785

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

1q Sample vial was received with reversed septa, which could prevent an airtight seal.  
D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.  
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.  
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
R1 RPD value was outside control limits.  
S0 Surrogate recovery outside laboratory control limits.  
S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.  
W Non-detect results are reported on a wet weight basis.