DEPARTMENT OF NATURAL RESOURCES
BRRTS TRACKING FORM

UID: 02-14-553768	FID:	PMN:

Programs: LUST (ERP) VP _____ GP _____

County Dodge

Site Name Monarch Development Lot 8

Address 715 N. Spring St.

Municipality Beaver Dam Zip Code ____

Legal Desc: ____1/4 ____1/4 s____ t____N r____E/W

Lat: ____° ____' ____" Long. ____° ____' ____"

Notification Date 5/18/09

RP letter Date 7/1/09

Closure Date _____

Reported by:
Shaw

Phone: _____

Priority	Factors	Funding
____HIGH	__Free Product>.01	_____RP
____MED	__ES w/100' of private well or	_____EF
____LOW	__ES w/1000' of Municipal well	_____Other_____
____UNK	__Priv/Public well>PAL	
	__Bedrock cont. >ES	____ Co-Contamination
		____ ASTs ____Spill

RESPONSIBLE PARTY
Name John Corey
Company Dodge County Corporation Counsel
Address 127 E. Oak Grove St.
Juneau WI 53039

Phone: _____

cc: _____

Impacts

___ Cont. Private Well
___ Cont. Public Well
___ Groundwater Contamin.
___ Soil Contamination
___ Surface Water Impacts
___ Direct Contact
___ Free Product
___ Expanding plume

Substances PAH

___ Gasoline__Pb
___ Diesel
___ Fuel Oil
___ Waste Oil
___ VOCs
___ Unknown
___ Ag Chem
___ Metals
___ RCRA HW
___ ChlorSolvents

ACTION CODES	Action Code	Date	Comment	Action Code	Date	Comment
1- Notification	1	5-18-09				
2- RP Letter Sent	97	6-23-09				
3- NON	2	7-1-09				
4- Enforcement Conference	98	7-14-09				
8- Significant Violator						
33- Tank Closure/ Site Assessment						
35- Site Investigation WP (w/o fee)						
36- SI WP Approved						
81- SI WP NOT Approved						
37- Site Investigation Report						
38- SIR Approved						
140- SIR NOT Approved						
39- Rem. Act. Opt. Rep. Received (w/o fee)						
40- RAOR Approved						
82- RAOR NOT Approved						
151- Construction Doc. Report Received (w/o fee)						
153- Construction Doc. Report Approved						
154- Construction Doc. Report NOT Approved						
43- Status Report						
61- Landspreading Request Received (w/fee)						
62- Landspreading Request Approved						
65- Landspreading Request NOT Approved						
92- O&M Report Received (w/o fee)						
93- O&M Report Approved						
94- O&M Report NOT Approved						
76- Transfer to DCOM						
89- DCOM Transfer Back to DNR						
79- Closure Request Received (w/fee)						
179- Closure Request Receive (w/o fee)						
183- No Further Action Request (w/fee)						
80- Closure NOT Approve						
84- Conditional Closure						
48- PAL Exemption Required for Closure						
50- Groundwater Use Restriction Required						
51- Deed Affidavit Required for Closure						
52- Deed Restriction Required for Closure						
86- Site Specific Conditions Required for Closure						
83- Close-out under NR708.09						
11- Activity Closed						

03-14-553768

Shaw Environmental, Inc.

831 Critter Court, Suite 400
Onalaska, WI 54650-8674
Phone: 608.781.5470

Shaw® Shaw Environmental, Inc.

May 14, 2009

John Corey
Dodge County Corporate Counsel
127 East Oak Grove Street
Juneau, Wisconsin 53039

RE: Summary of Lot 8 Geoprobe Investigation
Former MIR Site, Beaver Dam, Wisconsin
BRRTS# 03-14-001263

Dear Mr. Corey:

This letter serves as a summary of the results from the recent soil sampling that was conducted at the former MIR-D site located in Beaver Dam, Wisconsin.

On April 14, 2009, On-Site Environmental, Inc. under the direction of Shaw Environmental, Inc. (Shaw), advanced twenty-three Geoprobe soil borings (GP-1 through GP-23) to characterize the soil at the site and determine the extent of soil contamination. Soil borings GP-1 through GP-4 were advanced to 7 feet below ground surface (bgs) and the remaining nineteen borings (GP-5 through GP-23) were advanced to 1.5 feet bgs. Soil samples were collected from borings GP-1 through GP-4 at two-foot intervals; classified according to the Unified Soil Classification System; and field-screened using a photoionization detector. Two soil sample intervals from these four borings, and one sample from the remaining nineteen borings were submitted to a state-certified laboratory for analysis of the following parameters: arsenic, cadmium, chromium, lead, polynuclear aromatic hydrocarbons (PAHs), and volatile organic compounds (VOCs). Soil classification information was recorded on Wisconsin Department of Natural Resources (WDNR) "Soil Boring Log Information" forms. Copies of the soil boring logs and abandonment forms are included in Attachment A. Figure 1 illustrates the site plan view and soil boring locations.

Findings

In general, soil encountered during the investigation consisted primarily of approximately five feet of silty clay overlying silt to a maximum depth of seven feet bgs. Laboratory analytical results indicated that arsenic, cadmium, chromium, lead, several PAHs, methylene chloride, toluene, and trichlorofluoromethane were detected in the soil at the site. Arsenic was the only metal that exceeded the NR 720.11 residual contaminant level (RCL) for direct contact. The following PAH compounds exceeded their respective suggested non-industrial RCL for direct contact: benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; dibenzo(a,h)anthracene; and indeno(1,2,3-cd)pyrene. Table 1 summarizes the laboratory results. The actual laboratory report is included as Attachment B.

Discussion and Recommendations

Arsenic was found in every sample collected at the site at concentrations ranging from 1.8 to 5.6 parts per million (ppm). While the arsenic levels do exceed the NR 720 RCL, it also should be noted that arsenic can be naturally occurring in soils in Wisconsin. The levels detected at the

site are similar to background levels observed in other areas of the state, and consistent with concentrations that were observed during the course of the site investigation and remediation that occurred at the site from 1992 to closure in 2008. Additionally, since arsenic levels are consistent across the site in all the borings, they are believed to be representative of naturally-occurring background levels.

The other metals, chromium, cadmium, and lead, were not observed at levels exceeding their respective NR 720 standard.

Based on the soil sampling results, it appears that the majority of the PAHs exceeding regulatory limits are located within the silty clay soils in the top two feet of the soil profile and relatively close to the direct contact standards for each parameter. Benzo(a)pyrene was detected at concentrations an order of magnitude greater that it's direct contact value; however, only in about half of the samples collected.

Soil samples from borings GP1 through GP4 were also collected at depths greater than 1.5 feet bgs; however, no contamination (VOCs or PAHs) was detected in the deeper samples (greater than 3 feet bgs) at concentrations exceeding any standard. The direct standard limits only apply to the top four feet of the soil profile.

None of the soil samples collected illustrated concentrations close to the suggested RCLs for groundwater pathway; therefore, there is no concern that the minor residual soil contamination will adversely impact the quality of the groundwater present at, and down gradient of, the site.

Please feel free to contact me at 715-849-8986 if you have any questions regarding the results of the Geoprobe investigation.

Sincerely,
Shaw Environmental, Inc.

Victoria L. Loveland

Victoria Loveland
Engineer 3

cc: Denise Nettesheim, WDNR, 3911 Fish Hatchery Road, Fitchburg, Wisconsin 53711

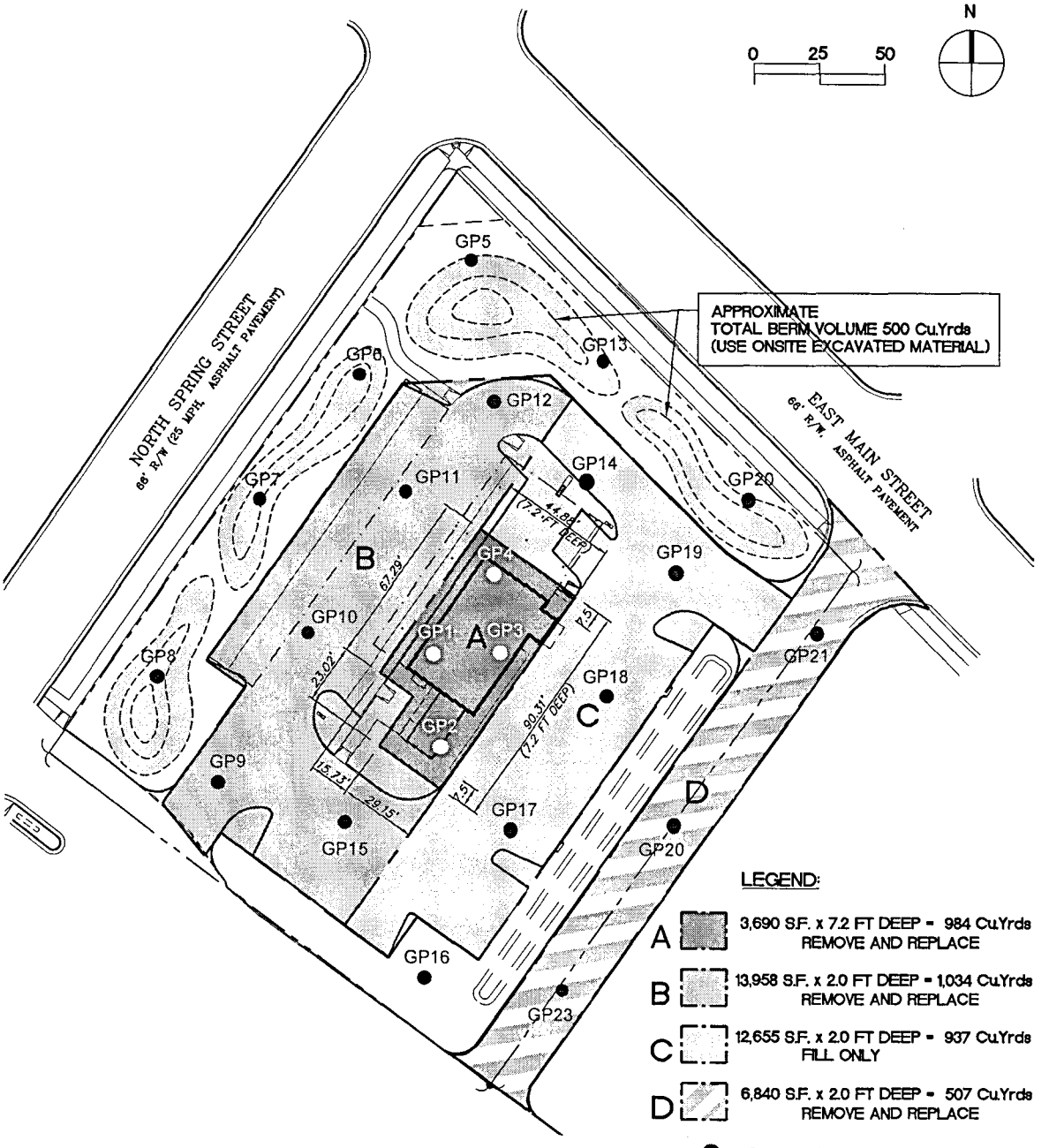

Figure 1
Geoprobe Locations
MIR Site - Beaver Dam, WI
4/19/09

Table 1
Soil Sample Analytical Results
MIR Site - Beaver Dam, WI
4/19/2009

Parameter	GP1	GP1	GP2	GP2	GP3	GP3	GP4	GP4	GP5	GP6	GP7	GP8	GP9	GP10	GP11	GP12	GP13	GP14	GP15	GP16	GP17	GP18	GP19	GP20	GP21	GP22	GP23	Units	NR 720 RCL	Suggested PAH RCLs for	
	2' bgs	4' bgs	3' bgs	7' bgs	2' bgs	6' bgs	4' bgs	7' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs	1.5' bgs			GW Pathway	Direct Contact
1,1,1,2-Tetrachloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,1,1-Trichloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,1,2,2-Tetrachloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,1,2-Trichloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,1-Dichloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,1-Dichloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,1-Dichloropropene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,2,3-Trichlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,2,3-Trichloropropane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,2,4-Trichlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,2,4-Trimethylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,2-Dibromo-3-chloropropane	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 165	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	ug/kg			
1,2-Dibromoethane (EDB)	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,2-Dichlorobenzene	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 88.8	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	ug/kg			
1,2-Dichloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg	4.9		
1,2-Dichloropropane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,3,5-Trimethylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,3-Dichlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,3-Dichloropropane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1,4-Dichlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
1-Methylnaphthalene	18.0	20.0	5.8	< 2.1	< 2.1	< 2.1	< 2.3	< 2.1	4.7	3.0	7.3	< 2.1	3.5	2.9	4.7	2.3	13.5	< 2	< 2.3	12.2	6.1	< 2.3	< 2.6	3.8	6.6	4.0	13.5	ug/kg		23,000	1,100,000
2,2-Dichloropropane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
2-Chlorotoluene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
2-Methylnaphthalene	23.8	31.5	8.3	< 2.1	< 2.1	< 2.1	< 2.3	< 2.1	7.2	4.5	15.9	3.3	5.4	4.3	7.5	3.8	15.5	< 2	< 2.3	13.6	10.5	3.3	2.9	4.7	8.6	6.6	17.9	ug/kg		20,000	600,000
4-Chlorotoluene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Acenaphthene	11.6	10.5	< 1.1	< 1	< 1	< 1	< 1.2	< 1	4.3	2.6	9.9	2.5	1.8	4.5	8.6	1.8	1.7	1.0	< 1.2	2.1	8.7	2.1	1.5	3.1	8.6	5.5	7.5	ug/kg		38,000	900,000
Acenaphthylene	61.7	5.8	3.7	< 1.9	5.3	< 1.9	< 2.1	< 1.9	26.4	34.4	78.0	14.2	16.5	23.5	17.6	12.1	16.7	4.4	5.5	5.8	6.7	8.8	8.9	13.8	14.6	12.2	24.5	ug/kg		700	18,000
Anthracene	109	22.0	10	< 5.1	6.5	< 5.2	< 5.7	< 5.1	27.9	39.8	85.1	25.8	22.1	37.4	37.7	17.7	25.0	7.3	10.0	12.3	17.3	16.4	14.5	23.0	63.1	34.2	47.2	ug/kg		3,000,000	5,000,000
Arsenic	**4.4**	**3.1**	**3.8**	**3.1**	**3.6**	**2.7**	**5.6**	**3.0**	**2.4**	**2.3**	**2.3**	**2.0**	**2.2**	**2.2**	**2.3**	**2.2**	**3.8**	**2.3**	**1.9**	**1.9**	**2.5**	**2.4**	**1.8**	**3.5**	**2.9**	**3.2**	**2.2**	mg/kg	0.039		
Benzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg	5.5		
Benzo(a)anthracene	**236**	17.7	20.4	< 9.4	26.8	< 9.5	< 10.4	< 9.3	59.9	**91.0**	**145**	80.0	61.7	**96.1**	**93.1**	50.1	45.4	25.1	33.3	33.5	38.6	46.2	38.7	57.2	**108**	80.7	**142**	ug/kg		17,000	88
Benzo(a)pyrene	**248**	**18.3**	**19.2**	< 4.1	**20.3**	< 4.1	< 4.5	< 4	**74.5**	**122**	**212**	**109**	**80.2**	**114**	**100**	**57.0**	**53.2**	**27.5**	**38.4**	**38.6**	**43.0**	**52.1**	**46.2**	**58.7**	**105**	**83.5**	**182**	ug/kg		48,000	8.8
Benzo(b)fluoranthene	**250**	17.2	17.7	< 6.4	16.7	< 6.4	< 7.1	< 6.3	76.2	**129**	**202**	**131**	**91.8**	**108**	**104**	62.5	51.0	29.8	41.4	47.9	**45.6**	55.6	55.4	58.3	**110**	**91.7**	**214**	ug/kg		360,000	88
Benzo(g,h,i)perylene	167	14.0	14.4	< 4.7	8.2	< 4.8	< 5.3	< 4.7	58.6	101	181	97.1	58.5	71.1	61.5	39.7	40.5	17.7	25.3	26.8	28.2	33.7	34.6	38.7	57.4	55.5	146	ug/kg		6,800,000	1,800
Benzo(k)fluoranthene	183	19.0	19.5	< 7	21.5	< 7	< 7.8	< 6.9	80.0	98.1	164	124	84.1	113	102	57.9	55.4	28.9	41.4	40.8	48.3	56.4	52.3	64.1	107	88.5	232	ug/kg		870,000	880
Bromobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Bromochloromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Bromodichloromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Bromoform	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 51.8	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	ug/kg			
Bromomethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Cadmium	0.19	0.32	0.093	0.095	0.26	0.088	0.044	0.087	0.14	0.16	0.22	0.15	0.19	0.19	0.18	0.17	0.18	0.084	0.11	0.12	0.21	0.17	0.078	0.21	0.20	0.31	0.18	mg/kg	8		
Carbon tetrachloride	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Chlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Chloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Chloroform	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Chloromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Chromium	16.4	17.9	15.2	8.9	14.5	9.4	23.6	7.5	15.1	16.0	17.6	14.0	16.0	13.4	14.3	16.8	13.3	8.0	20.4	19.6	18.1	15.7	22.3	14.3	16.7	16.3	13.6	mg/kg	14 hex/16,000		
Chrysene	254	20.4	21.6	< 3.9	25.6	< 3.9	< 4.3	< 3.8	79.7	131	193	128	89.8	110	113	65.6	59.7	33.8	45.5	49.6	50.6	61.5	58.2	67.3	128	102	206	ug/kg		37,000	8,800
cis-1,2-Dichloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
cis-1,3-Dichloropropene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Dibenz(a,h)anthracene	**58.3**	< 5.8	< 5.3	< 5.2	< 5.2	< 5.3	< 5.8	< 5.2	**20.9**	**41.7**	**73.4**	**40.6**	**27.9**	**30.5**	**27.5**	**19.5**	**19.2**	7.8	**10.2**	**10.7**	**10.8**	**13.0**	**12.8**	**17.2**	**24.8**	**25.7**	**63.1**	ug/kg		38,000	8.8
Dibromochloromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Dibromomethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Dichlorodifluoromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Diisopropyl ether	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Ethylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg	2,900		
Fluoranthene	559	35.2	36.8	5.6	45.2	< 1.2	< 1.4	< 1.2	135	228	265	213	157	215	244	120	109	57.8	90.8	91.2	106	123	106	133	284	206	357	ug/kg		500,000	600,000
Fluorene	17.5	8.2	1.7	< 1	< 1	< 1	< 1.1	< 1	5.4	4.9	10.9	4.4	3.2	5.1	10.3	2.5	2.6	1.4	1.8	3.3	7.0	3.2	2.3	4.2	18.3	6.4	7.6	ug/kg		100,000	600,000
Hexachloro-1,3-butadiene	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 52.8	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	ug/kg			
Indeno(1,2,3-cd)pyrene	**151**	12.5	12.2	< 4.7	8.8	< 4.8	< 5.3	< 4.7	54.0	**92.2**	**155**	**93.8**	62.1	76.4	63.8	39.1	41.1	18.6	26.5	28.2	27.8	35.9	33.8	40.1	60.4	57.3	**144**	ug/kg		680,000	88
Isopropylbenzene (Cumene)	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Lead	13.9	7.7	5.5	3.5	13.2	3.0	7.2	2.4	14.1	14.4	16.6	15.4	15.8	12.4	11.2	15.2	14.3	3.1	11.5	14.8	17.0	14.0	11.0	15.6	13.8	16.4	16.2	mg/kg	50		
m&p-Xylene	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 50	ug/kg	4,100		
o-Xylene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Methylene Chloride	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	67.3	< 25	< 25	< 25	< 25	< 25	ug/kg			
Methyl-tert-butyl ether	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Naphthalene	30.3	8.9	8.8	< 1.4	< 25	< 1.4	< 1.5	< 25	< 25	< 25	36.5	< 25	5.3	< 25	9.5	4.8	< 25	1.6	< 25	4.3	33.8	< 50	< 25	5.5	9.8	7.8	< 25	ug/kg		400	20,000
Naphthalene (by method 8270)	< 25	< 25	< 25	< 25	1.8	< 25	< 25	< 1.4	7.3	7.3	< 25	5.0	< 25	5.6	< 25	< 25	12.3	< 25	2.7	< 25	< 25	3.8	4.6	< 25	< 25	< 25	17.1	ug/kg		400	20,000
n-Butylbenzene	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 80.8	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	ug/kg			
n-Propylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Percent Moisture	9.3	19.4	12.6	11.1	10.1	11.7	20.1	10.5	17.5	18.3	22.8	12.1	21.5	12.1	19.7	19.3	15.7	8.0	20.7	20.3	22.7	19.8	28.1	16.9	34.1	19.7	17.1	%			
Phenanthrene	373	73.9	22.1	2.6	5.9	< 2.2	< 2.5	< 2.2	51.3	80.8	101	71.1	54.3	76.1	115	43.5	68.5	22.7	31.2	38.1	51.9	48.5	42.4	73.0	170	101	137	ug/kg		1,800	18,000
p-Isopropyltoluene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Pyrene	432	28.7	28.6	4.3	34.3	< 1.1	< 1.3	< 1.1	106	172	206	163	118	166	179	91.8	88.2	43.8	68.5	68.1	78.5	91.3	78.3	101	197	150	275	ug/kg		8,700,000	500,000
sec-Butylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Styrene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
tert-Butylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Tetrachloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Toluene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	124	1,090	< 25	< 25	< 25	< 25	< 25	ug/kg	1,500		
trans-1,2-Dichloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
trans-1,3-Dichloropropene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Trichloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			
Trichlorofluoromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	42.2	153	< 25	< 25	< 25	< 25	< 25	ug/kg			
Vinyl chloride	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg			

Notes:
bgs: Below ground surface
RCL: Residual contaminant level

PAH: Polynuclear aromatic hydrocarbons
Bold indicates value equals or exceeds the NR 720 RCL or RCL for direct contact

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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Route To: Watershed/Wastewater ☐ Waste Management ☐
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Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
15553		SB-P-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS1	24/24		2	Silty Clay/trace Sand & Gravel, Brown, Dry				1						1025
SS2	24/24		4	as above				0						
SS3	24/24		6	as above				0						1035
SS4	12/12		7	Silt, Brown, Moist				0						
				EOB @ 7ft bg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peschak	Shaw

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		PG 2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dosty Last Name: Harvey Firm: Onsite Environmental	4 14 09 m m d d y y y y	4 19 09 m m d d y y y y	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat _____ ° _____ ' _____ "
Long _____ ° _____ ' _____ "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS1	24/12		2	Silty clay trace gravel & Sand Brown, Dry				1						
SS2	24/12		4	as above				2						10 10
SS3	24/24		6	as above ~5 ft bg then Silt trace sand & gravel, Brown, moist				0						
SS4	12/12		7	as above EOB @ 7 ft bg				0						10 15

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Pesbacki VIC	Shaw

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Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		SB P-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4.14.09 (m m d d y y y y)	4.14.09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS1	24/24		2	Silty Clay, trace Sand, gravel, Brown Dry				0						950
SS2	24/24		4	as above				0						
SS3	24/24		6	as above @ 5 fbg Then Silt trace gravel, Brown, moist				0						@ 1000
SS4	12/12		7	as above				0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Chris Peshak/ym Firm: Shaw

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Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
15553		SGP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dust Last Name: Harvey Firm: On Site Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
SS1	24/24		2	Silty, Clay trace gravel & Sand, Brown, Dry				0						
SS2	24/24		4	as above				0						940
SS3	24/24		6	Silt trace gravel, Brown, moist				0						
SS4	12/12		7	as above				0						947

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Reshak IVE	Shaw

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Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP 5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4,14,09 (m m d d y y y y)	4,14,09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18		0	Silty Clay, Dark Brown, Dry				2						1055
			1.5	EOB @ 1.5 ft bg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshek MC	Shaw

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Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP 6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: On Site Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	16/18			Silty clay/trace gravel Dark Brown, Dry				0						1100
			1.5	EOB @ 1.5 ft										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peskat /VH	Shaw

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Boring Dan

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dust Last Name: Harvey Firm: Onsite Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	16/16			Silty clay trace gravel Dark Brown, Dry				1						11.05
			1.5	EOB @ 1.5 ft bg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Chris Peshak /vw Firm: Mawl

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Boarder Dam

Page _____ of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP 8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4/14/09 (mm/dd/yyyy)	4/14/09 (mm/dd/yyyy)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	16/16			Silty Clay trace gravel, Dark Brown, Dry				0						11 15
			1.5											
				EOB @ 1.5 ftbg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshak/VU	Stantec

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Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP 9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4,14,09 (m m d d y y y y)	4,14,09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	10/10/10			Silty Clay trace gravel, Dark Brown, Dry				1						1,5,5
			1,5	EOB @ 1,5 fbg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshak IVM	Shaw

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Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP 10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18			Silty clay trace gravel Dark Brown, Dry				0						1145
			1.5											
				EOB @ 1.5 ft bg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Resnak IVE	Shaw

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Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP 11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18			Silty Clay, Dark Brown, Dry				0						1125
			1.5	EOB 1.5 ft bg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peskat /MC	Shaw

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Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP 12

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	60/60			Silty clay, trace gravel, Dark Brown Dry				1						1135
			1.5	EOB @ 1.5 fbg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshak	Shaw

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Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP13

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: OMNI Tech Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location
_____ Feet ☐ N _____ Feet ☐ S _____ Feet ☐ E _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	16/16			Silty clay trace gravel Dark Brown, Dry				1						1205
			1.5	EOB @ 1.5 fbg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Pesnak	Shaw

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP 14

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4,14,09 (m m d d y y y y)	4,14,09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	16/16		1.5	Silty clay trace Gravel, Dark Brown, Dry				1						1210
				EOB @ 1.5 fbg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peskaski VII	Shaw

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Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP15

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4/10/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18			Silty clay trace gravel, Brown Dry				0						1220
			1.5	EOB @ 1.5 ft bg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshak NW	Shaw

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Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP16

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: On Site Environmental	4.19.09 (m m d d y y y y)	4.19.09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18			Silty Clay, Brown Dry				0						1275
			1.5	EOB @ 1.5 ft bg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshak /MM	Shaw

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP17

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Pasite Environmental	4.14.09 (m m d d y y y y)	4.14.09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "

Local Grid Location
☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18			Silty Clay, trace gravel, Dark Brown Dry				0						1235
			1.5	EOB @ 1.5 ftbg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshek / VH	Shaw

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP18

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat _____ ° _____ ' _____ "
Long _____ ° _____ ' _____ "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18			Silty Clay, Dark Brown, Dry				1						12 45
			1.5	EOB @ 1.5 ftbg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshak /MM	Shaw

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Bravet Dam

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP19

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4.14.09 (m m d d y y y y)	4.14.09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18			Silty Clay, Brown, Dry				0						1255
			1.5	EOB @ 1.5 ft bg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peskat / ww	Shaw

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

Page _____ of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP20

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Dagate Environmental	4.14.09 (m m d d y y y y)	4.14.09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18		1.5	Si Hy clay trace gravel Brown, Dry				0						100

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshak Jr	Shaw

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

Page _____ of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP21

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18			Silty, clay, Dark Brown, Dry				0						110
			1.5	EOB @ 1.5 ft bg										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshak /vw	Shaw

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

Page _____ of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP22

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: On Site Environmental	4,14,09 (m m d d y y y y)	4,14,09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18			Silty Clay trace gravel, Brown, Dry				0						120
			1.5											
				Refusal @ 1.5 ft										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Pestrak/VK	Shaw

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Beaver Dam

Page _____ of _____

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
135553		GP 23

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Dusty Last Name: Harvey Firm: Onsite Environmental	4/14/09 (m m d d y y y y)	4/14/09 (m m d d y y y y)	GP

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	2 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
	18/18		0	silty Clay trace gravel, Brown Dry				0						130
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Chris Peshak/ vu	Shaw

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State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP1
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft. / ☒ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
7.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

5. Material Used To Fill Well / Drillhole

bentonite

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI

Present Well Owner	Original Well Owner
Dodge County	Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City	State	ZIP Code
Juneau	WI	53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	7.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code
Milwaukee	WI	53212

Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.: _ _ _ _ _ _
DNR Well ID No.: NA
County: Dodge
Common Well Name: GP2
Gov't Lot # (if applicable):
¼ / ¼: SE
¼: SW
Section: 33
Township: 12 N
Range: 14 ☒ E ☐ W
Well Location: ft. / M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone S C N
Local Grid Origin: ft. / M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone S C N
Reason For Abandonment: Not needed--samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County
Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau
State: WI
ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole
Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 7.5
Casing Diameter (in.): NA
Lower Drillhole Diameter (in.): 1
Casing Depth (ft.): NA
Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?: NA
Depth to Water (feet): NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	7.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: Chris Peshak
Date of Abandonment: 4/19/09
Street or Route: 111 W. Pleasant Street Suite 105
Telephone Number: (414) 291-2350
City: Milwaukee
State: WI
ZIP Code: 53212
Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP3
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone S C N

Local Grid Origin ☐ ft. / ☒ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone S C N

Reason For Abandonment: Not needed.. samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
7.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID: License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI

Present Well Owner	Original Well Owner
Dodge County	Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City	State	ZIP Code
Juneau	WI	53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	7.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code
Milwaukee	WI	53212

Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _	NA	Dodge

Common Well Name: GP4
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☒ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
7.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County
Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau
State: WI
ZIP Code: 53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	7.5		

Bentonite

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: Chris Peshak
Date of Abandonment: 4/19/09
Street or Route: 111 W. Pleasant Street Suite 105
Telephone Number: (414) 291-2350
City: Milwaukee
State: WI
ZIP Code: 53212
Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _	NA	Dodge

Common Well Name: GPS
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft. / ☒ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed..samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID: License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI

Present Well Owner	Original Well Owner
Dodge County	Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City	State	ZIP Code
Juneau	WI	53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2850

City	State	ZIP Code
Milwaukee	WI	53212

Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _ _	NA	Dodge

Common Well Name: GP6

Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum

NA N / S NA E / W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft. / ☒ M Datum

NA N, NA E / W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained

WI Unique Well No. of Replacement Well: _ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site

Facility ID:

License/Permit/Monitoring No.:

Street Address of Well: 715 N. Spring Street

City, Village or Town: Beaver Dam, WI

Present Well Owner: Dodge County

Original Well Owner: Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City: Juneau State: WI ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
15	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

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Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP7
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	33	12 N	14 ☒ E ☐ W

Well Location ☐ ft / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☒ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID: License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI

Present Well Owner	Original Well Owner
Dodge County	Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City	State	ZIP Code
Juneau	WI	53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP8
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft. / ☒ M Datum
NA N. NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI

Present Well Owner	Original Well Owner
Dodge County	Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City	State	ZIP Code
Juneau	WI	53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	1.5		

Bentonite

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
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Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP9
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	33	12 N	14 ☒ E ☐ W

Well Location ☐ ft. / ☐ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone S C N

Local Grid Origin ☐ ft. / ☐ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone S C N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID: | License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI

Present Well Owner	Original Well Owner
Dodge County	Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City	State	ZIP Code
Juneau	WI	53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	Surface	1.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
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Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP10
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft / ☐ M (Local Grid ☐) Datum
NA ☐ N / ☐ S NA ☐ E / ☐ W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☐ M Datum
NA N, NA ☐ E / ☐ W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County
Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau
State: WI
ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _	NA	Dodge

Common Well Name: GP11
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	33	12 N	14 ☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone S C N

Local Grid Origin ☐ ft. / ☒ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone S C N

Reason For Abandonment: Not needed. samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County
Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau
State: WI
ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _	NA	Dodge

Common Well Name: GP12
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
Zone
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ S C N

Local Grid Origin ☐ ft. / ☒ M Datum
NA N, NA E / W
Zone
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ S C N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County
Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau
State: WI
ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
15	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _ _	NA	Dodge

Common Well Name: GP13

Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft / ☒ M (Local Grid ☐) Datum

NA ☐ N / ☐ S NA ☐ E / ☒ W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☒ M Datum

NA N, NA ☐ E / ☒ W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained

WI Unique Well No. of Replacement Well: _ _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	Surface	1.5		

2. Facility / Owner Information

Facility Name: MIR Site

Facility ID: | License/Permit/Monitoring No.:

Street Address of Well: 715 N. Spring Street

City, Village or Town: Beaver Dam, WI

Present Well Owner: Dodge County | Original Well Owner: Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City: Juneau | State: WI | ZIP Code: 53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _	NA	Dodge

Common Well Name: GP14
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	33	12 N	14 ☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☒ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County
Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau
State: WI
ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: Chris Peshak
Date of Abandonment: 4/19/09
Street or Route: 111 W. Pleasant Street Suite 105
Telephone Number: (414) 291-2350
City: Milwaukee
State: WI
ZIP Code: 53212
Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP15

Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	33	12 N	14 ☒ E ☐ W

Well Location ☐ ft / ☐ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☐ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

2. Facility / Owner Information

Facility Name: MIR Site

Facility ID	License/Permit/Monitoring No.

Street Address of Well: 715 N. Spring Street

City, Village or Town: Beaver Dam, WI

Present Well Owner	Original Well Owner
Dodge County	Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City	State	ZIP Code
Juneau	WI	53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP16
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	33	12 N	14 ☒ E ☐ W

Well Location ☐ ft / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
Zone
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ S C N

Local Grid Origin ☐ ft / ☒ M Datum
NA N, NA E / W
Zone
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ S C N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County
Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau
State: WI
ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
15	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: Chris Peshak
Date of Abandonment: 4/19/09
Street or Route: 111 W. Pleasant Street Suite 105
Telephone Number: (414) 291-2350
City: Milwaukee
State: WI
ZIP Code: 53212
Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP17
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	33	12 N	14 ☒ E ☐ W

Well Location ☐ ft / ☒ M (Local Grid ☐) Datum
NA ☐ N / ☐ S NA ☐ E / ☐ W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☒ M Datum
NA N, NA ☐ E / ☐ W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County
Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau
State: WI
ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
15	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	Surface	1.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: Chris Peshak
Date of Abandonment: 4/19/09
Street or Route: 111 W. Pleasant Street Suite 105
Telephone Number: (414) 291-2350
City: Milwaukee
State: WI
ZIP Code: 53212
Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.: _ _ _ _ _ _ _
DNR Well ID No.: NA
County: Dodge
Common Well Name: GP8
Gov't Lot # (if applicable):
¼ / ¼: SE
¼: SW
Section: 33
Township: 12 N
Range: 14 ☒ E ☐ W
Well Location: ft. / M (Local Grid ☐) Datum
NA N / S NA E / W
Zone
WTM- ☐ UTM- ☐ Latitude/Longitude- ☐ State Plane- ☐ S C N
Local Grid Origin: ft. / M Datum
NA N, NA E / W
Zone
WTM- ☐ UTM- ☐ Latitude/Longitude- ☐ State Plane- ☐ S C N
Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID:
License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County
Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau
State: WI
ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole
Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 1.5
Casing Diameter (in.): NA
Lower Drillhole Diameter (in.): 1
Casing Depth (ft.): NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown
If yes, to what depth (feet)?: NA
Depth to Water (feet): NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: Chris Peshak
Date of Abandonment: 4/19/09
Street or Route: 111 W. Pleasant Street Suite 105
Telephone Number: (414) 291-2350
City: Milwaukee
State: WI
ZIP Code: 53212
Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only
Date Received:
Noted By:
Comments:

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP19
Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum
NA N / S NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft. / ☒ M Datum
NA N, NA E / W
WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained
WI Unique Well No. of Replacement Well: _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

2. Facility / Owner Information

Facility Name: MIR Site
Facility ID: | License/Permit/Monitoring No.:
Street Address of Well: 715 N. Spring Street
City, Village or Town: Beaver Dam, WI
Present Well Owner: Dodge County | Original Well Owner: Dodge County
Street Address or Route of Present Owner: 127 E. Oak Grove Street
City: Juneau | State: WI | ZIP Code: 53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	1.5		

bentonite

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: Chris Peshak
Date of Abandonment: 4/19/09
Street or Route: 111 W. Pleasant Street Suite 105
Telephone Number: (414) 291-2350
City: Milwaukee | State: WI | ZIP Code: 53212
Signature of Person Doing Work: Vicky Loveland for Chris Peshak
Date Signed: 5/12/09

DNR Use Only
Date Received: | Noted By:
Comments:

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
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Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.: _____ | DNR Well ID No.: NA | County: Dodge

Common Well Name: GP20 | Gov't Lot # (if applicable):

¼ / ¼: SE | ¼: SW | Section: 33 | Township: 12 N | Range: 14 ☒ E ☐ W

Well Location ☐ ft / ☒ M (Local Grid ☐) Datum

NA N / S NA E / W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☒ M Datum

NA N. NA E / W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained | WI Unique Well No. of Replacement Well: _____

2. Facility / Owner Information

Facility Name: MIR Site

Facility ID: | License/Permit/Monitoring No.:

Street Address of Well: 715 N. Spring Street

City, Village or Town: Beaver Dam, WI

Present Well Owner: Dodge County | Original Well Owner: Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City: Juneau | State: WI | ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 1.5 | Casing Diameter (in.): NA

Lower Drillhole Diameter (in.): 1 | Casing Depth (ft.): NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? NA | Depth to Water (feet): NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: Chris Peshak | Date of Abandonment: 4/19/09

Street or Route: 111 W. Pleasant Street Suite 105 | Telephone Number: (414) 291-2350

City: Milwaukee | State: WI | ZIP Code: 53212

Signature of Person Doing Work: Vicky Loreland for Chris Peshak | Date Signed: 5/12/09

DNR Use Only

Date Received: | Noted By:

Comments:

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

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Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.: _ _ _ _ _ _ _ | DNR Well ID No.: NA | County: Dodge

Common Well Name: GP4 | Gov't Lot # (if applicable):

¼ / ¼: SE | ¼: SW | Section: 33 | Township: 12 N | Range: 14 ☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum

NA N / S NA E / W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft. / ☒ M Datum

NA N, NA E / W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained | WI Unique Well No. of Replacement Well: _ _ _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 1.5 | Casing Diameter (in.): NA

Lower Drillhole Diameter (in.): 1 | Casing Depth (ft.): NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)? NA | Depth to Water (feet): NA

2. Facility / Owner Information

Facility Name: MIR Site

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 715 N. Spring Street

City, Village or Town: Beaver Dam, WI

Present Well Owner: Dodge County | Original Well Owner: Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City: Juneau | State: WI | ZIP Code: 53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: Chris Peshak | Date of Abandonment: 4/19/09

Street or Route: 111 W. Pleasant Street Suite 105 | Telephone Number: (414) 291-2350

City: Milwaukee | State: WI | ZIP Code: 53212

Signature of Person Doing Work: Vicky Loveland for Chris Peshak | Date Signed: 5/12/09

DNR Use Only

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _ _	NA	Dodge

Common Well Name: GP22

Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range	
SE	SW	33	12 N	14	☒ E ☐ W

Well Location ☐ ft / ☒ M (Local Grid ☐) Datum

NA N / S NA E / W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Local Grid Origin ☐ ft / ☒ M Datum

NA N, NA E / W

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ Zone ☐ S ☐ C ☐ N

Reason For Abandonment: Not needed - samples obtained

WI Unique Well No. of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name: MIR Site

Facility ID:

License/Permit/Monitoring No.:

Street Address of Well: 715 N. Spring Street

City, Village or Town: Beaver Dam, WI

Present Well Owner: Dodge County

Original Well Owner: Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City: Juneau State: WI ZIP Code: 53039

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment	DNR Use Only: Date Received	Noted By
Chris Peshak	4/19/09		
Street or Route	**Telephone Number**	**Comments**	
111 W. Pleasant Street Suite 105	(414) 291-2350		

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 12/04)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County
_ _ _ _ _	NA	Dodge

Common Well Name: GP23

Gov't Lot # (if applicable):

¼ / ¼	¼	Section	Township	Range
SE	SW	33	12 N	14 ☒ E ☐ W

Well Location ☐ ft. / ☒ M (Local Grid ☐) Datum

NA N / S NA E / W

Zone

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ S C N

Local Grid Origin ☐ ft. / ☒ M Datum

NA N, NA E / W

Zone

WTM-☐ UTM-☐ Latitude/Longitude-☐ State Plane-☐ S C N

Reason For Abandonment: Not needed - samples obtained

WI Unique Well No. of Replacement Well: _ _ _ _ _

3. Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date: 4/19/09

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Geoprobe boring

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.)	Casing Diameter (in.)
1.5	NA
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
1	NA

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
NA	NA

2. Facility / Owner Information

Facility Name: MIR Site

Facility ID: | License/Permit/Monitoring No.:

Street Address of Well: 715 N. Spring Street

City, Village or Town: Beaver Dam, WI

Present Well Owner	Original Well Owner
Dodge County	Dodge County

Street Address or Route of Present Owner: 127 E. Oak Grove Street

City	State	ZIP Code
Juneau	WI	53039

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
bentonite	Surface	1.5		

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work	Date of Abandonment
Chris Peshak	4/19/09
Street or Route	**Telephone Number**
111 W. Pleasant Street Suite 105	(414) 291-2350

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Milwaukee	WI	53212	Vicky Loveland for Chris Peshak	5/12/09

DNR Use Only

Date Received	Noted By
Comments	

Attachment B

Soil Sample Laboratory Analytical Results

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 135553 MIR
Pace Project No.: 4016100

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.

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

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

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: MSV/4218

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

Batch: MSV/4220

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

ANALYTE QUALIFIERS

1j	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
2j	Sample was diluted due to insufficient methanol volume.
3j	Surrogate recovery outside laboratory control limits due to methanol leakage.
CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
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.
Z3	Methylene chloride is a common laboratory contaminant. Results for this analyte should be considered estimated unless the amount found in the sample is 3 to 5 times higher than that found in the method blank.

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

LABORATORY CONTROL SAMPLE: 147877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	333	245	74	52-130	
Naphthalene	ug/kg	333	212	64	49-130	
Phenanthrene	ug/kg	333	249	75	52-130	
Pyrene	ug/kg	333	239	72	35-130	
2-Fluorobiphenyl (S)	%			61	38-130	
Terphenyl-d14 (S)	%			71	41-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 147878 147879

Parameter	Units	4016139001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<1.9	350	350	245	204	70	58	38-130	18	42	
2-Methylnaphthalene	ug/kg	<1.9	350	350	236	196	68	56	20-139	19	39	
Acenaphthene	ug/kg	<0.97	350	350	211	180	60	52	42-130	16	32	
Acenaphthylene	ug/kg	<1.8	350	350	219	186	63	53	47-130	16	31	
Anthracene	ug/kg	<4.8	350	350	234	210	67	60	33-134	11	30	
Benzo(a)anthracene	ug/kg	<8.8	350	350	213	196	61	56	27-130	8	25	
Benzo(a)pyrene	ug/kg	<3.8	350	350	227	209	65	60	35-132	9	33	
Benzo(b)fluoranthene	ug/kg	<5.9	350	350	211	197	60	56	27-141	7	39	
Benzo(g,h,i)perylene	ug/kg	<4.4	350	350	191	174	55	50	13-146	9	47	
Benzo(k)fluoranthene	ug/kg	<6.5	350	350	235	214	67	61	18-155	9	31	
Chrysene	ug/kg	<3.6	350	350	211	192	60	55	30-130	10	24	
Dibenz(a,h)anthracene	ug/kg	<4.9	350	350	213	193	61	55	33-130	10	39	
Fluoranthene	ug/kg	<1.2	350	350	234	213	67	61	37-138	9	31	
Fluorene	ug/kg	<0.96	350	350	223	195	64	56	42-130	13	32	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.4	350	350	207	189	59	54	25-134	9	39	
Naphthalene	ug/kg	<1.3	350	350	207	169	59	48	39-130	21	43	
Phenanthrene	ug/kg	<2.1	350	350	218	197	62	56	32-135	10	32	
Pyrene	ug/kg	<1.1	350	350	206	186	59	53	31-130	10	26	
2-Fluorobiphenyl (S)	%						57	47	38-130			
Terphenyl-d14 (S)	%						64	54	41-130			

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(920)469-2436

QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

QC Batch: OEXT/4064 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 4016100009, 4016100010, 4016100011, 4016100012, 4016100013, 4016100014, 4016100015, 4016100016, 4016100017, 4016100018, 4016100019, 4016100020, 4016100021, 4016100022, 4016100023, 4016100024, 4016100025, 4016100026, 4016100027

METHOD BLANK: 147876 Matrix: Solid
Associated Lab Samples: 4016100009, 4016100010, 4016100011, 4016100012, 4016100013, 4016100014, 4016100015, 4016100016, 4016100017, 4016100018, 4016100019, 4016100020, 4016100021, 4016100022, 4016100023, 4016100024, 4016100025, 4016100026, 4016100027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<1.8	16.7	04/21/09 13:38	
2-Methylnaphthalene	ug/kg	<1.9	16.7	04/21/09 13:38	
Acenaphthene	ug/kg	<0.93	16.7	04/21/09 13:38	
Acenaphthylene	ug/kg	<1.7	16.7	04/21/09 13:38	
Anthracene	ug/kg	<4.6	16.7	04/21/09 13:38	
Benzo(a)anthracene	ug/kg	<8.4	16.7	04/21/09 13:38	
Benzo(a)pyrene	ug/kg	<3.6	16.7	04/21/09 13:38	
Benzo(b)fluoranthene	ug/kg	<5.7	16.7	04/21/09 13:38	
Benzo(g,h,i)perylene	ug/kg	<4.2	16.7	04/21/09 13:38	
Benzo(k)fluoranthene	ug/kg	<6.2	16.7	04/21/09 13:38	
Chrysene	ug/kg	<3.4	16.7	04/21/09 13:38	
Dibenz(a,h)anthracene	ug/kg	<4.7	16.7	04/21/09 13:38	
Fluoranthene	ug/kg	<1.1	16.7	04/21/09 13:38	
Fluorene	ug/kg	<0.91	16.7	04/21/09 13:38	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.2	16.7	04/21/09 13:38	
Naphthalene	ug/kg	<1.2	16.7	04/21/09 13:38	
Phenanthrene	ug/kg	<2.0	16.7	04/21/09 13:38	
Pyrene	ug/kg	<1.0	16.7	04/21/09 13:38	
2-Fluorobiphenyl (S)	%	56	38-130	04/21/09 13:38	
Terphenyl-d14 (S)	%	73	41-130	04/21/09 13:38	

LABORATORY CONTROL SAMPLE: 147877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	251	75	50-130	
2-Methylnaphthalene	ug/kg	333	241	72	48-130	
Acenaphthene	ug/kg	333	226	68	51-130	
Acenaphthylene	ug/kg	333	235	70	51-130	
Anthracene	ug/kg	333	267	80	55-130	
Benzo(a)anthracene	ug/kg	333	248	75	37-130	
Benzo(a)pyrene	ug/kg	333	267	80	56-130	
Benzo(b)fluoranthene	ug/kg	333	252	76	55-130	
Benzo(g,h,i)perylene	ug/kg	333	217	65	49-130	
Benzo(k)fluoranthene	ug/kg	333	274	82	61-130	
Chrysene	ug/kg	333	245	73	43-130	
Dibenz(a,h)anthracene	ug/kg	333	251	75	51-130	
Fluoranthene	ug/kg	333	271	81	57-130	
Fluorene	ug/kg	333	246	74	51-130	

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(920)469-2436

QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

LABORATORY CONTROL SAMPLE: 147621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	333	309	93	35-130	
2-Fluorobiphenyl (S)	%			72	38-130	
Terphenyl-d14 (S)	%			85	41-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 147622 147623

Parameter	Units	4016207002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<2.0	365	365	325	354	89	97	38-130	8	42	
2-Methylnaphthalene	ug/kg	<2.0	365	365	316	340	86	93	20-139	7	39	
Acenaphthene	ug/kg	<1.0	365	365	328	334	90	91	42-130	2	32	
Acenaphthylene	ug/kg	<1.9	365	365	338	346	92	95	47-130	2	31	
Anthracene	ug/kg	<5.0	365	365	422	441	115	120	33-134	4	30	
Benzo(a)anthracene	ug/kg	<9.2	365	365	333	351	91	96	27-130	6	25	
Benzo(a)pyrene	ug/kg	<4.0	365	365	363	381	99	104	35-132	5	33	
Benzo(b)fluoranthene	ug/kg	<6.2	365	365	327	361	89	99	27-141	10	39	
Benzo(g,h,i)perylene	ug/kg	<4.6	365	365	347	356	95	97	13-146	3	47	
Benzo(k)fluoranthene	ug/kg	<6.8	365	365	368	369	100	101	18-155	.3	31	
Chrysene	ug/kg	<3.8	365	365	328	348	89	95	30-130	6	24	
Dibenz(a,h)anthracene	ug/kg	<5.1	365	365	355	367	97	100	33-130	4	39	
Fluoranthene	ug/kg	2.6J	365	365	362	373	98	101	37-138	3	31	
Fluorene	ug/kg	<1.0	365	365	346	351	95	96	42-130	1	32	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.6	365	365	352	361	96	99	25-134	2	39	
Naphthalene	ug/kg	<1.4	365	365	293	300	80	82	39-130	2	43	
Phenanthrene	ug/kg	2.6J	365	365	340	355	92	96	32-135	4	32	
Pyrene	ug/kg	2.0J	365	365	331	345	90	94	31-130	4	26	
2-Fluorobiphenyl (S)	%						76	76	38-130			
Terphenyl-d14 (S)	%						83	85	41-130			

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

QC Batch: OEXT/4054 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 4016100001, 4016100002, 4016100003, 4016100004, 4016100005, 4016100006, 4016100007, 4016100008

METHOD BLANK: 147620 Matrix: Solid
Associated Lab Samples: 4016100001, 4016100002, 4016100003, 4016100004, 4016100005, 4016100006, 4016100007, 4016100008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<1.8	16.7	04/20/09 13:37	
2-Methylnaphthalene	ug/kg	<1.9	16.7	04/20/09 13:37	
Acenaphthene	ug/kg	<0.93	16.7	04/20/09 13:37	
Acenaphthylene	ug/kg	<1.7	16.7	04/20/09 13:37	
Anthracene	ug/kg	<4.6	16.7	04/20/09 13:37	
Benzo(a)anthracene	ug/kg	<8.4	16.7	04/20/09 13:37	
Benzo(a)pyrene	ug/kg	<3.6	16.7	04/20/09 13:37	
Benzo(b)fluoranthene	ug/kg	<5.7	16.7	04/20/09 13:37	
Benzo(g,h,i)perylene	ug/kg	<4.2	16.7	04/20/09 13:37	
Benzo(k)fluoranthene	ug/kg	<6.2	16.7	04/20/09 13:37	
Chrysene	ug/kg	<3.4	16.7	04/20/09 13:37	
Dibenz(a,h)anthracene	ug/kg	<4.7	16.7	04/20/09 13:37	
Fluoranthene	ug/kg	<1.1	16.7	04/20/09 13:37	
Fluorene	ug/kg	<0.91	16.7	04/20/09 13:37	
Indeno(1,2,3-cd)pyrene	ug/kg	<4.2	16.7	04/20/09 13:37	
Naphthalene	ug/kg	<1.2	16.7	04/20/09 13:37	
Phenanthrene	ug/kg	<2.0	16.7	04/20/09 13:37	
Pyrene	ug/kg	<1.0	16.7	04/20/09 13:37	
2-Fluorobiphenyl (S)	%	65	38-130	04/20/09 13:37	
Terphenyl-d14 (S)	%	90	41-130	04/20/09 13:37	

LABORATORY CONTROL SAMPLE: 147621

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	309	93	50-130	
2-Methylnaphthalene	ug/kg	333	298	89	48-130	
Acenaphthene	ug/kg	333	288	86	51-130	
Acenaphthylene	ug/kg	333	299	90	51-130	
Anthracene	ug/kg	333	392	118	55-130	
Benzo(a)anthracene	ug/kg	333	320	96	37-130	
Benzo(a)pyrene	ug/kg	333	342	102	56-130	
Benzo(b)fluoranthene	ug/kg	333	323	97	55-130	
Benzo(g,h,i)perylene	ug/kg	333	316	95	49-130	
Benzo(k)fluoranthene	ug/kg	333	340	102	61-130	
Chrysene	ug/kg	333	315	94	43-130	
Dibenz(a,h)anthracene	ug/kg	333	329	99	51-130	
Fluoranthene	ug/kg	333	333	100	57-130	
Fluorene	ug/kg	333	305	91	51-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	326	98	52-130	
Naphthalene	ug/kg	333	265	79	49-130	
Phenanthrene	ug/kg	333	312	93	52-130	

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

QC Batch: MPRP/2452 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 4016100014, 4016100015, 4016100016, 4016100017, 4016100018, 4016100019, 4016100020, 4016100021, 4016100022, 4016100023, 4016100024, 4016100025, 4016100026, 4016100027

METHOD BLANK: 147347 Matrix: Solid
Associated Lab Samples: 4016100014, 4016100015, 4016100016, 4016100017, 4016100018, 4016100019, 4016100020, 4016100021, 4016100022, 4016100023, 4016100024, 4016100025, 4016100026, 4016100027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.12	2.0	04/22/09 00:04	
Cadmium	mg/kg	<0.016	0.50	04/22/09 00:04	
Chromium	mg/kg	<0.047	0.50	04/22/09 00:04	
Lead	mg/kg	<0.069	1.0	04/22/09 00:04	

LABORATORY CONTROL SAMPLE: 147348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	45.9	92	80-120	
Cadmium	mg/kg	50	45.3	91	80-120	
Chromium	mg/kg	50	49.9	100	80-120	
Lead	mg/kg	50	47.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 147349 147350

Parameter	Units	4016100014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.9J	75.6	75.6	66.5	66.3	84	84	75-125	.4	20	
Cadmium	mg/kg	0.20J	75.6	75.6	64.9	64.7	86	85	75-125	.2	20	
Chromium	mg/kg	16.7	75.6	75.6	90.9	93.7	98	102	75-125	3	20	
Lead	mg/kg	13.8	75.6	75.6	81.3	81.6	89	90	75-125	.4	20	

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

QC Batch: MPRP/2451 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 4016100001, 4016100002, 4016100003, 4016100004, 4016100005, 4016100006, 4016100007, 4016100008, 4016100009, 4016100010, 4016100011, 4016100012, 4016100013

METHOD BLANK: 147343 Matrix: Solid
Associated Lab Samples: 4016100001, 4016100002, 4016100003, 4016100004, 4016100005, 4016100006, 4016100007, 4016100008, 4016100009, 4016100010, 4016100011, 4016100012, 4016100013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<0.12	2.0	04/21/09 22:02	
Cadmium	mg/kg	<0.016	0.50	04/21/09 22:02	
Chromium	mg/kg	0.065J	0.50	04/21/09 22:02	
Lead	mg/kg	<0.069	1.0	04/21/09 22:02	

LABORATORY CONTROL SAMPLE: 147344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	45.1	90	80-120	
Cadmium	mg/kg	50	44.4	89	80-120	
Chromium	mg/kg	50	49.2	98	80-120	
Lead	mg/kg	50	46.9	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 147345 147346

Parameter	Units	4016090002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.8J	57	56.9	49.1	48.0	83	81	75-125	2	20	
Cadmium	mg/kg	<0.018	57	56.9	48.5	47.5	85	83	75-125	2	20	
Chromium	mg/kg	27.0	57	56.9	81.7	82.1	96	97	75-125	.5	20	
Lead	mg/kg	2.2	57	56.9	53.0	51.7	89	87	75-125	3	20	

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

LABORATORY CONTROL SAMPLE & LCSD: 147035 147036

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/kg	5000	4890	4990	98	100	75-127	2	20	
Methylene Chloride	ug/kg	2500	2890	2920	116	117	58-144	1	20	
o-Xylene	ug/kg	2500	2400	2440	96	97	75-125	2	20	
Styrene	ug/kg	2500	2280	2300	91	92	75-130	1	20	
Tetrachloroethene	ug/kg	2500	2460	2450	98	98	75-125	.08	20	
Toluene	ug/kg	2500	2370	2400	95	96	75-125	1	20	
trans-1,2-Dichloroethene	ug/kg	2500	2600	2640	104	105	75-125	1	20	
trans-1,3-Dichloropropene	ug/kg	2500	2520	2470	101	99	75-125	2	20	
Trichloroethene	ug/kg	2500	2670	2690	107	108	75-125	.8	20	
Vinyl chloride	ug/kg	2500	2500	2490	100	100	49-125	.5	20	
4-Bromofluorobenzene (S)	%				94	94	64-133			
Dibromofluoromethane (S)	%				112	112	64-140			
Toluene-d8 (S)	%				104	105	67-139			

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

METHOD BLANK: 147034 Matrix: Solid

Associated Lab Samples: 4016100021, 4016100022, 4016100023, 4016100024, 4016100025, 4016100026, 4016100027, 4016100028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/kg	<50.0	120	04/17/09 11:48	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	04/17/09 11:48	
Methylene Chloride	ug/kg	<25.0	60.0	04/17/09 11:48	
n-Butylbenzene	ug/kg	<40.4	60.0	04/17/09 11:48	
n-Propylbenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
Naphthalene	ug/kg	<25.0	60.0	04/17/09 11:48	
o-Xylene	ug/kg	<25.0	60.0	04/17/09 11:48	
p-Isopropyltoluene	ug/kg	<25.0	60.0	04/17/09 11:48	
sec-Butylbenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
Styrene	ug/kg	<25.0	60.0	04/17/09 11:48	
tert-Butylbenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
Tetrachloroethene	ug/kg	<25.0	60.0	04/17/09 11:48	
Toluene	ug/kg	<25.0	60.0	04/17/09 11:48	
trans-1,2-Dichloroethene	ug/kg	<25.0	60.0	04/17/09 11:48	
trans-1,3-Dichloropropene	ug/kg	<25.0	60.0	04/17/09 11:48	
Trichloroethene	ug/kg	<25.0	60.0	04/17/09 11:48	
Trichlorofluoromethane	ug/kg	<25.0	60.0	04/17/09 11:48	
Vinyl chloride	ug/kg	<25.0	60.0	04/17/09 11:48	
4-Bromofluorobenzene (S)	%	95	64-133	04/17/09 11:48	
Dibromofluoromethane (S)	%	111	64-140	04/17/09 11:48	
Toluene-d8 (S)	%	105	67-139	04/17/09 11:48	

LABORATORY CONTROL SAMPLE & LCSD: 147035 147036

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	2850	2960	114	119	75-125	4	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2740	2510	110	100	75-125	9	20	
1,1,2-Trichloroethane	ug/kg	2500	2690	2610	108	105	75-125	3	20	
1,1-Dichloroethane	ug/kg	2500	2610	2620	104	105	75-125	.4	20	
1,1-Dichloroethene	ug/kg	2500	2940	3050	118	122	54-149	4	20	
1,2-Dichloroethane	ug/kg	2500	2850	2830	114	113	75-125	.6	20	
1,2-Dichloropropane	ug/kg	2500	2610	2680	104	107	75-125	3	20	
Benzene	ug/kg	2500	2580	2610	103	105	75-125	1	20	
Bromodichloromethane	ug/kg	2500	2910	2940	116	118	75-125	1	20	
Bromoform	ug/kg	2500	3020	2870	121	115	72-125	5	20	
Bromomethane	ug/kg	2500	3300	3500	132	140	40-159	6	20	
Carbon tetrachloride	ug/kg	2500	3160	3240	126	130	75-125	2	20	
Chlorobenzene	ug/kg	2500	2490	2530	99	101	75-125	2	20	
Chloroethane	ug/kg	2500	4500	4680	180	187	40-179	4	20	CC,L0
Chloroform	ug/kg	2500	2810	2850	112	114	75-125	1	20	
Chloromethane	ug/kg	2500	2460	2510	98	100	42-125	2	20	
cis-1,2-Dichloroethene	ug/kg	2500	2640	2670	106	107	75-125	1	20	
cis-1,3-Dichloropropene	ug/kg	2500	2600	2590	104	104	75-125	.2	20	
Dibromochloromethane	ug/kg	2500	2880	2810	115	113	75-125	3	20	
Ethylbenzene	ug/kg	2500	2420	2460	97	99	75-125	2	20	

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

QC Batch: MSV/4219 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 4016100021, 4016100022, 4016100023, 4016100024, 4016100025, 4016100026, 4016100027, 4016100028

METHOD BLANK: 147034 Matrix: Solid
Associated Lab Samples: 4016100021, 4016100022, 4016100023, 4016100024, 4016100025, 4016100026, 4016100027, 4016100028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<25.0	60.0	04/17/09 11:48	
1,1,1-Trichloroethane	ug/kg	<25.0	60.0	04/17/09 11:48	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	60.0	04/17/09 11:48	
1,1,2-Trichloroethane	ug/kg	<25.0	60.0	04/17/09 11:48	
1,1-Dichloroethane	ug/kg	<25.0	60.0	04/17/09 11:48	
1,1-Dichloroethene	ug/kg	<25.0	60.0	04/17/09 11:48	
1,1-Dichloropropene	ug/kg	<25.0	60.0	04/17/09 11:48	
1,2,3-Trichlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
1,2,3-Trichloropropane	ug/kg	<25.0	60.0	04/17/09 11:48	
1,2,4-Trichlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
1,2-Dibromo-3-chloropropane	ug/kg	<82.3	250	04/17/09 11:48	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	60.0	04/17/09 11:48	
1,2-Dichlorobenzene	ug/kg	<44.4	60.0	04/17/09 11:48	
1,2-Dichloroethane	ug/kg	<25.0	60.0	04/17/09 11:48	
1,2-Dichloropropane	ug/kg	<25.0	60.0	04/17/09 11:48	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
1,3-Dichlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
1,3-Dichloropropane	ug/kg	<25.0	60.0	04/17/09 11:48	
1,4-Dichlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
2,2-Dichloropropane	ug/kg	<25.0	60.0	04/17/09 11:48	
2-Chlorotoluene	ug/kg	<25.0	60.0	04/17/09 11:48	
4-Chlorotoluene	ug/kg	<25.0	60.0	04/17/09 11:48	
Benzene	ug/kg	<25.0	60.0	04/17/09 11:48	
Bromobenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
Bromochloromethane	ug/kg	<25.0	60.0	04/17/09 11:48	
Bromodichloromethane	ug/kg	<25.0	60.0	04/17/09 11:48	
Bromoform	ug/kg	<25.9	60.0	04/17/09 11:48	
Bromomethane	ug/kg	<25.0	60.0	04/17/09 11:48	
Carbon tetrachloride	ug/kg	<25.0	60.0	04/17/09 11:48	
Chlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
Chloroethane	ug/kg	<25.0	60.0	04/17/09 11:48	CC
Chloroform	ug/kg	<25.0	60.0	04/17/09 11:48	
Chloromethane	ug/kg	<25.0	60.0	04/17/09 11:48	
cis-1,2-Dichloroethene	ug/kg	<25.0	60.0	04/17/09 11:48	
cis-1,3-Dichloropropene	ug/kg	<25.0	60.0	04/17/09 11:48	
Dibromochloromethane	ug/kg	<25.0	60.0	04/17/09 11:48	
Dibromomethane	ug/kg	<25.0	60.0	04/17/09 11:48	
Dichlorodifluoromethane	ug/kg	<25.0	60.0	04/17/09 11:48	
Diisopropyl ether	ug/kg	<25.0	60.0	04/17/09 11:48	
Ethylbenzene	ug/kg	<25.0	60.0	04/17/09 11:48	
Hexachloro-1,3-butadiene	ug/kg	<26.4	60.0	04/17/09 11:48	
Isopropylbenzene (Cumene)	ug/kg	<25.0	60.0	04/17/09 11:48	

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

LABORATORY CONTROL SAMPLE & LCSD: 147027 147028

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloromethane	ug/kg	2500	2330	2350	93	94	42-125	.9	20	
cis-1,2-Dichloroethene	ug/kg	2500	2340	2320	93	93	75-125	.8	20	
cis-1,3-Dichloropropene	ug/kg	2500	2200	2250	88	90	75-125	2	20	
Dibromochloromethane	ug/kg	2500	2690	2630	108	105	75-125	2	20	
Ethylbenzene	ug/kg	2500	2340	2340	94	94	75-125	.01	20	
m&p-Xylene	ug/kg	5000	4790	4830	96	97	75-127	.8	20	
Methylene Chloride	ug/kg	2500	2740	2730	110	109	58-144	.4	20	
o-Xylene	ug/kg	2500	2280	2260	91	90	75-125	1	20	
Styrene	ug/kg	2500	2180	2170	87	87	75-130	.6	20	
Tetrachloroethene	ug/kg	2500	2460	2440	98	97	75-125	.9	20	
Toluene	ug/kg	2500	2210	2190	88	88	75-125	.8	20	
trans-1,2-Dichloroethene	ug/kg	2500	2510	2540	100	102	75-125	1	20	
trans-1,3-Dichloropropene	ug/kg	2500	2340	2330	93	93	75-125	.1	20	
Trichloroethene	ug/kg	2500	2440	2470	98	99	75-125	1	20	
Vinyl chloride	ug/kg	2500	2080	2110	83	84	49-125	1	20	
4-Bromofluorobenzene (S)	%				94	92	64-133			
Dibromofluoromethane (S)	%				107	109	64-140			
Toluene-d8 (S)	%				93	92	67-139			

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

METHOD BLANK: 147026 Matrix: Solid

Associated Lab Samples: 4016100001, 4016100002, 4016100003, 4016100004, 4016100005, 4016100006, 4016100007, 4016100008, 4016100009, 4016100010, 4016100011, 4016100012, 4016100013, 4016100014, 4016100015, 4016100016, 4016100017, 4016100018, 4016100019, 4016100020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<25.0	60.0	04/17/09 11:26	
Ethylbenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
Hexachloro-1,3-butadiene	ug/kg	<26.4	60.0	04/17/09 11:26	
Isopropylbenzene (Cumene)	ug/kg	<25.0	60.0	04/17/09 11:26	
m&p-Xylene	ug/kg	<50.0	120	04/17/09 11:26	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	04/17/09 11:26	
Methylene Chloride	ug/kg	<25.0	60.0	04/17/09 11:26	
n-Butylbenzene	ug/kg	<40.4	60.0	04/17/09 11:26	
n-Propylbenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
Naphthalene	ug/kg	<25.0	60.0	04/17/09 11:26	
o-Xylene	ug/kg	<25.0	60.0	04/17/09 11:26	
p-Isopropyltoluene	ug/kg	<25.0	60.0	04/17/09 11:26	
sec-Butylbenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
Styrene	ug/kg	<25.0	60.0	04/17/09 11:26	
tert-Butylbenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
Tetrachloroethene	ug/kg	<25.0	60.0	04/17/09 11:26	
Toluene	ug/kg	<25.0	60.0	04/17/09 11:26	
trans-1,2-Dichloroethene	ug/kg	<25.0	60.0	04/17/09 11:26	
trans-1,3-Dichloropropene	ug/kg	<25.0	60.0	04/17/09 11:26	
Trichloroethene	ug/kg	<25.0	60.0	04/17/09 11:26	
Trichlorofluoromethane	ug/kg	<25.0	60.0	04/17/09 11:26	
Vinyl chloride	ug/kg	<25.0	60.0	04/17/09 11:26	
4-Bromofluorobenzene (S)	%	90	64-133	04/17/09 11:26	
Dibromofluoromethane (S)	%	109	64-140	04/17/09 11:26	
Toluene-d8 (S)	%	96	67-139	04/17/09 11:26	

LABORATORY CONTROL SAMPLE & LCSD: 147027 147028

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	2820	2830	113	113	75-125	.2	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2250	2250	90	90	75-125	.08	20	
1,1,2-Trichloroethane	ug/kg	2500	2430	2400	97	96	75-125	1	20	
1,1-Dichloroethane	ug/kg	2500	2630	2620	105	105	75-125	.4	20	
1,1-Dichloroethene	ug/kg	2500	2650	2690	106	108	54-149	2	20	
1,2-Dichloroethane	ug/kg	2500	2670	2850	107	114	75-125	6	20	
1,2-Dichloropropane	ug/kg	2500	2110	2200	85	88	75-125	4	20	
Benzene	ug/kg	2500	2140	2190	86	88	75-125	2	20	
Bromodichloromethane	ug/kg	2500	2630	2600	105	104	75-125	.9	20	
Bromoform	ug/kg	2500	2230	2320	89	93	72-125	4	20	
Bromomethane	ug/kg	2500	3450	3550	138	142	40-159	3	20	
Carbon tetrachloride	ug/kg	2500	2990	3080	120	123	75-125	3	20	
Chlorobenzene	ug/kg	2500	2420	2360	97	95	75-125	2	20	
Chloroethane	ug/kg	2500	2910	2830	117	113	40-179	3	20	
Chloroform	ug/kg	2500	2700	2710	108	108	75-125	.6	20	

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

QC Batch: MSV/4217 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 4016100001, 4016100002, 4016100003, 4016100004, 4016100005, 4016100006, 4016100007, 4016100008, 4016100009, 4016100010, 4016100011, 4016100012, 4016100013, 4016100014, 4016100015, 4016100016, 4016100017, 4016100018, 4016100019, 4016100020

METHOD BLANK: 147026 Matrix: Solid
Associated Lab Samples: 4016100001, 4016100002, 4016100003, 4016100004, 4016100005, 4016100006, 4016100007, 4016100008, 4016100009, 4016100010, 4016100011, 4016100012, 4016100013, 4016100014, 4016100015, 4016100016, 4016100017, 4016100018, 4016100019, 4016100020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<25.0	60.0	04/17/09 11:26	
1,1,1-Trichloroethane	ug/kg	<25.0	60.0	04/17/09 11:26	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	60.0	04/17/09 11:26	
1,1,2-Trichloroethane	ug/kg	<25.0	60.0	04/17/09 11:26	
1,1-Dichloroethane	ug/kg	<25.0	60.0	04/17/09 11:26	
1,1-Dichloroethene	ug/kg	<25.0	60.0	04/17/09 11:26	
1,1-Dichloropropene	ug/kg	<25.0	60.0	04/17/09 11:26	
1,2,3-Trichlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
1,2,3-Trichloropropane	ug/kg	<25.0	60.0	04/17/09 11:26	
1,2,4-Trichlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
1,2-Dibromo-3-chloropropane	ug/kg	<82.3	250	04/17/09 11:26	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	60.0	04/17/09 11:26	
1,2-Dichlorobenzene	ug/kg	<44.4	60.0	04/17/09 11:26	
1,2-Dichloroethane	ug/kg	<25.0	60.0	04/17/09 11:26	
1,2-Dichloropropane	ug/kg	<25.0	60.0	04/17/09 11:26	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
1,3-Dichlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
1,3-Dichloropropane	ug/kg	<25.0	60.0	04/17/09 11:26	
1,4-Dichlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
2,2-Dichloropropane	ug/kg	<25.0	60.0	04/17/09 11:26	
2-Chlorotoluene	ug/kg	<25.0	60.0	04/17/09 11:26	
4-Chlorotoluene	ug/kg	<25.0	60.0	04/17/09 11:26	
Benzene	ug/kg	<25.0	60.0	04/17/09 11:26	
Bromobenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
Bromochloromethane	ug/kg	<25.0	60.0	04/17/09 11:26	
Bromodichloromethane	ug/kg	<25.0	60.0	04/17/09 11:26	
Bromoform	ug/kg	<25.9	60.0	04/17/09 11:26	
Bromomethane	ug/kg	<25.0	60.0	04/17/09 11:26	
Carbon tetrachloride	ug/kg	<25.0	60.0	04/17/09 11:26	
Chlorobenzene	ug/kg	<25.0	60.0	04/17/09 11:26	
Chloroethane	ug/kg	<25.0	60.0	04/17/09 11:26	
Chloroform	ug/kg	<25.0	60.0	04/17/09 11:26	
Chloromethane	ug/kg	<25.0	60.0	04/17/09 11:26	
cis-1,2-Dichloroethene	ug/kg	<25.0	60.0	04/17/09 11:26	
cis-1,3-Dichloropropene	ug/kg	<25.0	60.0	04/17/09 11:26	
Dibromochloromethane	ug/kg	<25.0	60.0	04/17/09 11:26	
Dibromomethane	ug/kg	<25.0	60.0	04/17/09 11:26	
Dichlorodifluoromethane	ug/kg	<25.0	60.0	04/17/09 11:26	

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

QC Batch: PMST/2379 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4016100012, 4016100013, 4016100014, 4016100015, 4016100016, 4016100017, 4016100018, 4016100019, 4016100020, 4016100021, 4016100022, 4016100023, 4016100024, 4016100025, 4016100026, 4016100027

SAMPLE DUPLICATE: 146729

Parameter	Units	4016100012 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.1	19.4	4	10	

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QUALITY CONTROL DATA

Project: 135553 MIR
Pace Project No.: 4016100

QC Batch: PMST/2378 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4016100001, 4016100002, 4016100003, 4016100004, 4016100005, 4016100006, 4016100007, 4016100008, 4016100009, 4016100010, 4016100011

SAMPLE DUPLICATE: 146726

Parameter	Units	4016082001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	97.2	97.2	.04	10	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: TRIP BLANK **Lab ID: 4016100028** Collected: 04/14/09 00:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:58	04/17/09 12:58	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	95-47-6	W
Dibromofluoromethane (S)	106	%	70-150		1	04/17/09 10:58	04/17/09 12:58	1868-53-7	
Toluene-d8 (S)	99	%	70-155		1	04/17/09 10:58	04/17/09 12:58	2037-26-5	
4-Bromofluorobenzene (S)	88	%	70-147		1	04/17/09 10:58	04/17/09 12:58	460-00-4	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: TRIP BLANK **Lab ID: 4016100028** Collected: 04/14/09 00:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
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	04/17/09 10:58	04/17/09 12:58	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:58	04/17/09 12:58	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:58	04/17/09 12:58	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	75-00-3	CC,L1, W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:58	04/17/09 12:58	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:58	04/17/09 12:58	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:58	04/17/09 12:58	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 12:58	103-65-1	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP9 **Lab ID: 4016100027** Collected: 04/14/09 11:55 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromofluoromethane (S)	154	%	70-150		1	04/17/09 10:58	04/17/09 15:40	1868-53-7	S3
Toluene-d8 (S)	144	%	70-155		1	04/17/09 10:58	04/17/09 15:40	2037-26-5	
4-Bromofluorobenzene (S)	130	%	70-147		1	04/17/09 10:58	04/17/09 15:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.5**	%	0.10	0.10	1		04/17/09 08:31		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP9 **Lab ID: 4016100027** Collected: 04/14/09 11:55 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:58	04/17/09 15:40	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:58	04/17/09 15:40	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:58	04/17/09 15:40	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:58	04/17/09 15:40	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	95-47-6	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP9 **Lab ID: 4016100027** Collected: 04/14/09 11:55 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.2**	mg/kg	1.9	0.11	1	04/21/09 06:20	04/22/09 01:32	7440-38-2	
Cadmium	**0.19J**	mg/kg	0.48	0.015	1	04/21/09 06:20	04/22/09 01:32	7440-43-9	
Chromium	**16.0**	mg/kg	0.48	0.046	1	04/21/09 06:20	04/22/09 01:32	7440-47-3	
Lead	**15.8**	mg/kg	0.97	0.067	1	04/21/09 06:20	04/22/09 01:32	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**1.8J**	ug/kg	21.2	1.2	1	04/21/09 11:08	04/21/09 20:07	83-32-9	
Acenaphthylene	**16.5J**	ug/kg	21.2	2.2	1	04/21/09 11:08	04/21/09 20:07	208-96-8	
Anthracene	**22.1**	ug/kg	21.2	5.8	1	04/21/09 11:08	04/21/09 20:07	120-12-7	
Benzo(a)anthracene	**61.7**	ug/kg	21.2	10.6	1	04/21/09 11:08	04/21/09 20:07	56-55-3	
Benzo(a)pyrene	**80.2**	ug/kg	21.2	4.6	1	04/21/09 11:08	04/21/09 20:07	50-32-8	
Benzo(b)fluoranthene	**91.8**	ug/kg	21.2	7.2	1	04/21/09 11:08	04/21/09 20:07	205-99-2	
Benzo(g,h,i)perylene	**58.5**	ug/kg	21.2	5.4	1	04/21/09 11:08	04/21/09 20:07	191-24-2	
Benzo(k)fluoranthene	**84.1**	ug/kg	21.2	7.9	1	04/21/09 11:08	04/21/09 20:07	207-08-9	
Chrysene	**89.8**	ug/kg	21.2	4.4	1	04/21/09 11:08	04/21/09 20:07	218-01-9	
Dibenz(a,h)anthracene	**27.9**	ug/kg	21.2	5.9	1	04/21/09 11:08	04/21/09 20:07	53-70-3	
Fluoranthene	**157**	ug/kg	21.2	1.4	1	04/21/09 11:08	04/21/09 20:07	206-44-0	
Fluorene	**3.2J**	ug/kg	21.2	1.2	1	04/21/09 11:08	04/21/09 20:07	86-73-7	
Indeno(1,2,3-cd)pyrene	**62.1**	ug/kg	21.2	5.3	1	04/21/09 11:08	04/21/09 20:07	193-39-5	
1-Methylnaphthalene	**3.5J**	ug/kg	21.2	2.3	1	04/21/09 11:08	04/21/09 20:07	90-12-0	
2-Methylnaphthalene	**5.4J**	ug/kg	21.2	2.4	1	04/21/09 11:08	04/21/09 20:07	91-57-6	
Naphthalene	**5.3J**	ug/kg	21.2	1.6	1	04/21/09 11:08	04/21/09 20:07	91-20-3	
Phenanthrene	**54.3**	ug/kg	21.2	2.5	1	04/21/09 11:08	04/21/09 20:07	85-01-8	
Pyrene	**118**	ug/kg	21.2	1.3	1	04/21/09 11:08	04/21/09 20:07	129-00-0	
2-Fluorobiphenyl (S)	55	%	38-130		1	04/21/09 11:08	04/21/09 20:07	321-60-8	
Terphenyl-d14 (S)	61	%	41-130		1	04/21/09 11:08	04/21/09 20:07	1718-51-0	
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	04/17/09 10:58	04/17/09 15:40	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:58	04/17/09 15:40	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:58	04/17/09 15:40	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	75-00-3	CC,L1, W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:40	106-43-4	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP10 **Lab ID: 4016100026** Collected: 04/14/09 11:45 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromofluoromethane (S)	153	%	70-150		1	04/17/09 10:58	04/17/09 15:17	1868-53-7	S3
Toluene-d8 (S)	145	%	70-155		1	04/17/09 10:58	04/17/09 15:17	2037-26-5	
4-Bromofluorobenzene (S)	127	%	70-147		1	04/17/09 10:58	04/17/09 15:17	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.1**	%	0.10	0.10	1		04/17/09 08:31		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP10 **Lab ID: 4016100026** Collected: 04/14/09 11:45 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:58	04/17/09 15:17	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:58	04/17/09 15:17	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:58	04/17/09 15:17	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:58	04/17/09 15:17	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	95-47-6	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP10 **Lab ID: 4016100026** Collected: 04/14/09 11:45 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.2**	mg/kg	1.6	0.092	1	04/21/09 06:20	04/22/09 01:28	7440-38-2	
Cadmium	**0.19J**	mg/kg	0.40	0.012	1	04/21/09 06:20	04/22/09 01:28	7440-43-9	
Chromium	**13.4**	mg/kg	0.40	0.037	1	04/21/09 06:20	04/22/09 01:28	7440-47-3	
Lead	**12.4**	mg/kg	0.80	0.055	1	04/21/09 06:20	04/22/09 01:28	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**4.5J**	ug/kg	19.0	1.1	1	04/21/09 11:08	04/21/09 19:50	83-32-9	
Acenaphthylene	**23.5**	ug/kg	19.0	1.9	1	04/21/09 11:08	04/21/09 19:50	208-96-8	
Anthracene	**37.4**	ug/kg	19.0	5.2	1	04/21/09 11:08	04/21/09 19:50	120-12-7	
Benzo(a)anthracene	**96.1**	ug/kg	19.0	9.5	1	04/21/09 11:08	04/21/09 19:50	56-55-3	
Benzo(a)pyrene	**114**	ug/kg	19.0	4.1	1	04/21/09 11:08	04/21/09 19:50	50-32-8	
Benzo(b)fluoranthene	**108**	ug/kg	19.0	6.4	1	04/21/09 11:08	04/21/09 19:50	205-99-2	
Benzo(g,h,i)perylene	**71.1**	ug/kg	19.0	4.8	1	04/21/09 11:08	04/21/09 19:50	191-24-2	
Benzo(k)fluoranthene	**113**	ug/kg	19.0	7.1	1	04/21/09 11:08	04/21/09 19:50	207-08-9	
Chrysene	**110**	ug/kg	19.0	3.9	1	04/21/09 11:08	04/21/09 19:50	218-01-9	
Dibenz(a,h)anthracene	**30.5**	ug/kg	19.0	5.3	1	04/21/09 11:08	04/21/09 19:50	53-70-3	
Fluoranthene	**215**	ug/kg	19.0	1.3	1	04/21/09 11:08	04/21/09 19:50	206-44-0	
Fluorene	**5.1J**	ug/kg	19.0	1.0	1	04/21/09 11:08	04/21/09 19:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**76.4**	ug/kg	19.0	4.8	1	04/21/09 11:08	04/21/09 19:50	193-39-5	
1-Methylnaphthalene	**2.9J**	ug/kg	19.0	2.1	1	04/21/09 11:08	04/21/09 19:50	90-12-0	
2-Methylnaphthalene	**4.3J**	ug/kg	19.0	2.1	1	04/21/09 11:08	04/21/09 19:50	91-57-6	
Naphthalene	**5.6J**	ug/kg	19.0	1.4	1	04/21/09 11:08	04/21/09 19:50	91-20-3	
Phenanthrene	**76.1**	ug/kg	19.0	2.3	1	04/21/09 11:08	04/21/09 19:50	85-01-8	
Pyrene	**166**	ug/kg	19.0	1.2	1	04/21/09 11:08	04/21/09 19:50	129-00-0	
2-Fluorobiphenyl (S)	58	%	38-130		1	04/21/09 11:08	04/21/09 19:50	321-60-8	
Terphenyl-d14 (S)	68	%	41-130		1	04/21/09 11:08	04/21/09 19:50	1718-51-0	
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	04/17/09 10:58	04/17/09 15:17	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:58	04/17/09 15:17	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:58	04/17/09 15:17	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	75-00-3	CC,L1, W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 15:17	106-43-4	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP12 **Lab ID: 4016100025** Collected: 04/14/09 11:35 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromofluoromethane (S)	146	%	70-150		1	04/17/09 10:58	04/17/09 14:54	1868-53-7	
Toluene-d8 (S)	142	%	70-155		1	04/17/09 10:58	04/17/09 14:54	2037-26-5	
4-Bromofluorobenzene (S)	122	%	70-147		1	04/17/09 10:58	04/17/09 14:54	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.3**	%	0.10	0.10	1		04/17/09 08:31		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP12 **Lab ID: 4016100025** Collected: 04/14/09 11:35 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:58	04/17/09 14:54	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:58	04/17/09 14:54	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:58	04/17/09 14:54	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:58	04/17/09 14:54	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	95-47-6	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP12 **Lab ID: 4016100025** Collected: 04/14/09 11:35 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.2J**	mg/kg	2.4	0.14	1	04/21/09 06:20	04/22/09 01:24	7440-38-2	
Cadmium	**0.17J**	mg/kg	0.60	0.019	1	04/21/09 06:20	04/22/09 01:24	7440-43-9	
Chromium	**16.8**	mg/kg	0.60	0.056	1	04/21/09 06:20	04/22/09 01:24	7440-47-3	
Lead	**15.2**	mg/kg	1.2	0.082	1	04/21/09 06:20	04/22/09 01:24	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**1.8J**	ug/kg	20.6	1.1	1	04/21/09 11:08	04/21/09 20:24	83-32-9	
Acenaphthylene	**12.1J**	ug/kg	20.6	2.1	1	04/21/09 11:08	04/21/09 20:24	208-96-8	
Anthracene	**17.7J**	ug/kg	20.6	5.7	1	04/21/09 11:08	04/21/09 20:24	120-12-7	
Benzo(a)anthracene	**50.1**	ug/kg	20.6	10.3	1	04/21/09 11:08	04/21/09 20:24	56-55-3	
Benzo(a)pyrene	**57.0**	ug/kg	20.6	4.5	1	04/21/09 11:08	04/21/09 20:24	50-32-8	
Benzo(b)fluoranthene	**62.5**	ug/kg	20.6	7.0	1	04/21/09 11:08	04/21/09 20:24	205-99-2	
Benzo(g,h,i)perylene	**39.7**	ug/kg	20.6	5.2	1	04/21/09 11:08	04/21/09 20:24	191-24-2	
Benzo(k)fluoranthene	**57.9**	ug/kg	20.6	7.7	1	04/21/09 11:08	04/21/09 20:24	207-08-9	
Chrysene	**65.6**	ug/kg	20.6	4.3	1	04/21/09 11:08	04/21/09 20:24	218-01-9	
Dibenz(a,h)anthracene	**19.5J**	ug/kg	20.6	5.8	1	04/21/09 11:08	04/21/09 20:24	53-70-3	
Fluoranthene	**120**	ug/kg	20.6	1.4	1	04/21/09 11:08	04/21/09 20:24	206-44-0	
Fluorene	**2.5J**	ug/kg	20.6	1.1	1	04/21/09 11:08	04/21/09 20:24	86-73-7	
Indeno(1,2,3-cd)pyrene	**39.1**	ug/kg	20.6	5.2	1	04/21/09 11:08	04/21/09 20:24	193-39-5	
1-Methylnaphthalene	**2.3J**	ug/kg	20.6	2.3	1	04/21/09 11:08	04/21/09 20:24	90-12-0	
2-Methylnaphthalene	**3.8J**	ug/kg	20.6	2.3	1	04/21/09 11:08	04/21/09 20:24	91-57-6	
Naphthalene	**4.8J**	ug/kg	20.6	1.5	1	04/21/09 11:08	04/21/09 20:24	91-20-3	
Phenanthrene	**43.5**	ug/kg	20.6	2.5	1	04/21/09 11:08	04/21/09 20:24	85-01-8	
Pyrene	**91.8**	ug/kg	20.6	1.3	1	04/21/09 11:08	04/21/09 20:24	129-00-0	
2-Fluorobiphenyl (S)	67	%	38-130		1	04/21/09 11:08	04/21/09 20:24	321-60-8	
Terphenyl-d14 (S)	71	%	41-130		1	04/21/09 11:08	04/21/09 20:24	1718-51-0	
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	04/17/09 10:58	04/17/09 14:54	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:58	04/17/09 14:54	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:58	04/17/09 14:54	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	75-00-3	CC,L1, W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:54	106-43-4	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP11 **Lab ID: 4016100024** Collected: 04/14/09 11:25 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromofluoromethane (S)	137	%	70-150		1	04/17/09 10:58	04/17/09 14:30	1868-53-7	
Toluene-d8 (S)	129	%	70-155		1	04/17/09 10:58	04/17/09 14:30	2037-26-5	
4-Bromofluorobenzene (S)	113	%	70-147		1	04/17/09 10:58	04/17/09 14:30	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.7**	%	0.10	0.10	1		04/17/09 08:31		

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(920)469-2436

ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP11 **Lab ID: 4016100024** Collected: 04/14/09 11:25 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:58	04/17/09 14:30	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:58	04/17/09 14:30	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:58	04/17/09 14:30	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:58	04/17/09 14:30	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	95-47-6	W

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP11 **Lab ID: 4016100024** Collected: 04/14/09 11:25 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.3**	mg/kg	2.0	0.12	1	04/21/09 06:20	04/22/09 01:19	7440-38-2	
Cadmium	**0.18J**	mg/kg	0.50	0.016	1	04/21/09 06:20	04/22/09 01:19	7440-43-9	
Chromium	**14.3**	mg/kg	0.50	0.047	1	04/21/09 06:20	04/22/09 01:19	7440-47-3	
Lead	**11.2**	mg/kg	1.0	0.070	1	04/21/09 06:20	04/22/09 01:19	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**8.6J**	ug/kg	20.8	1.2	1	04/21/09 11:08	04/21/09 19:33	83-32-9	
Acenaphthylene	**17.6J**	ug/kg	20.8	2.1	1	04/21/09 11:08	04/21/09 19:33	208-96-8	
Anthracene	**37.7**	ug/kg	20.8	5.7	1	04/21/09 11:08	04/21/09 19:33	120-12-7	
Benzo(a)anthracene	**93.1**	ug/kg	20.8	10.4	1	04/21/09 11:08	04/21/09 19:33	56-55-3	
Benzo(a)pyrene	**100**	ug/kg	20.8	4.5	1	04/21/09 11:08	04/21/09 19:33	50-32-8	
Benzo(b)fluoranthene	**104**	ug/kg	20.8	7.0	1	04/21/09 11:08	04/21/09 19:33	205-99-2	
Benzo(g,h,i)perylene	**61.5**	ug/kg	20.8	5.2	1	04/21/09 11:08	04/21/09 19:33	191-24-2	
Benzo(k)fluoranthene	**102**	ug/kg	20.8	7.7	1	04/21/09 11:08	04/21/09 19:33	207-08-9	
Chrysene	**113**	ug/kg	20.8	4.3	1	04/21/09 11:08	04/21/09 19:33	218-01-9	
Dibenz(a,h)anthracene	**27.5**	ug/kg	20.8	5.8	1	04/21/09 11:08	04/21/09 19:33	53-70-3	
Fluoranthene	**244**	ug/kg	20.8	1.4	1	04/21/09 11:08	04/21/09 19:33	206-44-0	
Fluorene	**10.3J**	ug/kg	20.8	1.1	1	04/21/09 11:08	04/21/09 19:33	86-73-7	
Indeno(1,2,3-cd)pyrene	**63.8**	ug/kg	20.8	5.2	1	04/21/09 11:08	04/21/09 19:33	193-39-5	
1-Methylnaphthalene	**4.7J**	ug/kg	20.8	2.3	1	04/21/09 11:08	04/21/09 19:33	90-12-0	
2-Methylnaphthalene	**7.5J**	ug/kg	20.8	2.3	1	04/21/09 11:08	04/21/09 19:33	91-57-6	
Naphthalene	**9.5J**	ug/kg	20.8	1.5	1	04/21/09 11:08	04/21/09 19:33	91-20-3	
Phenanthrene	**115**	ug/kg	20.8	2.5	1	04/21/09 11:08	04/21/09 19:33	85-01-8	
Pyrene	**179**	ug/kg	20.8	1.3	1	04/21/09 11:08	04/21/09 19:33	129-00-0	
2-Fluorobiphenyl (S)	62	%	38-130		1	04/21/09 11:08	04/21/09 19:33	321-60-8	
Terphenyl-d14 (S)	67	%	41-130		1	04/21/09 11:08	04/21/09 19:33	1718-51-0	
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	04/17/09 10:58	04/17/09 14:30	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:58	04/17/09 14:30	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:58	04/17/09 14:30	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	75-00-3	CC,L1, W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:30	106-43-4	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP16 **Lab ID: 4016100023** Collected: 04/14/09 12:25 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromofluoromethane (S)	148	%	70-150		1	04/17/09 10:58	04/17/09 14:07	1868-53-7	
Toluene-d8 (S)	143	%	70-155		1	04/17/09 10:58	04/17/09 14:07	2037-26-5	
4-Bromofluorobenzene (S)	126	%	70-147		1	04/17/09 10:58	04/17/09 14:07	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.3**	%	0.10	0.10	1		04/17/09 08:31		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP16 **Lab ID: 4016100023** Collected: 04/14/09 12:25 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:58	04/17/09 14:07	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:58	04/17/09 14:07	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:58	04/17/09 14:07	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:58	04/17/09 14:07	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	95-47-6	W

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP16 **Lab ID: 4016100023** Collected: 04/14/09 12:25 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.9**	mg/kg	1.9	0.11	1	04/21/09 06:20	04/22/09 01:15	7440-38-2	
Cadmium	**0.12J**	mg/kg	0.47	0.015	1	04/21/09 06:20	04/22/09 01:15	7440-43-9	
Chromium	**19.6**	mg/kg	0.47	0.044	1	04/21/09 06:20	04/22/09 01:15	7440-47-3	
Lead	**14.8**	mg/kg	0.93	0.064	1	04/21/09 06:20	04/22/09 01:15	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**2.1J**	ug/kg	20.9	1.2	1	04/21/09 11:08	04/21/09 19:17	83-32-9	
Acenaphthylene	**5.8J**	ug/kg	20.9	2.1	1	04/21/09 11:08	04/21/09 19:17	208-96-8	
Anthracene	**12.3J**	ug/kg	20.9	5.7	1	04/21/09 11:08	04/21/09 19:17	120-12-7	
Benzo(a)anthracene	**33.5**	ug/kg	20.9	10.5	1	04/21/09 11:08	04/21/09 19:17	56-55-3	
Benzo(a)pyrene	**38.6**	ug/kg	20.9	4.5	1	04/21/09 11:08	04/21/09 19:17	50-32-8	
Benzo(b)fluoranthene	**47.9**	ug/kg	20.9	7.1	1	04/21/09 11:08	04/21/09 19:17	205-99-2	
Benzo(g,h,i)perylene	**26.8**	ug/kg	20.9	5.3	1	04/21/09 11:08	04/21/09 19:17	191-24-2	
Benzo(k)fluoranthene	**40.8**	ug/kg	20.9	7.8	1	04/21/09 11:08	04/21/09 19:17	207-08-9	
Chrysene	**49.6**	ug/kg	20.9	4.3	1	04/21/09 11:08	04/21/09 19:17	218-01-9	
Dibenz(a,h)anthracene	**10.7J**	ug/kg	20.9	5.8	1	04/21/09 11:08	04/21/09 19:17	53-70-3	
Fluoranthene	**91.2**	ug/kg	20.9	1.4	1	04/21/09 11:08	04/21/09 19:17	206-44-0	
Fluorene	**3.3J**	ug/kg	20.9	1.1	1	04/21/09 11:08	04/21/09 19:17	86-73-7	
Indeno(1,2,3-cd)pyrene	**28.2**	ug/kg	20.9	5.3	1	04/21/09 11:08	04/21/09 19:17	193-39-5	
1-Methylnaphthalene	**12.2J**	ug/kg	20.9	2.3	1	04/21/09 11:08	04/21/09 19:17	90-12-0	
2-Methylnaphthalene	**13.6J**	ug/kg	20.9	2.3	1	04/21/09 11:08	04/21/09 19:17	91-57-6	
Naphthalene	**4.3J**	ug/kg	20.9	1.5	1	04/21/09 11:08	04/21/09 19:17	91-20-3	
Phenanthrene	**38.1**	ug/kg	20.9	2.5	1	04/21/09 11:08	04/21/09 19:17	85-01-8	
Pyrene	**68.1**	ug/kg	20.9	1.3	1	04/21/09 11:08	04/21/09 19:17	129-00-0	
2-Fluorobiphenyl (S)	51	%	38-130		1	04/21/09 11:08	04/21/09 19:17	321-60-8	
Terphenyl-d14 (S)	56	%	41-130		1	04/21/09 11:08	04/21/09 19:17	1718-51-0	
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	04/17/09 10:58	04/17/09 14:07	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:58	04/17/09 14:07	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:58	04/17/09 14:07	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	75-00-3	CC,L1, W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 14:07	106-43-4	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP15 **Lab ID: 4016100022** Collected: 04/14/09 12:20 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromofluoromethane (S)	152	%	70-150		1	04/17/09 10:58	04/17/09 13:44	1868-53-7	S3
Toluene-d8 (S)	143	%	70-155		1	04/17/09 10:58	04/17/09 13:44	2037-26-5	
4-Bromofluorobenzene (S)	129	%	70-147		1	04/17/09 10:58	04/17/09 13:44	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.7**	%	0.10	0.10	1		04/17/09 08:31		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP15 **Lab ID: 4016100022** Collected: 04/14/09 12:20 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:58	04/17/09 13:44	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:58	04/17/09 13:44	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:58	04/17/09 13:44	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:58	04/17/09 13:44	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	95-47-6	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP15 **Lab ID: 4016100022** Collected: 04/14/09 12:20 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.9**	mg/kg	1.8	0.10	1	04/21/09 06:20	04/22/09 01:11	7440-38-2	
Cadmium	**0.11J**	mg/kg	0.45	0.014	1	04/21/09 06:20	04/22/09 01:11	7440-43-9	
Chromium	**20.4**	mg/kg	0.45	0.042	1	04/21/09 06:20	04/22/09 01:11	7440-47-3	
Lead	**11.5**	mg/kg	0.89	0.062	1	04/21/09 06:20	04/22/09 01:11	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<1.2**	ug/kg	21.0	1.2	1	04/21/09 11:08	04/21/09 19:00	83-32-9	
Acenaphthylene	**5.5J**	ug/kg	21.0	2.1	1	04/21/09 11:08	04/21/09 19:00	208-96-8	
Anthracene	**10.0J**	ug/kg	21.0	5.8	1	04/21/09 11:08	04/21/09 19:00	120-12-7	
Benzo(a)anthracene	**33.3**	ug/kg	21.0	10.5	1	04/21/09 11:08	04/21/09 19:00	56-55-3	
Benzo(a)pyrene	**38.4**	ug/kg	21.0	4.6	1	04/21/09 11:08	04/21/09 19:00	50-32-8	
Benzo(b)fluoranthene	**41.4**	ug/kg	21.0	7.1	1	04/21/09 11:08	04/21/09 19:00	205-99-2	
Benzo(g,h,i)perylene	**25.3**	ug/kg	21.0	5.3	1	04/21/09 11:08	04/21/09 19:00	191-24-2	
Benzo(k)fluoranthene	**41.4**	ug/kg	21.0	7.8	1	04/21/09 11:08	04/21/09 19:00	207-08-9	
Chrysene	**45.5**	ug/kg	21.0	4.3	1	04/21/09 11:08	04/21/09 19:00	218-01-9	
Dibenz(a,h)anthracene	**10.2J**	ug/kg	21.0	5.9	1	04/21/09 11:08	04/21/09 19:00	53-70-3	
Fluoranthene	**90.8**	ug/kg	21.0	1.4	1	04/21/09 11:08	04/21/09 19:00	206-44-0	
Fluorene	**1.8J**	ug/kg	21.0	1.1	1	04/21/09 11:08	04/21/09 19:00	86-73-7	
Indeno(1,2,3-cd)pyrene	**26.5**	ug/kg	21.0	5.3	1	04/21/09 11:08	04/21/09 19:00	193-39-5	
1-Methylnaphthalene	**<2.3**	ug/kg	21.0	2.3	1	04/21/09 11:08	04/21/09 19:00	90-12-0	
2-Methylnaphthalene	**<2.3**	ug/kg	21.0	2.3	1	04/21/09 11:08	04/21/09 19:00	91-57-6	
Naphthalene	**2.7J**	ug/kg	21.0	1.6	1	04/21/09 11:08	04/21/09 19:00	91-20-3	
Phenanthrene	**31.2**	ug/kg	21.0	2.5	1	04/21/09 11:08	04/21/09 19:00	85-01-8	
Pyrene	**68.5**	ug/kg	21.0	1.3	1	04/21/09 11:08	04/21/09 19:00	129-00-0	
2-Fluorobiphenyl (S)	63	%	38-130		1	04/21/09 11:08	04/21/09 19:00	321-60-8	
Terphenyl-d14 (S)	70	%	41-130		1	04/21/09 11:08	04/21/09 19:00	1718-51-0	
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	04/17/09 10:58	04/17/09 13:44	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:58	04/17/09 13:44	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:58	04/17/09 13:44	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	75-00-3	CC,L1, W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:44	106-43-4	W

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(920)469-2436

ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP14 **Lab ID: 4016100021** Collected: 04/14/09 12:10 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromofluoromethane (S)	130	%	70-150		1	04/17/09 10:58	04/17/09 13:21	1868-53-7	
Toluene-d8 (S)	127	%	70-155		1	04/17/09 10:58	04/17/09 13:21	2037-26-5	
4-Bromofluorobenzene (S)	111	%	70-147		1	04/17/09 10:58	04/17/09 13:21	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.0**	%	0.10	0.10	1		04/17/09 08:31		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP14 **Lab ID: 4016100021** Collected: 04/14/09 12:10 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:58	04/17/09 13:21	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:58	04/17/09 13:21	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:58	04/17/09 13:21	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:58	04/17/09 13:21	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	95-47-6	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP14 **Lab ID: 4016100021** Collected: 04/14/09 12:10 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.3**	mg/kg	1.6	0.093	1	04/21/09 06:20	04/22/09 00:59	7440-38-2	
Cadmium	**0.084J**	mg/kg	0.40	0.013	1	04/21/09 06:20	04/22/09 00:59	7440-43-9	
Chromium	**8.0**	mg/kg	0.40	0.038	1	04/21/09 06:20	04/22/09 00:59	7440-47-3	
Lead	**3.1**	mg/kg	0.80	0.055	1	04/21/09 06:20	04/22/09 00:59	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**1.0J**	ug/kg	18.1	1.0	1	04/21/09 11:08	04/21/09 18:43	83-32-9	
Acenaphthylene	**4.4J**	ug/kg	18.1	1.9	1	04/21/09 11:08	04/21/09 18:43	208-96-8	
Anthracene	**7.3J**	ug/kg	18.1	5.0	1	04/21/09 11:08	04/21/09 18:43	120-12-7	
Benzo(a)anthracene	**25.1**	ug/kg	18.1	9.1	1	04/21/09 11:08	04/21/09 18:43	56-55-3	
Benzo(a)pyrene	**27.5**	ug/kg	18.1	3.9	1	04/21/09 11:08	04/21/09 18:43	50-32-8	
Benzo(b)fluoranthene	**29.8**	ug/kg	18.1	6.2	1	04/21/09 11:08	04/21/09 18:43	205-99-2	
Benzo(g,h,i)perylene	**17.7J**	ug/kg	18.1	4.6	1	04/21/09 11:08	04/21/09 18:43	191-24-2	
Benzo(k)fluoranthene	**28.9**	ug/kg	18.1	6.7	1	04/21/09 11:08	04/21/09 18:43	207-08-9	
Chrysene	**33.8**	ug/kg	18.1	3.7	1	04/21/09 11:08	04/21/09 18:43	218-01-9	
Dibenz(a,h)anthracene	**7.8J**	ug/kg	18.1	5.1	1	04/21/09 11:08	04/21/09 18:43	53-70-3	
Fluoranthene	**57.8**	ug/kg	18.1	1.2	1	04/21/09 11:08	04/21/09 18:43	206-44-0	
Fluorene	**1.4J**	ug/kg	18.1	0.99	1	04/21/09 11:08	04/21/09 18:43	86-73-7	
Indeno(1,2,3-cd)pyrene	**18.6**	ug/kg	18.1	4.6	1	04/21/09 11:08	04/21/09 18:43	193-39-5	
1-Methylnaphthalene	**<2.0**	ug/kg	18.1	2.0	1	04/21/09 11:08	04/21/09 18:43	90-12-0	
2-Methylnaphthalene	**<2.0**	ug/kg	18.1	2.0	1	04/21/09 11:08	04/21/09 18:43	91-57-6	
Naphthalene	**1.6J**	ug/kg	18.1	1.3	1	04/21/09 11:08	04/21/09 18:43	91-20-3	
Phenanthrene	**22.7**	ug/kg	18.1	2.2	1	04/21/09 11:08	04/21/09 18:43	85-01-8	
Pyrene	**43.8**	ug/kg	18.1	1.1	1	04/21/09 11:08	04/21/09 18:43	129-00-0	
2-Fluorobiphenyl (S)	62	%	38-130		1	04/21/09 11:08	04/21/09 18:43	321-60-8	
Terphenyl-d14 (S)	70	%	41-130		1	04/21/09 11:08	04/21/09 18:43	1718-51-0	
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	04/17/09 10:58	04/17/09 13:21	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:58	04/17/09 13:21	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:58	04/17/09 13:21	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	75-00-3	CC,L1, W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:58	04/17/09 13:21	106-43-4	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP13 **Lab ID: 4016100020** Collected: 04/14/09 12:05 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	129	%	70-155		1	04/17/09 10:52	04/17/09 19:03	2037-26-5	
4-Bromofluorobenzene (S)	125	%	70-147		1	04/17/09 10:52	04/17/09 19:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.7**	%	0.10	0.10	1		04/17/09 08:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP13 **Lab ID: 4016100020** Collected: 04/14/09 12:05 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 19:03	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 19:03	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 19:03	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	95-47-6	W
Dibromofluoromethane (S)	156	%	70-150		1	04/17/09 10:52	04/17/09 19:03	1868-53-7	3j

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP13 **Lab ID: 4016100020** Collected: 04/14/09 12:05 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.8**	mg/kg	1.6	0.090	1	04/21/09 06:20	04/22/09 00:54	7440-38-2	
Cadmium	**0.18J**	mg/kg	0.39	0.012	1	04/21/09 06:20	04/22/09 00:54	7440-43-9	
Chromium	**13.3**	mg/kg	0.39	0.037	1	04/21/09 06:20	04/22/09 00:54	7440-47-3	
Lead	**14.3**	mg/kg	0.78	0.054	1	04/21/09 06:20	04/22/09 00:54	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**1.7J**	ug/kg	19.8	1.1	1	04/21/09 11:08	04/21/09 18:26	83-32-9	
Acenaphthylene	**16.7J**	ug/kg	19.8	2.0	1	04/21/09 11:08	04/21/09 18:26	208-96-8	
Anthracene	**25.0**	ug/kg	19.8	5.4	1	04/21/09 11:08	04/21/09 18:26	120-12-7	
Benzo(a)anthracene	**45.4**	ug/kg	19.8	9.9	1	04/21/09 11:08	04/21/09 18:26	56-55-3	
Benzo(a)pyrene	**53.2**	ug/kg	19.8	4.3	1	04/21/09 11:08	04/21/09 18:26	50-32-8	
Benzo(b)fluoranthene	**51.0**	ug/kg	19.8	6.7	1	04/21/09 11:08	04/21/09 18:26	205-99-2	
Benzo(g,h,i)perylene	**40.5**	ug/kg	19.8	5.0	1	04/21/09 11:08	04/21/09 18:26	191-24-2	
Benzo(k)fluoranthene	**55.4**	ug/kg	19.8	7.4	1	04/21/09 11:08	04/21/09 18:26	207-08-9	
Chrysene	**59.7**	ug/kg	19.8	4.1	1	04/21/09 11:08	04/21/09 18:26	218-01-9	
Dibenz(a,h)anthracene	**19.2J**	ug/kg	19.8	5.5	1	04/21/09 11:08	04/21/09 18:26	53-70-3	
Fluoranthene	**109**	ug/kg	19.8	1.3	1	04/21/09 11:08	04/21/09 18:26	206-44-0	
Fluorene	**2.6J**	ug/kg	19.8	1.1	1	04/21/09 11:08	04/21/09 18:26	86-73-7	
Indeno(1,2,3-cd)pyrene	**41.1**	ug/kg	19.8	5.0	1	04/21/09 11:08	04/21/09 18:26	193-39-5	
1-Methylnaphthalene	**13.5J**	ug/kg	19.8	2.2	1	04/21/09 11:08	04/21/09 18:26	90-12-0	
2-Methylnaphthalene	**15.5J**	ug/kg	19.8	2.2	1	04/21/09 11:08	04/21/09 18:26	91-57-6	
Naphthalene	**12.3J**	ug/kg	19.8	1.5	1	04/21/09 11:08	04/21/09 18:26	91-20-3	
Phenanthrene	**68.5**	ug/kg	19.8	2.4	1	04/21/09 11:08	04/21/09 18:26	85-01-8	
Pyrene	**88.2**	ug/kg	19.8	1.2	1	04/21/09 11:08	04/21/09 18:26	129-00-0	
2-Fluorobiphenyl (S)	58	%	38-130		1	04/21/09 11:08	04/21/09 18:26	321-60-8	
Terphenyl-d14 (S)	63	%	41-130		1	04/21/09 11:08	04/21/09 18:26	1718-51-0	
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	04/17/09 10:52	04/17/09 19:03	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 19:03	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 19:03	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:03	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 19:03	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP18 **Lab ID: 4016100019** Collected: 04/14/09 12:45 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	309	%	70-155		2	04/17/09 10:52	04/17/09 19:49	2037-26-5	S0
4-Bromofluorobenzene (S)	335	%	70-147		2	04/17/09 10:52	04/17/09 19:49	460-00-4	S0
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.8**	%	0.10	0.10	1		04/17/09 08:30		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP18 **Lab ID: 4016100019** Collected: 04/14/09 12:45 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	124-48-1	W
1,2-Dibromoethane (EDB)	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	106-93-4	W
Dibromomethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	74-95-3	W
1,2-Dichlorobenzene	**<88.8**	ug/kg	120	88.8	2	04/17/09 10:52	04/17/09 19:49	95-50-1	W
1,3-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	541-73-1	W
1,4-Dichlorobenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	106-46-7	W
Dichlorodifluoromethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	75-71-8	W
1,1-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	75-34-3	W
1,2-Dichloroethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	107-06-2	W
1,1-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	75-35-4	W
cis-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	156-59-2	W
trans-1,2-Dichloroethene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	156-60-5	W
1,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	78-87-5	W
1,3-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	142-28-9	W
2,2-Dichloropropane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	594-20-7	W
1,1-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	563-58-6	W
cis-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	10061-01-5	W
trans-1,3-Dichloropropene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	10061-02-6	W
Diisopropyl ether	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	108-20-3	W
Ethylbenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	100-41-4	W
Hexachloro-1,3-butadiene	**<52.8**	ug/kg	120	52.8	2	04/17/09 10:52	04/17/09 19:49	87-68-3	W
Isopropylbenzene (Cumene)	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	98-82-8	W
p-Isopropyltoluene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	99-87-6	W
Methylene Chloride	**67.3J**	ug/kg	150	62.3	2	04/17/09 10:52	04/17/09 19:49	75-09-2	Z3
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	1634-04-4	W
Naphthalene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	91-20-3	W
n-Propylbenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	103-65-1	W
Styrene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	100-42-5	W
1,1,1,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	630-20-6	W
1,1,2,2-Tetrachloroethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	79-34-5	W
Tetrachloroethene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	127-18-4	W
Toluene	**1090**	ug/kg	150	62.3	2	04/17/09 10:52	04/17/09 19:49	108-88-3	
1,2,3-Trichlorobenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	87-61-6	W
1,2,4-Trichlorobenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	120-82-1	W
1,1,1-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	71-55-6	W
1,1,2-Trichloroethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	79-00-5	W
Trichloroethene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	79-01-6	W
Trichlorofluoromethane	**153**	ug/kg	150	62.3	2	04/17/09 10:52	04/17/09 19:49	75-69-4	
1,2,3-Trichloropropane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	96-18-4	W
1,2,4-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	95-63-6	W
1,3,5-Trimethylbenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	108-67-8	W
Vinyl chloride	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	75-01-4	W
m&p-Xylene	**<100**	ug/kg	240	100	2	04/17/09 10:52	04/17/09 19:49	1330-20-7	W
o-Xylene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	95-47-6	W
Dibromofluoromethane (S)	378	%	70-150		2	04/17/09 10:52	04/17/09 19:49	1868-53-7	1j,2j,S0

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP18 **Lab ID: 4016100019** Collected: 04/14/09 12:45 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.4**	mg/kg	2.0	0.12	1	04/21/09 06:20	04/22/09 00:50	7440-38-2	
Cadmium	**0.17J**	mg/kg	0.50	0.016	1	04/21/09 06:20	04/22/09 00:50	7440-43-9	
Chromium	**15.7**	mg/kg	0.50	0.047	1	04/21/09 06:20	04/22/09 00:50	7440-47-3	
Lead	**14.0**	mg/kg	1.0	0.069	1	04/21/09 06:20	04/22/09 00:50	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**2.1J**	ug/kg	20.8	1.2	1	04/21/09 11:08	04/21/09 18:09	83-32-9	
Acenaphthylene	**8.8J**	ug/kg	20.8	2.1	1	04/21/09 11:08	04/21/09 18:09	208-96-8	
Anthracene	**16.4J**	ug/kg	20.8	5.7	1	04/21/09 11:08	04/21/09 18:09	120-12-7	
Benzo(a)anthracene	**46.2**	ug/kg	20.8	10.4	1	04/21/09 11:08	04/21/09 18:09	56-55-3	
Benzo(a)pyrene	**52.1**	ug/kg	20.8	4.5	1	04/21/09 11:08	04/21/09 18:09	50-32-8	
Benzo(b)fluoranthene	**55.6**	ug/kg	20.8	7.1	1	04/21/09 11:08	04/21/09 18:09	205-99-2	
Benzo(g,h,i)perylene	**33.7**	ug/kg	20.8	5.2	1	04/21/09 11:08	04/21/09 18:09	191-24-2	
Benzo(k)fluoranthene	**56.4**	ug/kg	20.8	7.7	1	04/21/09 11:08	04/21/09 18:09	207-08-9	
Chrysene	**61.5**	ug/kg	20.8	4.3	1	04/21/09 11:08	04/21/09 18:09	218-01-9	
Dibenz(a,h)anthracene	**13.0J**	ug/kg	20.8	5.8	1	04/21/09 11:08	04/21/09 18:09	53-70-3	
Fluoranthene	**123**	ug/kg	20.8	1.4	1	04/21/09 11:08	04/21/09 18:09	206-44-0	
Fluorene	**3.2J**	ug/kg	20.8	1.1	1	04/21/09 11:08	04/21/09 18:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**35.9**	ug/kg	20.8	5.2	1	04/21/09 11:08	04/21/09 18:09	193-39-5	
1-Methylnaphthalene	**<2.3**	ug/kg	20.8	2.3	1	04/21/09 11:08	04/21/09 18:09	90-12-0	
2-Methylnaphthalene	**3.3J**	ug/kg	20.8	2.3	1	04/21/09 11:08	04/21/09 18:09	91-57-6	
Naphthalene	**3.8J**	ug/kg	20.8	1.5	1	04/21/09 11:08	04/21/09 18:09	91-20-3	
Phenanthrene	**48.5**	ug/kg	20.8	2.5	1	04/21/09 11:08	04/21/09 18:09	85-01-8	
Pyrene	**91.3**	ug/kg	20.8	1.3	1	04/21/09 11:08	04/21/09 18:09	129-00-0	
2-Fluorobiphenyl (S)	58	%	38-130		1	04/21/09 11:08	04/21/09 18:09	321-60-8	
Terphenyl-d14 (S)	63	%	41-130		1	04/21/09 11:08	04/21/09 18:09	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	71-43-2	W
Bromobenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	108-86-1	W
Bromochloromethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	74-97-5	W
Bromodichloromethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	75-27-4	W
Bromoform	**<51.8**	ug/kg	120	51.8	2	04/17/09 10:52	04/17/09 19:49	75-25-2	W
Bromomethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	74-83-9	W
n-Butylbenzene	**<80.8**	ug/kg	120	80.8	2	04/17/09 10:52	04/17/09 19:49	104-51-8	W
sec-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	135-98-8	W
tert-Butylbenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	98-06-6	W
Carbon tetrachloride	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	56-23-5	W
Chlorobenzene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	108-90-7	W
Chloroethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	75-00-3	W
Chloroform	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	67-66-3	W
Chloromethane	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	74-87-3	W
2-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	95-49-8	W
4-Chlorotoluene	**<50.0**	ug/kg	120	50.0	2	04/17/09 10:52	04/17/09 19:49	106-43-4	W
1,2-Dibromo-3-chloropropane	**<165**	ug/kg	500	165	2	04/17/09 10:52	04/17/09 19:49	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP17 **Lab ID: 4016100018** Collected: 04/14/09 12:35 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	125	%	70-155		1	04/17/09 10:52	04/17/09 18:40	2037-26-5	
4-Bromofluorobenzene (S)	119	%	70-147		1	04/17/09 10:52	04/17/09 18:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.7**	%	0.10	0.10	1		04/17/09 08:30		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP17 **Lab ID: 4016100018** Collected: 04/14/09 12:35 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 18:40	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 18:40	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	127-18-4	W
Toluene	**124**	ug/kg	77.7	32.4	1	04/17/09 10:52	04/17/09 18:40	108-88-3	
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	79-01-6	W
Trichlorofluoromethane	**42.2J**	ug/kg	77.7	32.4	1	04/17/09 10:52	04/17/09 18:40	75-69-4	
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 18:40	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	95-47-6	W
Dibromofluoromethane (S)	146	%	70-150		1	04/17/09 10:52	04/17/09 18:40	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP17 **Lab ID: 4016100018** Collected: 04/14/09 12:35 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.5**	mg/kg	2.3	0.13	1	04/21/09 06:20	04/22/09 00:46	7440-38-2	
Cadmium	**0.21J**	mg/kg	0.58	0.018	1	04/21/09 06:20	04/22/09 00:46	7440-43-9	
Chromium	**18.1**	mg/kg	0.58	0.055	1	04/21/09 06:20	04/22/09 00:46	7440-47-3	
Lead	**17.0**	mg/kg	1.2	0.081	1	04/21/09 06:20	04/22/09 00:46	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**8.7J**	ug/kg	21.6	1.2	1	04/21/09 11:08	04/21/09 17:52	83-32-9	
Acenaphthylene	**6.7J**	ug/kg	21.6	2.2	1	04/21/09 11:08	04/21/09 17:52	208-96-8	
Anthracene	**17.3J**	ug/kg	21.6	5.9	1	04/21/09 11:08	04/21/09 17:52	120-12-7	
Benzo(a)anthracene	**38.6**	ug/kg	21.6	10.8	1	04/21/09 11:08	04/21/09 17:52	56-55-3	
Benzo(a)pyrene	**43.0**	ug/kg	21.6	4.7	1	04/21/09 11:08	04/21/09 17:52	50-32-8	
Benzo(b)fluoranthene	**45.6**	ug/kg	21.6	7.3	1	04/21/09 11:08	04/21/09 17:52	205-99-2	
Benzo(g,h,i)perylene	**28.2**	ug/kg	21.6	5.4	1	04/21/09 11:08	04/21/09 17:52	191-24-2	
Benzo(k)fluoranthene	**48.3**	ug/kg	21.6	8.0	1	04/21/09 11:08	04/21/09 17:52	207-08-9	
Chrysene	**50.6**	ug/kg	21.6	4.4	1	04/21/09 11:08	04/21/09 17:52	218-01-9	
Dibenz(a,h)anthracene	**10.8J**	ug/kg	21.6	6.0	1	04/21/09 11:08	04/21/09 17:52	53-70-3	
Fluoranthene	**106**	ug/kg	21.6	1.4	1	04/21/09 11:08	04/21/09 17:52	206-44-0	
Fluorene	**7.0J**	ug/kg	21.6	1.2	1	04/21/09 11:08	04/21/09 17:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**27.8**	ug/kg	21.6	5.4	1	04/21/09 11:08	04/21/09 17:52	193-39-5	
1-Methylnaphthalene	**6.1J**	ug/kg	21.6	2.4	1	04/21/09 11:08	04/21/09 17:52	90-12-0	
2-Methylnaphthalene	**10.5J**	ug/kg	21.6	2.4	1	04/21/09 11:08	04/21/09 17:52	91-57-6	
Naphthalene	**33.8**	ug/kg	21.6	1.6	1	04/21/09 11:08	04/21/09 17:52	91-20-3	
Phenanthrene	**51.9**	ug/kg	21.6	2.6	1	04/21/09 11:08	04/21/09 17:52	85-01-8	
Pyrene	**78.5**	ug/kg	21.6	1.3	1	04/21/09 11:08	04/21/09 17:52	129-00-0	
2-Fluorobiphenyl (S)	58	%	38-130		1	04/21/09 11:08	04/21/09 17:52	321-60-8	
Terphenyl-d14 (S)	61	%	41-130		1	04/21/09 11:08	04/21/09 17:52	1718-51-0	
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	04/17/09 10:52	04/17/09 18:40	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 18:40	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 18:40	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:40	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 18:40	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP22 **Lab ID: 4016100017** Collected: 04/14/09 13:20 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	131	%	70-155		1	04/17/09 10:52	04/17/09 18:17	2037-26-5	
4-Bromofluorobenzene (S)	127	%	70-147		1	04/17/09 10:52	04/17/09 18:17	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.7**	%	0.10	0.10	1		04/17/09 08:30		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP22 **Lab ID: 4016100017** Collected: 04/14/09 13:20 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 18:17	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 18:17	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 18:17	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	95-47-6	W
Dibromofluoromethane (S)	160	%	70-150		1	04/17/09 10:52	04/17/09 18:17	1868-53-7	S3

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP22 **Lab ID: 4016100017** Collected: 04/14/09 13:20 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.2**	mg/kg	1.6	0.092	1	04/21/09 06:20	04/22/09 00:42	7440-38-2	
Cadmium	**0.31J**	mg/kg	0.40	0.013	1	04/21/09 06:20	04/22/09 00:42	7440-43-9	
Chromium	**16.3**	mg/kg	0.40	0.038	1	04/21/09 06:20	04/22/09 00:42	7440-47-3	
Lead	**16.4**	mg/kg	0.80	0.055	1	04/21/09 06:20	04/22/09 00:42	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**5.5J**	ug/kg	20.8	1.2	1	04/21/09 11:08	04/21/09 17:35	83-32-9	
Acenaphthylene	**12.2J**	ug/kg	20.8	2.1	1	04/21/09 11:08	04/21/09 17:35	208-96-8	
Anthracene	**34.2**	ug/kg	20.8	5.7	1	04/21/09 11:08	04/21/09 17:35	120-12-7	
Benzo(a)anthracene	**80.7**	ug/kg	20.8	10.4	1	04/21/09 11:08	04/21/09 17:35	56-55-3	
Benzo(a)pyrene	**83.5**	ug/kg	20.8	4.5	1	04/21/09 11:08	04/21/09 17:35	50-32-8	
Benzo(b)fluoranthene	**91.7**	ug/kg	20.8	7.0	1	04/21/09 11:08	04/21/09 17:35	205-99-2	
Benzo(g,h,i)perylene	**55.5**	ug/kg	20.8	5.2	1	04/21/09 11:08	04/21/09 17:35	191-24-2	
Benzo(k)fluoranthene	**88.5**	ug/kg	20.8	7.7	1	04/21/09 11:08	04/21/09 17:35	207-08-9	
Chrysene	**102**	ug/kg	20.8	4.3	1	04/21/09 11:08	04/21/09 17:35	218-01-9	
Dibenz(a,h)anthracene	**25.7**	ug/kg	20.8	5.8	1	04/21/09 11:08	04/21/09 17:35	53-70-3	
Fluoranthene	**206**	ug/kg	20.8	1.4	1	04/21/09 11:08	04/21/09 17:35	206-44-0	
Fluorene	**6.4J**	ug/kg	20.8	1.1	1	04/21/09 11:08	04/21/09 17:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**57.3**	ug/kg	20.8	5.2	1	04/21/09 11:08	04/21/09 17:35	193-39-5	
1-Methylnaphthalene	**4.0J**	ug/kg	20.8	2.3	1	04/21/09 11:08	04/21/09 17:35	90-12-0	
2-Methylnaphthalene	**6.6J**	ug/kg	20.8	2.3	1	04/21/09 11:08	04/21/09 17:35	91-57-6	
Naphthalene	**7.8J**	ug/kg	20.8	1.5	1	04/21/09 11:08	04/21/09 17:35	91-20-3	
Phenanthrene	**101**	ug/kg	20.8	2.5	1	04/21/09 11:08	04/21/09 17:35	85-01-8	
Pyrene	**150**	ug/kg	20.8	1.3	1	04/21/09 11:08	04/21/09 17:35	129-00-0	
2-Fluorobiphenyl (S)	61	%	38-130		1	04/21/09 11:08	04/21/09 17:35	321-60-8	
Terphenyl-d14 (S)	68	%	41-130		1	04/21/09 11:08	04/21/09 17:35	1718-51-0	
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	04/17/09 10:52	04/17/09 18:17	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 18:17	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 18:17	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 18:17	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 18:17	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP23 **Lab ID: 4016100016** Collected: 04/14/09 13:30 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	126	%	70-155		1	04/17/09 10:52	04/17/09 19:26	2037-26-5	
4-Bromofluorobenzene (S)	118	%	70-147		1	04/17/09 10:52	04/17/09 19:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.1**	%	0.10	0.10	1		04/17/09 08:30		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP23 **Lab ID: 4016100016** Collected: 04/14/09 13:30 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 19:26	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 19:26	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 19:26	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	95-47-6	W
Dibromofluoromethane (S)	144	%	70-150		1	04/17/09 10:52	04/17/09 19:26	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP23 **Lab ID: 4016100016** Collected: 04/14/09 13:30 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.2**	mg/kg	1.5	0.087	1	04/21/09 06:20	04/22/09 00:37	7440-38-2	
Cadmium	**0.18J**	mg/kg	0.38	0.012	1	04/21/09 06:20	04/22/09 00:37	7440-43-9	
Chromium	**13.6**	mg/kg	0.38	0.036	1	04/21/09 06:20	04/22/09 00:37	7440-47-3	
Lead	**16.2**	mg/kg	0.75	0.052	1	04/21/09 06:20	04/22/09 00:37	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**7.5J**	ug/kg	20.1	1.1	1	04/21/09 11:08	04/21/09 17:18	83-32-9	
Acenaphthylene	**24.5**	ug/kg	20.1	2.1	1	04/21/09 11:08	04/21/09 17:18	208-96-8	
Anthracene	**47.2**	ug/kg	20.1	5.5	1	04/21/09 11:08	04/21/09 17:18	120-12-7	
Benzo(a)anthracene	**142**	ug/kg	20.1	10.1	1	04/21/09 11:08	04/21/09 17:18	56-55-3	
Benzo(a)pyrene	**182**	ug/kg	20.1	4.4	1	04/21/09 11:08	04/21/09 17:18	50-32-8	
Benzo(b)fluoranthene	**214**	ug/kg	20.1	6.8	1	04/21/09 11:08	04/21/09 17:18	205-99-2	
Benzo(g,h,i)perylene	**146**	ug/kg	20.1	5.1	1	04/21/09 11:08	04/21/09 17:18	191-24-2	
Benzo(k)fluoranthene	**232**	ug/kg	20.1	7.5	1	04/21/09 11:08	04/21/09 17:18	207-08-9	
Chrysene	**206**	ug/kg	20.1	4.1	1	04/21/09 11:08	04/21/09 17:18	218-01-9	
Dibenz(a,h)anthracene	**63.1**	ug/kg	20.1	5.6	1	04/21/09 11:08	04/21/09 17:18	53-70-3	
Fluoranthene	**357**	ug/kg	20.1	1.3	1	04/21/09 11:08	04/21/09 17:18	206-44-0	
Fluorene	**7.6J**	ug/kg	20.1	1.1	1	04/21/09 11:08	04/21/09 17:18	86-73-7	
Indeno(1,2,3-cd)pyrene	**144**	ug/kg	20.1	5.1	1	04/21/09 11:08	04/21/09 17:18	193-39-5	
1-Methylnaphthalene	**13.5J**	ug/kg	20.1	2.2	1	04/21/09 11:08	04/21/09 17:18	90-12-0	
2-Methylnaphthalene	**17.9J**	ug/kg	20.1	2.2	1	04/21/09 11:08	04/21/09 17:18	91-57-6	
Naphthalene	**17.1J**	ug/kg	20.1	1.5	1	04/21/09 11:08	04/21/09 17:18	91-20-3	
Phenanthrene	**137**	ug/kg	20.1	2.4	1	04/21/09 11:08	04/21/09 17:18	85-01-8	
Pyrene	**275**	ug/kg	20.1	1.2	1	04/21/09 11:08	04/21/09 17:18	129-00-0	
2-Fluorobiphenyl (S)	60	%	38-130		1	04/21/09 11:08	04/21/09 17:18	321-60-8	
Terphenyl-d14 (S)	65	%	41-130		1	04/21/09 11:08	04/21/09 17:18	1718-51-0	
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	04/17/09 10:52	04/17/09 19:26	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 19:26	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 19:26	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 19:26	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 19:26	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP20 **Lab ID: 4016100015** Collected: 04/14/09 13:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	109	%	70-155		1	04/17/09 10:52	04/17/09 17:55	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-147		1	04/17/09 10:52	04/17/09 17:55	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.9**	%	0.10	0.10	1		04/17/09 08:30		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP20 **Lab ID: 4016100015** Collected: 04/14/09 13:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 17:55	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 17:55	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 17:55	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	95-47-6	W
Dibromofluoromethane (S)	132	%	70-150		1	04/17/09 10:52	04/17/09 17:55	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP20 **Lab ID: 4016100015** Collected: 04/14/09 13:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.5**	mg/kg	2.0	0.12	1	04/21/09 06:20	04/22/09 00:33	7440-38-2	
Cadmium	**0.21J**	mg/kg	0.51	0.016	1	04/21/09 06:20	04/22/09 00:33	7440-43-9	
Chromium	**14.3**	mg/kg	0.51	0.048	1	04/21/09 06:20	04/22/09 00:33	7440-47-3	
Lead	**15.6**	mg/kg	1.0	0.070	1	04/21/09 06:20	04/22/09 00:33	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**3.1J**	ug/kg	20.1	1.1	1	04/21/09 11:08	04/21/09 17:01	83-32-9	
Acenaphthylene	**13.8J**	ug/kg	20.1	2.0	1	04/21/09 11:08	04/21/09 17:01	208-96-8	
Anthracene	**23.0**	ug/kg	20.1	5.5	1	04/21/09 11:08	04/21/09 17:01	120-12-7	
Benzo(a)anthracene	**57.2**	ug/kg	20.1	10.1	1	04/21/09 11:08	04/21/09 17:01	56-55-3	
Benzo(a)pyrene	**58.7**	ug/kg	20.1	4.4	1	04/21/09 11:08	04/21/09 17:01	50-32-8	
Benzo(b)fluoranthene	**58.3**	ug/kg	20.1	6.8	1	04/21/09 11:08	04/21/09 17:01	205-99-2	
Benzo(g,h,i)perylene	**38.7**	ug/kg	20.1	5.1	1	04/21/09 11:08	04/21/09 17:01	191-24-2	
Benzo(k)fluoranthene	**64.1**	ug/kg	20.1	7.5	1	04/21/09 11:08	04/21/09 17:01	207-08-9	
Chrysene	**67.3**	ug/kg	20.1	4.1	1	04/21/09 11:08	04/21/09 17:01	218-01-9	
Dibenz(a,h)anthracene	**17.2J**	ug/kg	20.1	5.6	1	04/21/09 11:08	04/21/09 17:01	53-70-3	
Fluoranthene	**133**	ug/kg	20.1	1.3	1	04/21/09 11:08	04/21/09 17:01	206-44-0	
Fluorene	**4.2J**	ug/kg	20.1	1.1	1	04/21/09 11:08	04/21/09 17:01	86-73-7	
Indeno(1,2,3-cd)pyrene	**40.1**	ug/kg	20.1	5.1	1	04/21/09 11:08	04/21/09 17:01	193-39-5	
1-Methylnaphthalene	**3.8J**	ug/kg	20.1	2.2	1	04/21/09 11:08	04/21/09 17:01	90-12-0	
2-Methylnaphthalene	**4.7J**	ug/kg	20.1	2.2	1	04/21/09 11:08	04/21/09 17:01	91-57-6	
Naphthalene	**5.5J**	ug/kg	20.1	1.5	1	04/21/09 11:08	04/21/09 17:01	91-20-3	
Phenanthrene	**73.0**	ug/kg	20.1	2.4	1	04/21/09 11:08	04/21/09 17:01	85-01-8	
Pyrene	**101**	ug/kg	20.1	1.2	1	04/21/09 11:08	04/21/09 17:01	129-00-0	
2-Fluorobiphenyl (S)	59	%	38-130		1	04/21/09 11:08	04/21/09 17:01	321-60-8	
Terphenyl-d14 (S)	68	%	41-130		1	04/21/09 11:08	04/21/09 17:01	1718-51-0	
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	04/17/09 10:52	04/17/09 17:55	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 17:55	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 17:55	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:55	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 17:55	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP21 **Lab ID: 4016100014** Collected: 04/14/09 13:10 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	119	%	70-155		1	04/17/09 10:52	04/17/09 17:31	2037-26-5	
4-Bromofluorobenzene (S)	115	%	70-147		1	04/17/09 10:52	04/17/09 17:31	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**34.1**	%	0.10	0.10	1		04/17/09 08:30		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP21 **Lab ID: 4016100014** Collected: 04/14/09 13:10 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 17:31	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 17:31	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 17:31	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	95-47-6	W
Dibromofluoromethane (S)	148	%	70-150		1	04/17/09 10:52	04/17/09 17:31	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP21 **Lab ID: 4016100014** Collected: 04/14/09 13:10 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.9J**	mg/kg	3.0	0.18	1	04/21/09 06:20	04/22/09 00:20	7440-38-2	
Cadmium	**0.20J**	mg/kg	0.76	0.024	1	04/21/09 06:20	04/22/09 00:20	7440-43-9	
Chromium	**16.7**	mg/kg	0.76	0.071	1	04/21/09 06:20	04/22/09 00:20	7440-47-3	
Lead	**13.8**	mg/kg	1.5	0.10	1	04/21/09 06:20	04/22/09 00:20	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**8.6J**	ug/kg	25.3	1.4	1	04/21/09 11:08	04/21/09 16:44	83-32-9	
Acenaphthylene	**14.6J**	ug/kg	25.3	2.6	1	04/21/09 11:08	04/21/09 16:44	208-96-8	
Anthracene	**63.1**	ug/kg	25.3	6.9	1	04/21/09 11:08	04/21/09 16:44	120-12-7	
Benzo(a)anthracene	**108**	ug/kg	25.3	12.7	1	04/21/09 11:08	04/21/09 16:44	56-55-3	
Benzo(a)pyrene	**105**	ug/kg	25.3	5.5	1	04/21/09 11:08	04/21/09 16:44	50-32-8	
Benzo(b)fluoranthene	**110**	ug/kg	25.3	8.6	1	04/21/09 11:08	04/21/09 16:44	205-99-2	
Benzo(g,h,i)perylene	**57.4**	ug/kg	25.3	6.4	1	04/21/09 11:08	04/21/09 16:44	191-24-2	
Benzo(k)fluoranthene	**107**	ug/kg	25.3	9.4	1	04/21/09 11:08	04/21/09 16:44	207-08-9	
Chrysene	**128**	ug/kg	25.3	5.2	1	04/21/09 11:08	04/21/09 16:44	218-01-9	
Dibenz(a,h)anthracene	**24.8J**	ug/kg	25.3	7.1	1	04/21/09 11:08	04/21/09 16:44	53-70-3	
Fluoranthene	**284**	ug/kg	25.3	1.7	1	04/21/09 11:08	04/21/09 16:44	206-44-0	
Fluorene	**18.3J**	ug/kg	25.3	1.4	1	04/21/09 11:08	04/21/09 16:44	86-73-7	
Indeno(1,2,3-cd)pyrene	**60.4**	ug/kg	25.3	6.4	1	04/21/09 11:08	04/21/09 16:44	193-39-5	
1-Methylnaphthalene	**6.6J**	ug/kg	25.3	2.8	1	04/21/09 11:08	04/21/09 16:44	90-12-0	
2-Methylnaphthalene	**8.6J**	ug/kg	25.3	2.8	1	04/21/09 11:08	04/21/09 16:44	91-57-6	
Naphthalene	**9.8J**	ug/kg	25.3	1.9	1	04/21/09 11:08	04/21/09 16:44	91-20-3	
Phenanthrene	**170**	ug/kg	25.3	3.0	1	04/21/09 11:08	04/21/09 16:44	85-01-8	
Pyrene	**197**	ug/kg	25.3	1.5	1	04/21/09 11:08	04/21/09 16:44	129-00-0	
2-Fluorobiphenyl (S)	62	%	38-130		1	04/21/09 11:08	04/21/09 16:44	321-60-8	
Terphenyl-d14 (S)	67	%	41-130		1	04/21/09 11:08	04/21/09 16:44	1718-51-0	
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	04/17/09 10:52	04/17/09 17:31	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 17:31	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 17:31	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:31	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 17:31	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP4 SS4 **Lab ID: 4016100013** Collected: 04/14/09 09:47 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	117	%	70-155		1	04/17/09 10:52	04/17/09 17:09	2037-26-5	
4-Bromofluorobenzene (S)	112	%	70-147		1	04/17/09 10:52	04/17/09 17:09	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.5**	%	0.10	0.10	1		04/17/09 08:30		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP4 SS4 **Lab ID: 4016100013** Collected: 04/14/09 09:47 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 17:09	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 17:09	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 17:09	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	95-47-6	W
Dibromofluoromethane (S)	139	%	70-150		1	04/17/09 10:52	04/17/09 17:09	1868-53-7	

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP4 SS4 **Lab ID: 4016100013** Collected: 04/14/09 09:47 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.0**	mg/kg	1.6	0.093	1	04/21/09 06:20	04/21/09 23:55	7440-38-2	
Cadmium	**0.087J**	mg/kg	0.40	0.013	1	04/21/09 06:20	04/21/09 23:55	7440-43-9	
Chromium	**7.5**	mg/kg	0.40	0.038	1	04/21/09 06:20	04/21/09 23:55	7440-47-3	
Lead	**2.4**	mg/kg	0.80	0.055	1	04/21/09 06:20	04/21/09 23:55	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<1.0**	ug/kg	18.6	1.0	1	04/21/09 11:08	04/21/09 16:27	83-32-9	
Acenaphthylene	**<1.9**	ug/kg	18.6	1.9	1	04/21/09 11:08	04/21/09 16:27	208-96-8	
Anthracene	**<5.1**	ug/kg	18.6	5.1	1	04/21/09 11:08	04/21/09 16:27	120-12-7	
Benzo(a)anthracene	**<9.3**	ug/kg	18.6	9.3	1	04/21/09 11:08	04/21/09 16:27	56-55-3	
Benzo(a)pyrene	**<4.0**	ug/kg	18.6	4.0	1	04/21/09 11:08	04/21/09 16:27	50-32-8	
Benzo(b)fluoranthene	**<6.3**	ug/kg	18.6	6.3	1	04/21/09 11:08	04/21/09 16:27	205-99-2	
Benzo(g,h,i)perylene	**<4.7**	ug/kg	18.6	4.7	1	04/21/09 11:08	04/21/09 16:27	191-24-2	
Benzo(k)fluoranthene	**<6.9**	ug/kg	18.6	6.9	1	04/21/09 11:08	04/21/09 16:27	207-08-9	
Chrysene	**<3.8**	ug/kg	18.6	3.8	1	04/21/09 11:08	04/21/09 16:27	218-01-9	
Dibenz(a,h)anthracene	**<5.2**	ug/kg	18.6	5.2	1	04/21/09 11:08	04/21/09 16:27	53-70-3	
Fluoranthene	**<1.2**	ug/kg	18.6	1.2	1	04/21/09 11:08	04/21/09 16:27	206-44-0	
Fluorene	**<1.0**	ug/kg	18.6	1.0	1	04/21/09 11:08	04/21/09 16:27	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.7**	ug/kg	18.6	4.7	1	04/21/09 11:08	04/21/09 16:27	193-39-5	
1-Methylnaphthalene	**<2.1**	ug/kg	18.6	2.1	1	04/21/09 11:08	04/21/09 16:27	90-12-0	
2-Methylnaphthalene	**<2.1**	ug/kg	18.6	2.1	1	04/21/09 11:08	04/21/09 16:27	91-57-6	
Naphthalene	**<1.4**	ug/kg	18.6	1.4	1	04/21/09 11:08	04/21/09 16:27	91-20-3	
Phenanthrene	**<2.2**	ug/kg	18.6	2.2	1	04/21/09 11:08	04/21/09 16:27	85-01-8	
Pyrene	**<1.1**	ug/kg	18.6	1.1	1	04/21/09 11:08	04/21/09 16:27	129-00-0	
2-Fluorobiphenyl (S)	63	%	38-130		1	04/21/09 11:08	04/21/09 16:27	321-60-8	
Terphenyl-d14 (S)	73	%	41-130		1	04/21/09 11:08	04/21/09 16:27	1718-51-0	
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	04/17/09 10:52	04/17/09 17:09	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 17:09	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 17:09	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 17:09	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 17:09	96-12-8	W

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1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP4 SS2 **Lab ID: 4016100012** Collected: 04/14/09 09:40 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	116	%	70-155		1	04/17/09 10:52	04/17/09 16:46	2037-26-5	
4-Bromofluorobenzene (S)	112	%	70-147		1	04/17/09 10:52	04/17/09 16:46	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.1**	%	0.10	0.10	1		04/17/09 08:30		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP4 SS2 **Lab ID: 4016100012** Collected: 04/14/09 09:40 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 16:46	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 16:46	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 16:46	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	95-47-6	W
Dibromofluoromethane (S)	140	%	70-150		1	04/17/09 10:52	04/17/09 16:46	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP4 SS2 **Lab ID: 4016100012** Collected: 04/14/09 09:40 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**5.6**	mg/kg	1.8	0.11	1	04/21/09 06:20	04/21/09 23:51	7440-38-2	
Cadmium	**0.044J**	mg/kg	0.46	0.014	1	04/21/09 06:20	04/21/09 23:51	7440-43-9	
Chromium	**23.6**	mg/kg	0.46	0.043	1	04/21/09 06:20	04/21/09 23:51	7440-47-3	
Lead	**7.2**	mg/kg	0.91	0.063	1	04/21/09 06:20	04/21/09 23:51	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<1.2**	ug/kg	20.9	1.2	1	04/21/09 11:08	04/21/09 16:10	83-32-9	
Acenaphthylene	**<2.1**	ug/kg	20.9	2.1	1	04/21/09 11:08	04/21/09 16:10	208-96-8	
Anthracene	**<5.7**	ug/kg	20.9	5.7	1	04/21/09 11:08	04/21/09 16:10	120-12-7	
Benzo(a)anthracene	**<10.4**	ug/kg	20.9	10.4	1	04/21/09 11:08	04/21/09 16:10	56-55-3	
Benzo(a)pyrene	**<4.5**	ug/kg	20.9	4.5	1	04/21/09 11:08	04/21/09 16:10	50-32-8	
Benzo(b)fluoranthene	**<7.1**	ug/kg	20.9	7.1	1	04/21/09 11:08	04/21/09 16:10	205-99-2	
Benzo(g,h,i)perylene	**<5.3**	ug/kg	20.9	5.3	1	04/21/09 11:08	04/21/09 16:10	191-24-2	
Benzo(k)fluoranthene	**<7.8**	ug/kg	20.9	7.8	1	04/21/09 11:08	04/21/09 16:10	207-08-9	
Chrysene	**<4.3**	ug/kg	20.9	4.3	1	04/21/09 11:08	04/21/09 16:10	218-01-9	
Dibenz(a,h)anthracene	**<5.8**	ug/kg	20.9	5.8	1	04/21/09 11:08	04/21/09 16:10	53-70-3	
Fluoranthene	**<1.4**	ug/kg	20.9	1.4	1	04/21/09 11:08	04/21/09 16:10	206-44-0	
Fluorene	**<1.1**	ug/kg	20.9	1.1	1	04/21/09 11:08	04/21/09 16:10	86-73-7	
Indeno(1,2,3-cd)pyrene	**<5.3**	ug/kg	20.9	5.3	1	04/21/09 11:08	04/21/09 16:10	193-39-5	
1-Methylnaphthalene	**<2.3**	ug/kg	20.9	2.3	1	04/21/09 11:08	04/21/09 16:10	90-12-0	
2-Methylnaphthalene	**<2.3**	ug/kg	20.9	2.3	1	04/21/09 11:08	04/21/09 16:10	91-57-6	
Naphthalene	**<1.5**	ug/kg	20.9	1.5	1	04/21/09 11:08	04/21/09 16:10	91-20-3	
Phenanthrene	**<2.5**	ug/kg	20.9	2.5	1	04/21/09 11:08	04/21/09 16:10	85-01-8	
Pyrene	**<1.3**	ug/kg	20.9	1.3	1	04/21/09 11:08	04/21/09 16:10	129-00-0	
2-Fluorobiphenyl (S)	59	%	38-130		1	04/21/09 11:08	04/21/09 16:10	321-60-8	
Terphenyl-d14 (S)	62	%	41-130		1	04/21/09 11:08	04/21/09 16:10	1718-51-0	
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	04/17/09 10:52	04/17/09 16:46	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 16:46	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 16:46	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:46	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 16:46	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP3 SS3 **Lab ID: 4016100011** Collected: 04/14/09 10:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	107	%	70-155		1	04/17/09 10:52	04/17/09 16:23	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-147		1	04/17/09 10:52	04/17/09 16:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.7**	%	0.10	0.10	1		04/17/09 08:29		

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP3 SS3 **Lab ID: 4016100011** Collected: 04/14/09 10:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 16:23	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 16:23	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 16:23	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	95-47-6	W
Dibromofluoromethane (S)	130	%	70-150		1	04/17/09 10:52	04/17/09 16:23	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP3 SS3 **Lab ID: 4016100011** Collected: 04/14/09 10:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.7**	mg/kg	1.7	0.097	1	04/21/09 06:20	04/21/09 23:47	7440-38-2	
Cadmium	**0.088J**	mg/kg	0.42	0.013	1	04/21/09 06:20	04/21/09 23:47	7440-43-9	
Chromium	**9.4**	mg/kg	0.42	0.040	1	04/21/09 06:20	04/21/09 23:47	7440-47-3	
Lead	**3.0**	mg/kg	0.84	0.058	1	04/21/09 06:20	04/21/09 23:47	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<1.0**	ug/kg	18.9	1.0	1	04/21/09 11:08	04/21/09 15:53	83-32-9	
Acenaphthylene	**<1.9**	ug/kg	18.9	1.9	1	04/21/09 11:08	04/21/09 15:53	208-96-8	
Anthracene	**<5.2**	ug/kg	18.9	5.2	1	04/21/09 11:08	04/21/09 15:53	120-12-7	
Benzo(a)anthracene	**<9.5**	ug/kg	18.9	9.5	1	04/21/09 11:08	04/21/09 15:53	56-55-3	
Benzo(a)pyrene	**<4.1**	ug/kg	18.9	4.1	1	04/21/09 11:08	04/21/09 15:53	50-32-8	
Benzo(b)fluoranthene	**<6.4**	ug/kg	18.9	6.4	1	04/21/09 11:08	04/21/09 15:53	205-99-2	
Benzo(g,h,i)perylene	**<4.8**	ug/kg	18.9	4.8	1	04/21/09 11:08	04/21/09 15:53	191-24-2	
Benzo(k)fluoranthene	**<7.0**	ug/kg	18.9	7.0	1	04/21/09 11:08	04/21/09 15:53	207-08-9	
Chrysene	**<3.9**	ug/kg	18.9	3.9	1	04/21/09 11:08	04/21/09 15:53	218-01-9	
Dibenz(a,h)anthracene	**<5.3**	ug/kg	18.9	5.3	1	04/21/09 11:08	04/21/09 15:53	53-70-3	
Fluoranthene	**<1.2**	ug/kg	18.9	1.2	1	04/21/09 11:08	04/21/09 15:53	206-44-0	
Fluorene	**<1.0**	ug/kg	18.9	1.0	1	04/21/09 11:08	04/21/09 15:53	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.8**	ug/kg	18.9	4.8	1	04/21/09 11:08	04/21/09 15:53	193-39-5	
1-Methylnaphthalene	**<2.1**	ug/kg	18.9	2.1	1	04/21/09 11:08	04/21/09 15:53	90-12-0	
2-Methylnaphthalene	**<2.1**	ug/kg	18.9	2.1	1	04/21/09 11:08	04/21/09 15:53	91-57-6	
Naphthalene	**<1.4**	ug/kg	18.9	1.4	1	04/21/09 11:08	04/21/09 15:53	91-20-3	
Phenanthrene	**<2.2**	ug/kg	18.9	2.2	1	04/21/09 11:08	04/21/09 15:53	85-01-8	
Pyrene	**<1.1**	ug/kg	18.9	1.1	1	04/21/09 11:08	04/21/09 15:53	129-00-0	
2-Fluorobiphenyl (S)	65	%	38-130		1	04/21/09 11:08	04/21/09 15:53	321-60-8	
Terphenyl-d14 (S)	75	%	41-130		1	04/21/09 11:08	04/21/09 15:53	1718-51-0	
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	04/17/09 10:52	04/17/09 16:23	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 16:23	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 16:23	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:23	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 16:23	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP3 SS1 **Lab ID: 4016100010** Collected: 04/14/09 09:50 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	112	%	70-155		1	04/17/09 10:52	04/17/09 16:00	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-147		1	04/17/09 10:52	04/17/09 16:00	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.1**	%	0.10	0.10	1		04/17/09 08:29		

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Pace Project No.: 4016100

Sample: GP3 SS1 **Lab ID: 4016100010** Collected: 04/14/09 09:50 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 16:00	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 16:00	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 16:00	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	95-47-6	W
Dibromofluoromethane (S)	137	%	70-150		1	04/17/09 10:52	04/17/09 16:00	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP3 SS1 **Lab ID: 4016100010** Collected: 04/14/09 09:50 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.6**	mg/kg	1.6	0.092	1	04/21/09 06:20	04/21/09 23:43	7440-38-2	
Cadmium	**0.26J**	mg/kg	0.40	0.012	1	04/21/09 06:20	04/21/09 23:43	7440-43-9	
Chromium	**14.5**	mg/kg	0.40	0.037	1	04/21/09 06:20	04/21/09 23:43	7440-47-3	
Lead	**13.2**	mg/kg	0.79	0.055	1	04/21/09 06:20	04/21/09 23:43	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<1.0**	ug/kg	18.5	1.0	1	04/21/09 11:08	04/21/09 15:36	83-32-9	
Acenaphthylene	**5.3J**	ug/kg	18.5	1.9	1	04/21/09 11:08	04/21/09 15:36	208-96-8	
Anthracene	**6.5J**	ug/kg	18.5	5.1	1	04/21/09 11:08	04/21/09 15:36	120-12-7	
Benzo(a)anthracene	**26.8**	ug/kg	18.5	9.3	1	04/21/09 11:08	04/21/09 15:36	56-55-3	
Benzo(a)pyrene	**20.3**	ug/kg	18.5	4.0	1	04/21/09 11:08	04/21/09 15:36	50-32-8	
Benzo(b)fluoranthene	**16.7J**	ug/kg	18.5	6.3	1	04/21/09 11:08	04/21/09 15:36	205-99-2	
Benzo(g,h,i)perylene	**8.2J**	ug/kg	18.5	4.7	1	04/21/09 11:08	04/21/09 15:36	191-24-2	
Benzo(k)fluoranthene	**21.5**	ug/kg	18.5	6.9	1	04/21/09 11:08	04/21/09 15:36	207-08-9	
Chrysene	**25.6**	ug/kg	18.5	3.8	1	04/21/09 11:08	04/21/09 15:36	218-01-9	
Dibenz(a,h)anthracene	**<5.2**	ug/kg	18.5	5.2	1	04/21/09 11:08	04/21/09 15:36	53-70-3	
Fluoranthene	**45.2**	ug/kg	18.5	1.2	1	04/21/09 11:08	04/21/09 15:36	206-44-0	
Fluorene	**<1.0**	ug/kg	18.5	1.0	1	04/21/09 11:08	04/21/09 15:36	86-73-7	
Indeno(1,2,3-cd)pyrene	**8.8J**	ug/kg	18.5	4.7	1	04/21/09 11:08	04/21/09 15:36	193-39-5	
1-Methylnaphthalene	**<2.1**	ug/kg	18.5	2.1	1	04/21/09 11:08	04/21/09 15:36	90-12-0	
2-Methylnaphthalene	**<2.1**	ug/kg	18.5	2.1	1	04/21/09 11:08	04/21/09 15:36	91-57-6	
Naphthalene	**1.8J**	ug/kg	18.5	1.4	1	04/21/09 11:08	04/21/09 15:36	91-20-3	
Phenanthrene	**5.9J**	ug/kg	18.5	2.2	1	04/21/09 11:08	04/21/09 15:36	85-01-8	
Pyrene	**34.3**	ug/kg	18.5	1.1	1	04/21/09 11:08	04/21/09 15:36	129-00-0	
2-Fluorobiphenyl (S)	59	%	38-130		1	04/21/09 11:08	04/21/09 15:36	321-60-8	
Terphenyl-d14 (S)	68	%	41-130		1	04/21/09 11:08	04/21/09 15:36	1718-51-0	
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	04/17/09 10:52	04/17/09 16:00	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 16:00	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 16:00	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 16:00	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 16:00	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP2 SS4 **Lab ID: 4016100009** Collected: 04/14/09 10:15 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	111	%	70-155		1	04/17/09 10:52	04/17/09 15:37	2037-26-5	
4-Bromofluorobenzene (S)	105	%	70-147		1	04/17/09 10:52	04/17/09 15:37	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.1**	%	0.10	0.10	1		04/17/09 08:29		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP2 SS4 **Lab ID: 4016100009** Collected: 04/14/09 10:15 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 15:37	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 15:37	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 15:37	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	95-47-6	W
Dibromofluoromethane (S)	132	%	70-150		1	04/17/09 10:52	04/17/09 15:37	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP2 SS4 **Lab ID: 4016100009** Collected: 04/14/09 10:15 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.1**	mg/kg	2.1	0.12	1	04/21/09 06:20	04/21/09 23:38	7440-38-2	
Cadmium	**0.095J**	mg/kg	0.53	0.017	1	04/21/09 06:20	04/21/09 23:38	7440-43-9	
Chromium	**8.9**	mg/kg	0.53	0.050	1	04/21/09 06:20	04/21/09 23:38	7440-47-3	
Lead	**3.5**	mg/kg	1.1	0.073	1	04/21/09 06:20	04/21/09 23:38	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<1.0**	ug/kg	18.7	1.0	1	04/21/09 11:08	04/21/09 15:19	83-32-9	
Acenaphthylene	**<1.9**	ug/kg	18.7	1.9	1	04/21/09 11:08	04/21/09 15:19	208-96-8	
Anthracene	**<5.1**	ug/kg	18.7	5.1	1	04/21/09 11:08	04/21/09 15:19	120-12-7	
Benzo(a)anthracene	**<9.4**	ug/kg	18.7	9.4	1	04/21/09 11:08	04/21/09 15:19	56-55-3	
Benzo(a)pyrene	**<4.1**	ug/kg	18.7	4.1	1	04/21/09 11:08	04/21/09 15:19	50-32-8	
Benzo(b)fluoranthene	**<6.4**	ug/kg	18.7	6.4	1	04/21/09 11:08	04/21/09 15:19	205-99-2	
Benzo(g,h,i)perylene	**<4.7**	ug/kg	18.7	4.7	1	04/21/09 11:08	04/21/09 15:19	191-24-2	
Benzo(k)fluoranthene	**<7.0**	ug/kg	18.7	7.0	1	04/21/09 11:08	04/21/09 15:19	207-08-9	
Chrysene	**<3.9**	ug/kg	18.7	3.9	1	04/21/09 11:08	04/21/09 15:19	218-01-9	
Dibenz(a,h)anthracene	**<5.2**	ug/kg	18.7	5.2	1	04/21/09 11:08	04/21/09 15:19	53-70-3	
Fluoranthene	**5.6J**	ug/kg	18.7	1.2	1	04/21/09 11:08	04/21/09 15:19	206-44-0	
Fluorene	**<1.0**	ug/kg	18.7	1.0	1	04/21/09 11:08	04/21/09 15:19	86-73-7	
Indeno(1,2,3-cd)pyrene	**<4.7**	ug/kg	18.7	4.7	1	04/21/09 11:08	04/21/09 15:19	193-39-5	
1-Methylnaphthalene	**<2.1**	ug/kg	18.7	2.1	1	04/21/09 11:08	04/21/09 15:19	90-12-0	
2-Methylnaphthalene	**<2.1**	ug/kg	18.7	2.1	1	04/21/09 11:08	04/21/09 15:19	91-57-6	
Naphthalene	**<1.4**	ug/kg	18.7	1.4	1	04/21/09 11:08	04/21/09 15:19	91-20-3	
Phenanthrene	**2.6J**	ug/kg	18.7	2.2	1	04/21/09 11:08	04/21/09 15:19	85-01-8	
Pyrene	**4.3J**	ug/kg	18.7	1.1	1	04/21/09 11:08	04/21/09 15:19	129-00-0	
2-Fluorobiphenyl (S)	65	%	38-130		1	04/21/09 11:08	04/21/09 15:19	321-60-8	
Terphenyl-d14 (S)	71	%	41-130		1	04/21/09 11:08	04/21/09 15:19	1718-51-0	
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	04/17/09 10:52	04/17/09 15:37	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 15:37	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 15:37	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:37	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 15:37	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP2 SS2 **Lab ID: 4016100008** Collected: 04/14/09 10:10 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	110	%	70-155		1	04/17/09 10:52	04/17/09 15:14	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-147		1	04/17/09 10:52	04/17/09 15:14	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		04/17/09 08:29		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP2 SS2 **Lab ID: 4016100008** Collected: 04/14/09 10:10 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 15:14	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 15:14	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 15:14	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	95-47-6	W
Dibromofluoromethane (S)	134	%	70-150		1	04/17/09 10:52	04/17/09 15:14	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP2 SS2 **Lab ID: 4016100008** Collected: 04/14/09 10:10 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.8**	mg/kg	1.6	0.093	1	04/21/09 06:20	04/21/09 23:34	7440-38-2	
Cadmium	**0.093J**	mg/kg	0.40	0.013	1	04/21/09 06:20	04/21/09 23:34	7440-43-9	
Chromium	**15.2**	mg/kg	0.40	0.038	1	04/21/09 06:20	04/21/09 23:34	7440-47-3	
Lead	**5.5**	mg/kg	0.80	0.055	1	04/21/09 06:20	04/21/09 23:34	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<1.1**	ug/kg	19.1	1.1	1	04/20/09 11:15	04/21/09 03:09	83-32-9	
Acenaphthylene	**3.7J**	ug/kg	19.1	1.9	1	04/20/09 11:15	04/21/09 03:09	208-96-8	
Anthracene	**10J**	ug/kg	19.1	5.2	1	04/20/09 11:15	04/21/09 03:09	120-12-7	
Benzo(a)anthracene	**20.4**	ug/kg	19.1	9.6	1	04/20/09 11:15	04/21/09 03:09	56-55-3	
Benzo(a)pyrene	**19.2**	ug/kg	19.1	4.1	1	04/20/09 11:15	04/21/09 03:09	50-32-8	
Benzo(b)fluoranthene	**17.7J**	ug/kg	19.1	6.5	1	04/20/09 11:15	04/21/09 03:09	205-99-2	
Benzo(g,h,i)perylene	**14.4J**	ug/kg	19.1	4.8	1	04/20/09 11:15	04/21/09 03:09	191-24-2	
Benzo(k)fluoranthene	**19.5**	ug/kg	19.1	7.1	1	04/20/09 11:15	04/21/09 03:09	207-08-9	
Chrysene	**21.6**	ug/kg	19.1	3.9	1	04/20/09 11:15	04/21/09 03:09	218-01-9	
Dibenz(a,h)anthracene	**<5.3**	ug/kg	19.1	5.3	1	04/20/09 11:15	04/21/09 03:09	53-70-3	
Fluoranthene	**36.8**	ug/kg	19.1	1.3	1	04/20/09 11:15	04/21/09 03:09	206-44-0	
Fluorene	**1.7J**	ug/kg	19.1	1.0	1	04/20/09 11:15	04/21/09 03:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**12.2J**	ug/kg	19.1	4.8	1	04/20/09 11:15	04/21/09 03:09	193-39-5	
1-Methylnaphthalene	**5.8J**	ug/kg	19.1	2.1	1	04/20/09 11:15	04/21/09 03:09	90-12-0	
2-Methylnaphthalene	**8.3J**	ug/kg	19.1	2.1	1	04/20/09 11:15	04/21/09 03:09	91-57-6	
Naphthalene	**8.8J**	ug/kg	19.1	1.4	1	04/20/09 11:15	04/21/09 03:09	91-20-3	
Phenanthrene	**22.1**	ug/kg	19.1	2.3	1	04/20/09 11:15	04/21/09 03:09	85-01-8	
Pyrene	**28.6**	ug/kg	19.1	1.2	1	04/20/09 11:15	04/21/09 03:09	129-00-0	
2-Fluorobiphenyl (S)	57	%	38-130		1	04/20/09 11:15	04/21/09 03:09	321-60-8	
Terphenyl-d14 (S)	61	%	41-130		1	04/20/09 11:15	04/21/09 03:09	1718-51-0	
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	04/17/09 10:52	04/17/09 15:14	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 15:14	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 15:14	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 15:14	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 15:14	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP1 SS3 **Lab ID: 4016100007** Collected: 04/14/09 10:35 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	122	%	70-155		1	04/17/09 10:52	04/17/09 14:52	2037-26-5	
4-Bromofluorobenzene (S)	117	%	70-147		1	04/17/09 10:52	04/17/09 14:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.4**	%	0.10	0.10	1		04/17/09 08:28		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP1 SS3 **Lab ID: 4016100007** Collected: 04/14/09 10:35 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 14:52	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 14:52	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 14:52	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	95-47-6	W
Dibromofluoromethane (S)	145	%	70-150		1	04/17/09 10:52	04/17/09 14:52	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP1 SS3 **Lab ID: 4016100007** Collected: 04/14/09 10:35 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**3.1**	mg/kg	1.5	0.085	1	04/21/09 06:20	04/21/09 23:29	7440-38-2	
Cadmium	**0.32J**	mg/kg	0.37	0.012	1	04/21/09 06:20	04/21/09 23:29	7440-43-9	
Chromium	**17.9**	mg/kg	0.37	0.035	1	04/21/09 06:20	04/21/09 23:29	7440-47-3	
Lead	**7.7**	mg/kg	0.74	0.051	1	04/21/09 06:20	04/21/09 23:29	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**10.5J**	ug/kg	20.7	1.1	1	04/20/09 11:15	04/21/09 02:52	83-32-9	
Acenaphthylene	**5.8J**	ug/kg	20.7	2.1	1	04/20/09 11:15	04/21/09 02:52	208-96-8	
Anthracene	**22.0**	ug/kg	20.7	5.7	1	04/20/09 11:15	04/21/09 02:52	120-12-7	
Benzo(a)anthracene	**17.7J**	ug/kg	20.7	10.4	1	04/20/09 11:15	04/21/09 02:52	56-55-3	
Benzo(a)pyrene	**18.3J**	ug/kg	20.7	4.5	1	04/20/09 11:15	04/21/09 02:52	50-32-8	
Benzo(b)fluoranthene	**17.2J**	ug/kg	20.7	7.0	1	04/20/09 11:15	04/21/09 02:52	205-99-2	
Benzo(g,h,i)perylene	**14.0J**	ug/kg	20.7	5.2	1	04/20/09 11:15	04/21/09 02:52	191-24-2	
Benzo(k)fluoranthene	**19.0J**	ug/kg	20.7	7.7	1	04/20/09 11:15	04/21/09 02:52	207-08-9	
Chrysene	**20.4J**	ug/kg	20.7	4.3	1	04/20/09 11:15	04/21/09 02:52	218-01-9	
Dibenz(a,h)anthracene	**<5.8**	ug/kg	20.7	5.8	1	04/20/09 11:15	04/21/09 02:52	53-70-3	
Fluoranthene	**35.2**	ug/kg	20.7	1.4	1	04/20/09 11:15	04/21/09 02:52	206-44-0	
Fluorene	**8.2J**	ug/kg	20.7	1.1	1	04/20/09 11:15	04/21/09 02:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**12.5J**	ug/kg	20.7	5.2	1	04/20/09 11:15	04/21/09 02:52	193-39-5	
1-Methylnaphthalene	**20.0J**	ug/kg	20.7	2.3	1	04/20/09 11:15	04/21/09 02:52	90-12-0	
2-Methylnaphthalene	**31.5**	ug/kg	20.7	2.3	1	04/20/09 11:15	04/21/09 02:52	91-57-6	
Naphthalene	**8.9J**	ug/kg	20.7	1.5	1	04/20/09 11:15	04/21/09 02:52	91-20-3	
Phenanthrene	**73.9**	ug/kg	20.7	2.5	1	04/20/09 11:15	04/21/09 02:52	85-01-8	
Pyrene	**28.7**	ug/kg	20.7	1.3	1	04/20/09 11:15	04/21/09 02:52	129-00-0	
2-Fluorobiphenyl (S)	70	%	38-130		1	04/20/09 11:15	04/21/09 02:52	321-60-8	
Terphenyl-d14 (S)	76	%	41-130		1	04/20/09 11:15	04/21/09 02:52	1718-51-0	
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	04/17/09 10:52	04/17/09 14:52	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 14:52	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 14:52	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:52	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 14:52	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP1 SS1 **Lab ID: 4016100006** Collected: 04/14/09 10:25 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	111	%	70-155		1	04/17/09 10:52	04/17/09 14:29	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-147		1	04/17/09 10:52	04/17/09 14:29	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.3**	%	0.10	0.10	1		04/17/09 08:28		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP1 SS1 **Lab ID: 4016100006** Collected: 04/14/09 10:25 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 14:29	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 14:29	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 14:29	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	95-47-6	W
Dibromofluoromethane (S)	135	%	70-150		1	04/17/09 10:52	04/17/09 14:29	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP1 SS1 **Lab ID: 4016100006** Collected: 04/14/09 10:25 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**4.4**	mg/kg	2.0	0.11	1	04/21/09 06:20	04/21/09 23:17	7440-38-2	
Cadmium	**0.19J**	mg/kg	0.49	0.015	1	04/21/09 06:20	04/21/09 23:17	7440-43-9	
Chromium	**16.4**	mg/kg	0.49	0.046	1	04/21/09 06:20	04/21/09 23:17	7440-47-3	
Lead	**13.9**	mg/kg	0.99	0.068	1	04/21/09 06:20	04/21/09 23:17	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**11.6J**	ug/kg	18.4	1.0	1	04/20/09 11:15	04/21/09 02:35	83-32-9	
Acenaphthylene	**61.7**	ug/kg	18.4	1.9	1	04/20/09 11:15	04/21/09 02:35	208-96-8	
Anthracene	**109**	ug/kg	18.4	5.0	1	04/20/09 11:15	04/21/09 02:35	120-12-7	
Benzo(a)anthracene	**236**	ug/kg	18.4	9.2	1	04/20/09 11:15	04/21/09 02:35	56-55-3	
Benzo(a)pyrene	**248**	ug/kg	18.4	4.0	1	04/20/09 11:15	04/21/09 02:35	50-32-8	
Benzo(b)fluoranthene	**250**	ug/kg	18.4	6.2	1	04/20/09 11:15	04/21/09 02:35	205-99-2	
Benzo(g,h,i)perylene	**167**	ug/kg	18.4	4.6	1	04/20/09 11:15	04/21/09 02:35	191-24-2	
Benzo(k)fluoranthene	**183**	ug/kg	18.4	6.8	1	04/20/09 11:15	04/21/09 02:35	207-08-9	
Chrysene	**254**	ug/kg	18.4	3.8	1	04/20/09 11:15	04/21/09 02:35	218-01-9	
Dibenz(a,h)anthracene	**58.3**	ug/kg	18.4	5.1	1	04/20/09 11:15	04/21/09 02:35	53-70-3	
Fluoranthene	**559**	ug/kg	18.4	1.2	1	04/20/09 11:15	04/21/09 02:35	206-44-0	
Fluorene	**17.5J**	ug/kg	18.4	1.0	1	04/20/09 11:15	04/21/09 02:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**151**	ug/kg	18.4	4.6	1	04/20/09 11:15	04/21/09 02:35	193-39-5	
1-Methylnaphthalene	**18.0J**	ug/kg	18.4	2.0	1	04/20/09 11:15	04/21/09 02:35	90-12-0	
2-Methylnaphthalene	**23.8**	ug/kg	18.4	2.0	1	04/20/09 11:15	04/21/09 02:35	91-57-6	
Naphthalene	**30.3**	ug/kg	18.4	1.4	1	04/20/09 11:15	04/21/09 02:35	91-20-3	
Phenanthrene	**373**	ug/kg	18.4	2.2	1	04/20/09 11:15	04/21/09 02:35	85-01-8	
Pyrene	**432**	ug/kg	18.4	1.1	1	04/20/09 11:15	04/21/09 02:35	129-00-0	
2-Fluorobiphenyl (S)	70	%	38-130		1	04/20/09 11:15	04/21/09 02:35	321-60-8	
Terphenyl-d14 (S)	76	%	41-130		1	04/20/09 11:15	04/21/09 02:35	1718-51-0	
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	04/17/09 10:52	04/17/09 14:29	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 14:29	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 14:29	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:29	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 14:29	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP8 **Lab ID: 4016100005** Collected: 04/14/09 11:15 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	94	%	70-155		1	04/17/09 10:52	04/17/09 14:06	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-147		1	04/17/09 10:52	04/17/09 14:06	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.1**	%	0.10	0.10	1		04/17/09 08:28		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP8 **Lab ID: 4016100005** Collected: 04/14/09 11:15 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 14:06	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 14:06	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 14:06	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	95-47-6	W
Dibromofluoromethane (S)	114	%	70-150		1	04/17/09 10:52	04/17/09 14:06	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP8 **Lab ID: 4016100005** Collected: 04/14/09 11:15 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.0**	mg/kg	1.7	0.096	1	04/21/09 06:20	04/21/09 23:13	7440-38-2	
Cadmium	**0.15J**	mg/kg	0.42	0.013	1	04/21/09 06:20	04/21/09 23:13	7440-43-9	
Chromium	**14.0**	mg/kg	0.42	0.039	1	04/21/09 06:20	04/21/09 23:13	7440-47-3	
Lead	**15.4**	mg/kg	0.83	0.058	1	04/21/09 06:20	04/21/09 23:13	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**2.5J**	ug/kg	19.0	1.1	1	04/20/09 11:15	04/21/09 02:18	83-32-9	
Acenaphthylene	**14.2J**	ug/kg	19.0	1.9	1	04/20/09 11:15	04/21/09 02:18	208-96-8	
Anthracene	**25.8**	ug/kg	19.0	5.2	1	04/20/09 11:15	04/21/09 02:18	120-12-7	
Benzo(a)anthracene	**80.0**	ug/kg	19.0	9.5	1	04/20/09 11:15	04/21/09 02:18	56-55-3	
Benzo(a)pyrene	**109**	ug/kg	19.0	4.1	1	04/20/09 11:15	04/21/09 02:18	50-32-8	
Benzo(b)fluoranthene	**131**	ug/kg	19.0	6.4	1	04/20/09 11:15	04/21/09 02:18	205-99-2	
Benzo(g,h,i)perylene	**97.1**	ug/kg	19.0	4.8	1	04/20/09 11:15	04/21/09 02:18	191-24-2	
Benzo(k)fluoranthene	**124**	ug/kg	19.0	7.0	1	04/20/09 11:15	04/21/09 02:18	207-08-9	
Chrysene	**128**	ug/kg	19.0	3.9	1	04/20/09 11:15	04/21/09 02:18	218-01-9	
Dibenz(a,h)anthracene	**40.6**	ug/kg	19.0	5.3	1	04/20/09 11:15	04/21/09 02:18	53-70-3	
Fluoranthene	**213**	ug/kg	19.0	1.3	1	04/20/09 11:15	04/21/09 02:18	206-44-0	
Fluorene	**4.4J**	ug/kg	19.0	1.0	1	04/20/09 11:15	04/21/09 02:18	86-73-7	
Indeno(1,2,3-cd)pyrene	**93.8**	ug/kg	19.0	4.8	1	04/20/09 11:15	04/21/09 02:18	193-39-5	
1-Methylnaphthalene	**<2.1**	ug/kg	19.0	2.1	1	04/20/09 11:15	04/21/09 02:18	90-12-0	
2-Methylnaphthalene	**3.3J**	ug/kg	19.0	2.1	1	04/20/09 11:15	04/21/09 02:18	91-57-6	
Naphthalene	**5.0J**	ug/kg	19.0	1.4	1	04/20/09 11:15	04/21/09 02:18	91-20-3	
Phenanthrene	**71.1**	ug/kg	19.0	2.3	1	04/20/09 11:15	04/21/09 02:18	85-01-8	
Pyrene	**163**	ug/kg	19.0	1.2	1	04/20/09 11:15	04/21/09 02:18	129-00-0	
2-Fluorobiphenyl (S)	65	%	38-130		1	04/20/09 11:15	04/21/09 02:18	321-60-8	
Terphenyl-d14 (S)	67	%	41-130		1	04/20/09 11:15	04/21/09 02:18	1718-51-0	
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	04/17/09 10:52	04/17/09 14:06	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 14:06	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 14:06	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 14:06	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 14:06	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP7 **Lab ID: 4016100004** Collected: 04/14/09 11:05 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	139	%	70-155		1	04/17/09 10:52	04/17/09 13:43	2037-26-5	
4-Bromofluorobenzene (S)	140	%	70-147		1	04/17/09 10:52	04/17/09 13:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.8**	%	0.10	0.10	1		04/17/09 08:28		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP7 **Lab ID: 4016100004** Collected: 04/14/09 11:05 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 13:43	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 13:43	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 13:43	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	95-47-6	W
Dibromofluoromethane (S)	169	%	70-150		1	04/17/09 10:52	04/17/09 13:43	1868-53-7	S3

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP7 **Lab ID: 4016100004** Collected: 04/14/09 11:05 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.3**	mg/kg	2.0	0.12	1	04/21/09 06:20	04/21/09 23:08	7440-38-2	
Cadmium	**0.22J**	mg/kg	0.50	0.016	1	04/21/09 06:20	04/21/09 23:08	7440-43-9	
Chromium	**17.6**	mg/kg	0.50	0.047	1	04/21/09 06:20	04/21/09 23:08	7440-47-3	
Lead	**16.6**	mg/kg	1.0	0.069	1	04/21/09 06:20	04/21/09 23:08	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**9.9J**	ug/kg	21.6	1.2	1	04/20/09 11:15	04/21/09 02:01	83-32-9	
Acenaphthylene	**78.0**	ug/kg	21.6	2.2	1	04/20/09 11:15	04/21/09 02:01	208-96-8	
Anthracene	**85.1**	ug/kg	21.6	5.9	1	04/20/09 11:15	04/21/09 02:01	120-12-7	
Benzo(a)anthracene	**145**	ug/kg	21.6	10.8	1	04/20/09 11:15	04/21/09 02:01	56-55-3	
Benzo(a)pyrene	**212**	ug/kg	21.6	4.7	1	04/20/09 11:15	04/21/09 02:01	50-32-8	
Benzo(b)fluoranthene	**202**	ug/kg	21.6	7.3	1	04/20/09 11:15	04/21/09 02:01	205-99-2	
Benzo(g,h,i)perylene	**181**	ug/kg	21.6	5.5	1	04/20/09 11:15	04/21/09 02:01	191-24-2	
Benzo(k)fluoranthene	**164**	ug/kg	21.6	8.0	1	04/20/09 11:15	04/21/09 02:01	207-08-9	
Chrysene	**193**	ug/kg	21.6	4.5	1	04/20/09 11:15	04/21/09 02:01	218-01-9	
Dibenz(a,h)anthracene	**73.4**	ug/kg	21.6	6.0	1	04/20/09 11:15	04/21/09 02:01	53-70-3	
Fluoranthene	**265**	ug/kg	21.6	1.4	1	04/20/09 11:15	04/21/09 02:01	206-44-0	
Fluorene	**10.9J**	ug/kg	21.6	1.2	1	04/20/09 11:15	04/21/09 02:01	86-73-7	
Indeno(1,2,3-cd)pyrene	**155**	ug/kg	21.6	5.4	1	04/20/09 11:15	04/21/09 02:01	193-39-5	
1-Methylnaphthalene	**7.3J**	ug/kg	21.6	2.4	1	04/20/09 11:15	04/21/09 02:01	90-12-0	
2-Methylnaphthalene	**15.9J**	ug/kg	21.6	2.4	1	04/20/09 11:15	04/21/09 02:01	91-57-6	
Naphthalene	**36.5**	ug/kg	21.6	1.6	1	04/20/09 11:15	04/21/09 02:01	91-20-3	
Phenanthrene	**101**	ug/kg	21.6	2.6	1	04/20/09 11:15	04/21/09 02:01	85-01-8	
Pyrene	**206**	ug/kg	21.6	1.3	1	04/20/09 11:15	04/21/09 02:01	129-00-0	
2-Fluorobiphenyl (S)	49	%	38-130		1	04/20/09 11:15	04/21/09 02:01	321-60-8	
Terphenyl-d14 (S)	52	%	41-130		1	04/20/09 11:15	04/21/09 02:01	1718-51-0	
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	04/17/09 10:52	04/17/09 13:43	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 13:43	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 13:43	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:43	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 13:43	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP6 **Lab ID: 4016100003** Collected: 04/14/09 11:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	137	%	70-155		1	04/17/09 10:52	04/17/09 13:20	2037-26-5	
4-Bromofluorobenzene (S)	136	%	70-147		1	04/17/09 10:52	04/17/09 13:20	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.3**	%	0.10	0.10	1		04/17/09 08:28		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP6 **Lab ID: 4016100003** Collected: 04/14/09 11:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 13:20	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 13:20	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 13:20	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	95-47-6	W
Dibromofluoromethane (S)	160	%	70-150		1	04/17/09 10:52	04/17/09 13:20	1868-53-7	S3

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP6 **Lab ID: 4016100003** Collected: 04/14/09 11:00 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.3**	mg/kg	2.0	0.11	1	04/21/09 06:20	04/21/09 23:04	7440-38-2	
Cadmium	**0.16J**	mg/kg	0.49	0.015	1	04/21/09 06:20	04/21/09 23:04	7440-43-9	
Chromium	**16.0**	mg/kg	0.49	0.046	1	04/21/09 06:20	04/21/09 23:04	7440-47-3	
Lead	**14.4**	mg/kg	0.98	0.067	1	04/21/09 06:20	04/21/09 23:04	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**2.6J**	ug/kg	20.4	1.1	1	04/20/09 11:15	04/21/09 01:44	83-32-9	
Acenaphthylene	**34.4**	ug/kg	20.4	2.1	1	04/20/09 11:15	04/21/09 01:44	208-96-8	
Anthracene	**39.8**	ug/kg	20.4	5.6	1	04/20/09 11:15	04/21/09 01:44	120-12-7	
Benzo(a)anthracene	**91.0**	ug/kg	20.4	10.2	1	04/20/09 11:15	04/21/09 01:44	56-55-3	
Benzo(a)pyrene	**122**	ug/kg	20.4	4.4	1	04/20/09 11:15	04/21/09 01:44	50-32-8	
Benzo(b)fluoranthene	**129**	ug/kg	20.4	6.9	1	04/20/09 11:15	04/21/09 01:44	205-99-2	
Benzo(g,h,i)perylene	**101**	ug/kg	20.4	5.2	1	04/20/09 11:15	04/21/09 01:44	191-24-2	
Benzo(k)fluoranthene	**98.1**	ug/kg	20.4	7.6	1	04/20/09 11:15	04/21/09 01:44	207-08-9	
Chrysene	**131**	ug/kg	20.4	4.2	1	04/20/09 11:15	04/21/09 01:44	218-01-9	
Dibenz(a,h)anthracene	**41.7**	ug/kg	20.4	5.7	1	04/20/09 11:15	04/21/09 01:44	53-70-3	
Fluoranthene	**228**	ug/kg	20.4	1.3	1	04/20/09 11:15	04/21/09 01:44	206-44-0	
Fluorene	**4.9J**	ug/kg	20.4	1.1	1	04/20/09 11:15	04/21/09 01:44	86-73-7	
Indeno(1,2,3-cd)pyrene	**92.2**	ug/kg	20.4	5.1	1	04/20/09 11:15	04/21/09 01:44	193-39-5	
1-Methylnaphthalene	**3.0J**	ug/kg	20.4	2.3	1	04/20/09 11:15	04/21/09 01:44	90-12-0	
2-Methylnaphthalene	**4.5J**	ug/kg	20.4	2.3	1	04/20/09 11:15	04/21/09 01:44	91-57-6	
Naphthalene	**7.3J**	ug/kg	20.4	1.5	1	04/20/09 11:15	04/21/09 01:44	91-20-3	
Phenanthrene	**80.8**	ug/kg	20.4	2.4	1	04/20/09 11:15	04/21/09 01:44	85-01-8	
Pyrene	**172**	ug/kg	20.4	1.2	1	04/20/09 11:15	04/21/09 01:44	129-00-0	
2-Fluorobiphenyl (S)	65	%	38-130		1	04/20/09 11:15	04/21/09 01:44	321-60-8	
Terphenyl-d14 (S)	70	%	41-130		1	04/20/09 11:15	04/21/09 01:44	1718-51-0	
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	04/17/09 10:52	04/17/09 13:20	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 13:20	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 13:20	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 13:20	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 13:20	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP5 **Lab ID: 4016100002** Collected: 04/14/09 10:55 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	129	%	70-155		1	04/17/09 10:52	04/17/09 12:57	2037-26-5	
4-Bromofluorobenzene (S)	123	%	70-147		1	04/17/09 10:52	04/17/09 12:57	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.5**	%	0.10	0.10	1		04/17/09 08:28		

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP5 **Lab ID: 4016100002** Collected: 04/14/09 10:55 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 12:57	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 12:57	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 12:57	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	95-47-6	W
Dibromofluoromethane (S)	151	%	70-150		1	04/17/09 10:52	04/17/09 12:57	1868-53-7	S3

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP5 **Lab ID: 4016100002** Collected: 04/14/09 10:55 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**2.4**	mg/kg	2.4	0.14	1	04/21/09 06:20	04/21/09 23:00	7440-38-2	
Cadmium	**0.14J**	mg/kg	0.59	0.019	1	04/21/09 06:20	04/21/09 23:00	7440-43-9	
Chromium	**15.1**	mg/kg	0.59	0.056	1	04/21/09 06:20	04/21/09 23:00	7440-47-3	
Lead	**14.1**	mg/kg	1.2	0.082	1	04/21/09 06:20	04/21/09 23:00	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**4.3J**	ug/kg	20.2	1.1	1	04/20/09 11:15	04/21/09 01:27	83-32-9	
Acenaphthylene	**26.4**	ug/kg	20.2	2.1	1	04/20/09 11:15	04/21/09 01:27	208-96-8	
Anthracene	**27.9**	ug/kg	20.2	5.5	1	04/20/09 11:15	04/21/09 01:27	120-12-7	
Benzo(a)anthracene	**59.9**	ug/kg	20.2	10.1	1	04/20/09 11:15	04/21/09 01:27	56-55-3	
Benzo(a)pyrene	**74.5**	ug/kg	20.2	4.4	1	04/20/09 11:15	04/21/09 01:27	50-32-8	
Benzo(b)fluoranthene	**76.2**	ug/kg	20.2	6.9	1	04/20/09 11:15	04/21/09 01:27	205-99-2	
Benzo(g,h,i)perylene	**58.6**	ug/kg	20.2	5.1	1	04/20/09 11:15	04/21/09 01:27	191-24-2	
Benzo(k)fluoranthene	**80.0**	ug/kg	20.2	7.5	1	04/20/09 11:15	04/21/09 01:27	207-08-9	
Chrysene	**79.7**	ug/kg	20.2	4.2	1	04/20/09 11:15	04/21/09 01:27	218-01-9	
Dibenz(a,h)anthracene	**20.9**	ug/kg	20.2	5.6	1	04/20/09 11:15	04/21/09 01:27	53-70-3	
Fluoranthene	**135**	ug/kg	20.2	1.3	1	04/20/09 11:15	04/21/09 01:27	206-44-0	
Fluorene	**5.4J**	ug/kg	20.2	1.1	1	04/20/09 11:15	04/21/09 01:27	86-73-7	
Indeno(1,2,3-cd)pyrene	**54.0**	ug/kg	20.2	5.1	1	04/20/09 11:15	04/21/09 01:27	193-39-5	
1-Methylnaphthalene	**4.7J**	ug/kg	20.2	2.2	1	04/20/09 11:15	04/21/09 01:27	90-12-0	
2-Methylnaphthalene	**7.2J**	ug/kg	20.2	2.2	1	04/20/09 11:15	04/21/09 01:27	91-57-6	
Naphthalene	**7.3J**	ug/kg	20.2	1.5	1	04/20/09 11:15	04/21/09 01:27	91-20-3	
Phenanthrene	**51.3**	ug/kg	20.2	2.4	1	04/20/09 11:15	04/21/09 01:27	85-01-8	
Pyrene	**106**	ug/kg	20.2	1.2	1	04/20/09 11:15	04/21/09 01:27	129-00-0	
2-Fluorobiphenyl (S)	61	%	38-130		1	04/20/09 11:15	04/21/09 01:27	321-60-8	
Terphenyl-d14 (S)	65	%	41-130		1	04/20/09 11:15	04/21/09 01:27	1718-51-0	
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	04/17/09 10:52	04/17/09 12:57	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 12:57	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 12:57	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:57	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 12:57	96-12-8	W

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP19 **Lab ID: 4016100001** Collected: 04/14/09 12:55 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene-d8 (S)	126	%	70-155		1	04/17/09 10:52	04/17/09 12:34	2037-26-5	
4-Bromofluorobenzene (S)	124	%	70-147		1	04/17/09 10:52	04/17/09 12:34	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**28.1**	%	0.10	0.10	1		04/17/09 08:28		

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP19 **Lab ID: 4016100001** Collected: 04/14/09 12:55 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	74-95-3	W
1,2-Dichlorobenzene	**<44.4**	ug/kg	60.0	44.4	1	04/17/09 10:52	04/17/09 12:34	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	100-41-4	W
Hexachloro-1,3-butadiene	**<26.4**	ug/kg	60.0	26.4	1	04/17/09 10:52	04/17/09 12:34	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	87-61-6	W
1,2,4-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	04/17/09 10:52	04/17/09 12:34	1330-20-7	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	95-47-6	W
Dibromofluoromethane (S)	142	%	70-150		1	04/17/09 10:52	04/17/09 12:34	1868-53-7	

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ANALYTICAL RESULTS

Project: 135553 MIR
Pace Project No.: 4016100

Sample: GP19 **Lab ID: 4016100001** Collected: 04/14/09 12:55 Received: 04/16/09 08:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.8**	mg/kg	1.7	0.096	1	04/21/09 06:20	04/21/09 22:56	7440-38-2	
Cadmium	**0.078J**	mg/kg	0.41	0.013	1	04/21/09 06:20	04/21/09 22:56	7440-43-9	
Chromium	**22.3**	mg/kg	0.41	0.039	1	04/21/09 06:20	04/21/09 22:56	7440-47-3	
Lead	**11.0**	mg/kg	0.83	0.057	1	04/21/09 06:20	04/21/09 22:56	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**1.5J**	ug/kg	23.2	1.3	1	04/20/09 11:15	04/21/09 01:10	83-32-9	
Acenaphthylene	**8.9J**	ug/kg	23.2	2.4	1	04/20/09 11:15	04/21/09 01:10	208-96-8	
Anthracene	**14.5J**	ug/kg	23.2	6.4	1	04/20/09 11:15	04/21/09 01:10	120-12-7	
Benzo(a)anthracene	**38.7**	ug/kg	23.2	11.6	1	04/20/09 11:15	04/21/09 01:10	56-55-3	
Benzo(a)pyrene	**46.2**	ug/kg	23.2	5.0	1	04/20/09 11:15	04/21/09 01:10	50-32-8	
Benzo(b)fluoranthene	**55.4**	ug/kg	23.2	7.9	1	04/20/09 11:15	04/21/09 01:10	205-99-2	
Benzo(g,h,i)perylene	**34.6**	ug/kg	23.2	5.9	1	04/20/09 11:15	04/21/09 01:10	191-24-2	
Benzo(k)fluoranthene	**52.3**	ug/kg	23.2	8.6	1	04/20/09 11:15	04/21/09 01:10	207-08-9	
Chrysene	**58.2**	ug/kg	23.2	4.8	1	04/20/09 11:15	04/21/09 01:10	218-01-9	
Dibenz(a,h)anthracene	**12.8J**	ug/kg	23.2	6.5	1	04/20/09 11:15	04/21/09 01:10	53-70-3	
Fluoranthene	**106**	ug/kg	23.2	1.5	1	04/20/09 11:15	04/21/09 01:10	206-44-0	
Fluorene	**2.3J**	ug/kg	23.2	1.3	1	04/20/09 11:15	04/21/09 01:10	86-73-7	
Indeno(1,2,3-cd)pyrene	**33.8**	ug/kg	23.2	5.8	1	04/20/09 11:15	04/21/09 01:10	193-39-5	
1-Methylnaphthalene	**<2.6**	ug/kg	23.2	2.6	1	04/20/09 11:15	04/21/09 01:10	90-12-0	
2-Methylnaphthalene	**2.9J**	ug/kg	23.2	2.6	1	04/20/09 11:15	04/21/09 01:10	91-57-6	
Naphthalene	**4.6J**	ug/kg	23.2	1.7	1	04/20/09 11:15	04/21/09 01:10	91-20-3	
Phenanthrene	**42.4**	ug/kg	23.2	2.8	1	04/20/09 11:15	04/21/09 01:10	85-01-8	
Pyrene	**78.3**	ug/kg	23.2	1.4	1	04/20/09 11:15	04/21/09 01:10	129-00-0	
2-Fluorobiphenyl (S)	63	%	38-130		1	04/20/09 11:15	04/21/09 01:10	321-60-8	
Terphenyl-d14 (S)	65	%	41-130		1	04/20/09 11:15	04/21/09 01:10	1718-51-0	
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	04/17/09 10:52	04/17/09 12:34	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	75-27-4	W
Bromoform	**<25.9**	ug/kg	60.0	25.9	1	04/17/09 10:52	04/17/09 12:34	75-25-2	W
Bromomethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	74-83-9	W
n-Butylbenzene	**<40.4**	ug/kg	60.0	40.4	1	04/17/09 10:52	04/17/09 12:34	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	108-90-7	W
Chloroethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	75-00-3	W
Chloroform	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	04/17/09 10:52	04/17/09 12:34	106-43-4	W
1,2-Dibromo-3-chloropropane	**<82.3**	ug/kg	250	82.3	1	04/17/09 10:52	04/17/09 12:34	96-12-8	W

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SAMPLE ANALYTE COUNT

Project: 135553 MIR
Pace Project No.: 4016100

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100020	GP13	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100021	GP14	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100022	GP15	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100023	GP16	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100024	GP11	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100025	GP12	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100026	GP10	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100027	GP9	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100028	TRIP BLANK	EPA 8260	JJB	64	PASI-G

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SAMPLE ANALYTE COUNT

Project: 135553 MIR
Pace Project No.: 4016100

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100011	GP3 SS3	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100012	GP4 SS2	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100013	GP4 SS4	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100014	GP21	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100015	GP20	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100016	GP23	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100017	GP22	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100018	GP17	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100019	GP18	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G

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SAMPLE ANALYTE COUNT

Project: 135553 MIR
Pace Project No.: 4016100

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4016100001	GP19	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100002	GP5	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100003	GP6	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100004	GP7	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100005	GP8	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100006	GP1 SS1	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100007	GP1 SS3	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100008	GP2 SS2	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100009	GP2 SS4	ASTM D2974-87	MRN	1	PASI-G
		EPA 6010	DLB	4	PASI-G
		EPA 8260	JJB	64	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4016100010	GP3 SS1	ASTM D2974-87	MRN	1	PASI-G

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 135553 MIR
Pace Project No.: 4016100

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4016100001	GP19	Solid	04/14/09 12:55	04/16/09 08:45
4016100002	GP5	Solid	04/14/09 10:55	04/16/09 08:45
4016100003	GP6	Solid	04/14/09 11:00	04/16/09 08:45
4016100004	GP7	Solid	04/14/09 11:05	04/16/09 08:45
4016100005	GP8	Solid	04/14/09 11:15	04/16/09 08:45
4016100006	GP1 SS1	Solid	04/14/09 10:25	04/16/09 08:45
4016100007	GP1 SS3	Solid	04/14/09 10:35	04/16/09 08:45
4016100008	GP2 SS2	Solid	04/14/09 10:10	04/16/09 08:45
4016100009	GP2 SS4	Solid	04/14/09 10:15	04/16/09 08:45
4016100010	GP3 SS1	Solid	04/14/09 09:50	04/16/09 08:45
4016100011	GP3 SS3	Solid	04/14/09 10:00	04/16/09 08:45
4016100012	GP4 SS2	Solid	04/14/09 09:40	04/16/09 08:45
4016100013	GP4 SS4	Solid	04/14/09 09:47	04/16/09 08:45
4016100014	GP21	Solid	04/14/09 13:10	04/16/09 08:45
4016100015	GP20	Solid	04/14/09 13:00	04/16/09 08:45
4016100016	GP23	Solid	04/14/09 13:30	04/16/09 08:45
4016100017	GP22	Solid	04/14/09 13:20	04/16/09 08:45
4016100018	GP17	Solid	04/14/09 12:35	04/16/09 08:45
4016100019	GP18	Solid	04/14/09 12:45	04/16/09 08:45
4016100020	GP13	Solid	04/14/09 12:05	04/16/09 08:45
4016100021	GP14	Solid	04/14/09 12:10	04/16/09 08:45
4016100022	GP15	Solid	04/14/09 12:20	04/16/09 08:45
4016100023	GP16	Solid	04/14/09 12:25	04/16/09 08:45
4016100024	GP11	Solid	04/14/09 11:25	04/16/09 08:45
4016100025	GP12	Solid	04/14/09 11:35	04/16/09 08:45
4016100026	GP10	Solid	04/14/09 11:45	04/16/09 08:45
4016100027	GP9	Solid	04/14/09 11:55	04/16/09 08:45
4016100028	TRIP BLANK	Solid	04/14/09 00:00	04/16/09 08:45

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(920)469-2436

CERTIFICATIONS

Project: 135553 MIR
Pace Project No.: 4016100

Green Bay Certification IDs

Wisconsin DATCP Certification #: 105-444
Wisconsin DATCP Certification #: 105-444
Wisconsin Certification #: 405132750
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
South Carolina Certification #: 83006001
North Dakota Certification #: R-200
North Dakota Certification #: R-150
North Carolina Certification #: 503
North Carolina Certification #: 503
New York Certification #: 11887
New York Certification #: 11888
Minnesota Certification #: 055-999-334
Minnesota Certification #: 055-999-334
Louisiana Certification #: 04169
Louisiana Certification #: 04168
Kentucky Certification #: 83
Kentucky Certification #: 82
Illinois Certification #: 200051
Illinois Certification #: 200050
Florida/NELAP Certification #: E87951
Florida/NELAP Certification #: E87948

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

April 29, 2009

Rec'd
5/18/09

Steve Osesek
Shaw Environmental
831 Critter Court
Onalaska, WI 54650

RE: Project: 135553 MIR
Pace Project No.: 4016100

Dear Steve Osesek:
Enclosed are the analytical results for sample(s) received by the laboratory on April 16, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Kang Khang

Kang Khang

kang.khang@pacelabs.com
Project Manager

Enclosures

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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Shaw Environmental
Branch/Location:	Milwaukee, WI
Project Contact:	Steve Oseek
Phone:	608-781-5470
Project Number:	135553
Project Name:	MIR
Project State:	WI
Sampled By (Print):	Chris Pesllek
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Steve Oseek
Mail To Company:	Shaw Environmental
Mail To Address:	831 Critter Court Suite 400 Onalaska, WI 54650
Invoice To Contact:	Dawn Dichristopher
Invoice To Company:	Shaw
Invoice To Address:	111 W. Pleasant St. Suite 105 Milwaukee, WI 53212
Invoice To Phone:	414-291-2350

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	FILTERED? (YES/NO)	PRESERVATION (CODE)*	VOC	PAH	Lead	Chromium	Cadmium	Arsenic	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Pick Letter			Analyses Requested								
001	GP19		[illegible]	S		N	F	X	X	X	X	X	X	1-40mlV 1-40mlA	1-40mlF	
002	GP5		[illegible]	S		N	A	X	X	X	X	X	X			
003	GP6		1100	S		N	A	X	X	X	X	X	X			
004	GP7		1105	S		N	A	X	X	X	X	X	X			
005	GP8		1115	S		N	A	X	X	X	X	X	X			
006	GP1 SS1		1025	S		N	A	X	X	X	X	X	X			
007	GP1 SS3		1035	S		N	A	X	X	X	X	X	X			
008	GP2 SS2		1010	S		N	A	X	X	X	X	X	X			
009	GP2 SS4		[illegible]	S		N	A	X	X	X	X	X	X			
010	GP3 SS1		[illegible]	S		N	A	X	X	X	X	X	X			
011	GP3 SS3		1000	S		N	A	X	X	X	X	X	X			
012	GP4 SS2		940	S		N	A	X	X	X	X	X	X			
013	GP4 SS4		947	S		N	A	X	X	X	X	X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/14/09 1400	D. Tarent	4/15/9 1310
D. Tarent	4/15/9 1700		
WALCO	4/16/09 845	[signature]	4/16/09 845

PACE Project No. 4016100
Receipt Temp = 2.01 °C
Sample Receipt pH OK / Adjusted N/A
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Shaw
Branch/Location:	Milwaukee
Project Contact:	Steve Osesek
Phone:	608-781 5470
Project Number:	135553
Project Name:	MIR
Project State:	WI
Sampled By (Print):	Chris Pesttek
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Steve Osesek
Mail To Company:	Shaw
Mail To Address:	431 Critter Court Suite 4 Oconto, WI 54650
Invoice To Contact:	Renee Richstoffer
Invoice To Company:	Shaw
Invoice To Address:	111 W. Pleasant St. Suite 10 Milwaukee WI 53212
Invoice To Phone:	414-291-2350

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

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PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: VOC	MAH	Lead	Chromium	Cadmium	Arsenic	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N		N	Y	N	N	N	N			
					Pick Letter		F	A	A	A	A	A			
014	GP 21	4/14	1110	S			X	X	X	X	X	X	1-40ml poly A	1-40ml MA 1-40ml F	
015	GP 20		1020	S			X	X	X	X	X	X			
016	GP 23		1130	S			X	X	X	X	X	X			
017	GP 22		1200	S			X	X	X	X	X	X			
018	GP 17		1235	S			X	X	X	X	X	X			
019	GP 18		1245	S			X	X	X	X	X	X			
020	GP 13		1205	S			X	X	X	X	X	X			
021	GP 14		1210	S			X	X	X	X	X	X			
022	GP 15		1220	S			X	X	X	X	X	X			
023	GP 16		1225	S			X	X	X	X	X	X			
024	GP 11		1125	S			X	X	X	X	X	X			
025	GP 12		1135	S			X	X	X	X	X	X			
026	GP 10		1145	S			X	X	X	X	X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	4/14/09 1400	D. Fawcett	4/15/9 1310
D. Fawcett	4/15/9 1700		
Walter	4/16/09 845		4/14/09 845

PACE Project No.: 40116100

Receipt Temp = 2.01 °C

Sample Receipt pH OK / Adjusted N/A

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 08/14/08

C019a(27Jun2006)

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H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Shaw
Branch/Location:	Milwaukee
Project Contact:	Steve Oseseik
Phone:	(608-781-5470
Project Number:	135553
Project Name:	MIR
Project State:	WI
Sampled By (Print):	Chris Pesflek
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Steve Oseseik
Mail To Company:	Shaw Environmental
Mail To Address:	831 Critter Court suite 49 Onalaska, WI 54650
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analysis Requested: VOC	PAH	Lead	Chromium	Cadmium	Arsenic	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	FILTERED? (YES/NO)	N	N	N	N	N	N						
	PRESERVATION (CODE)*	F	A	A	A	A	A						
027	GP-9	4/14	1155	S	X	X	X	X	X	X	1-4oz poly A	1-4oz AG A 1-40ml F	
028	trip Black	1			X								

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	4/14/09 1400	D. Fennell	4/15/09 1310
D. Fennell	4/15/09 1700		
NMO	4/16/09 845		

PACE Project No.: 4016100
Receipt Temp = 2.01 °C
Sample Receipt pH OK / Adjusted N/A
Cooler Custody Seal: Present / Not Present, Intact / Not Intact

Version 8.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

Pace Analytical

Client Name: Shaw Environmental Project # 4W16100

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other Walk-in

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals Intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used 201 | 9b Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature N/A | 0° Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C Comments:

Date and Initials of person examining contents: 4/16/09 KE

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

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: JJL Date: 4/17/09

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)

File Copy

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

July 1, 2009

John Corey
Dodge County Corporation Counsel
127 East Oak Grove Street
Juneau, WI 53039

Subject: Reported Contamination at Monarch Development Lot 8 (Former Malleable Iron Range Property), 715 N. Spring Street, Beaver Dam, WI
WDNR BRRTS # 02-14-553768

Dear Mr. Corey:

On May 18, 2009, Shaw Environmental, Inc., on behalf of Dodge County, notified the Wisconsin Department of Natural Resources ("WDNR") that polycyclic aromatic hydrocarbon (PAH) contamination had been detected at the site described above.

The subject site is part of the former Malleable Iron Range (MIR) property (WDNR BRRTS # 03-14-001263) which was closed by the WDNR on April 1, 2008. In 1995, the MIR property was platted into 11 lots and the plat is called Monarch Development. One of the requirements of final closure for the MIR case was that direct contact threats must be addressed in any future redevelopment of the property. An additional requirement was that any soil that is excavated in the future must be sampled and analyzed for polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and metals (lead, cadmium, chromium, arsenic) and handled appropriately. Contamination was discovered as a result of soil sampling performed in anticipation of a property transaction.

Based on the information that has been submitted to the WDNR to date regarding this site, we believe you are responsible for investigating and restoring the environment at the above-described site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spills law.

This letter describes the legal responsibilities of a person who is responsible under section 292.11, explains what you need to do to investigate and clean up the contamination.

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:
Based upon the information available to the WDNR at this time, WDNR believes that additional response actions are needed because the concentrations of PAHs exceed the suggested non-industrial generic residual contaminant levels for direct contact.

The subject site is owned by Dodge County with the goal of selling the parcel for redevelopment purposes. It is WDNR's understanding that there is a potential purchaser for the subject parcel and work is being conducted to facilitate the sale and redevelopment of the site.

Dodge County and its environmental consulting firm, Shaw Environmental, have been working closely with the WDNR to address environmental concerns at the site. There is contamination that will require the implementation of a remedial action plan that provides protection to the public from direct contact exposures to the PAH contaminants that exist at the site.

The WDNR is also working with you and your consultant to direct you towards potential sources of financial assistance that may help with addressing the environmental contamination at the site to facilitate future redevelopment.

Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System ("BRRTS"), a version of which appears on the WDNR's internet site. You may view the information related to your site at any time (http://www.dnr.state.wi.us/org/aw/rr/brrts) and use the feedback system to alert us to any errors in the data.

If you want a formal response from the agency on a specific submittal, as you know, a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you should proceed under the advice of your consultant to complete the site investigation to maintain your compliance with the spills law and chapters NR 700 through NR 749. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

Denise Nettesheim
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711-5397

Unless otherwise requested, please send only one copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

Please call me at the number shown below with any questions regarding this letter.

Thank you for your cooperation.

Sincerely,

Denise Nettesheim
Hydrogeologist
Remediation & Redevelopment Program
(608) 275-3209

cc: Victoria Loveland, Shaw Environmental, 831 Critter Court, Suite 400, Onalaska, WI 54650-8674
Case File

Nettesheim, Denise G - DNR

From: Loveland, Vicky [Vicky.Loveland@shawgrp.com]
Sent: Thursday, April 02, 2009 1:15 PM
To: Nettesheim, Denise G - DNR
Subject: FW: A&W- Beaver Dam, WI
Attachments: 2009-02-17_Bevear Dam-WI_SP-6.pdf; 2009-03-30_Bevear Dam-WI_SP-6-excavation.pdf; 001-survey-021209.pdf

Denise, are you in the office to discuss this site in more detail? Please let me know and I'll call you.

Victoria L. Loveland
Engineer 3
Shaw Environmental & Infrastructure
831 Critter Court, Suite 400
Onalaska, Wisconsin 54650
715.849.8986 direct
715.571.6042 cell
715.849.4040 fax
www.shawgrp.com

Privileged And Confidential Communication For Providing Legal Counsel - Environmental Audit/Attorney Work Product

---

From: Jeff Brownell [mailto:jbrownell@pfdainc.com]
Sent: Thursday, April 02, 2009 12:23 PM
To: Loveland, Vicky
Cc: Rouse, David; Voss, Gary
Subject: A&W- Beaver Dam, WI

Vicky,
As requested, we are sending you our current site sketch for the proposed A&W project at the corner of N. Spring Street and E. Main Street in Beaver Dam. Our site sketch dated 2-17-09 shows our proposed layout and the requested sketch dated 3-30-09 was an exhibit prepared to show excavation quantities for removal of bad soils.

Also enclosed is a copy of a survey which shows the existing grades for this site. The site slopes approximately 4' across the width of the site. We would anticipate that half the site would sit in a fill area which may be important when determining the quantity of excavated material.

(Gary/ David- Vicky works for Shaw Environmental and she has been contacted by Dodge County for a second opinion on the existing fill issue)

Jeffrey Brownell
ALA/ LEED AP

PFDA Architects, Inc.
2803 Butterfield Rd, Suite 340
Oak Brook, IL 60523
P:312.795.1245 ext. 236
F:312.795.6123

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The Shaw Group Inc. http://www.shawgrp.com

SITE SKETCH - SP6 (EXCAVATION)

Yum! Brands

Project Information

Site#: 30-6673
Entity#: 37-2929
Address: SEC N. Spring Street + Main Street
City/State: CITY OF BEAVER DAM, WI
CM: GARY VOSS
REM: DAVID ROUSE
RC:
RAP:
Contact: MATT WILLIAMS

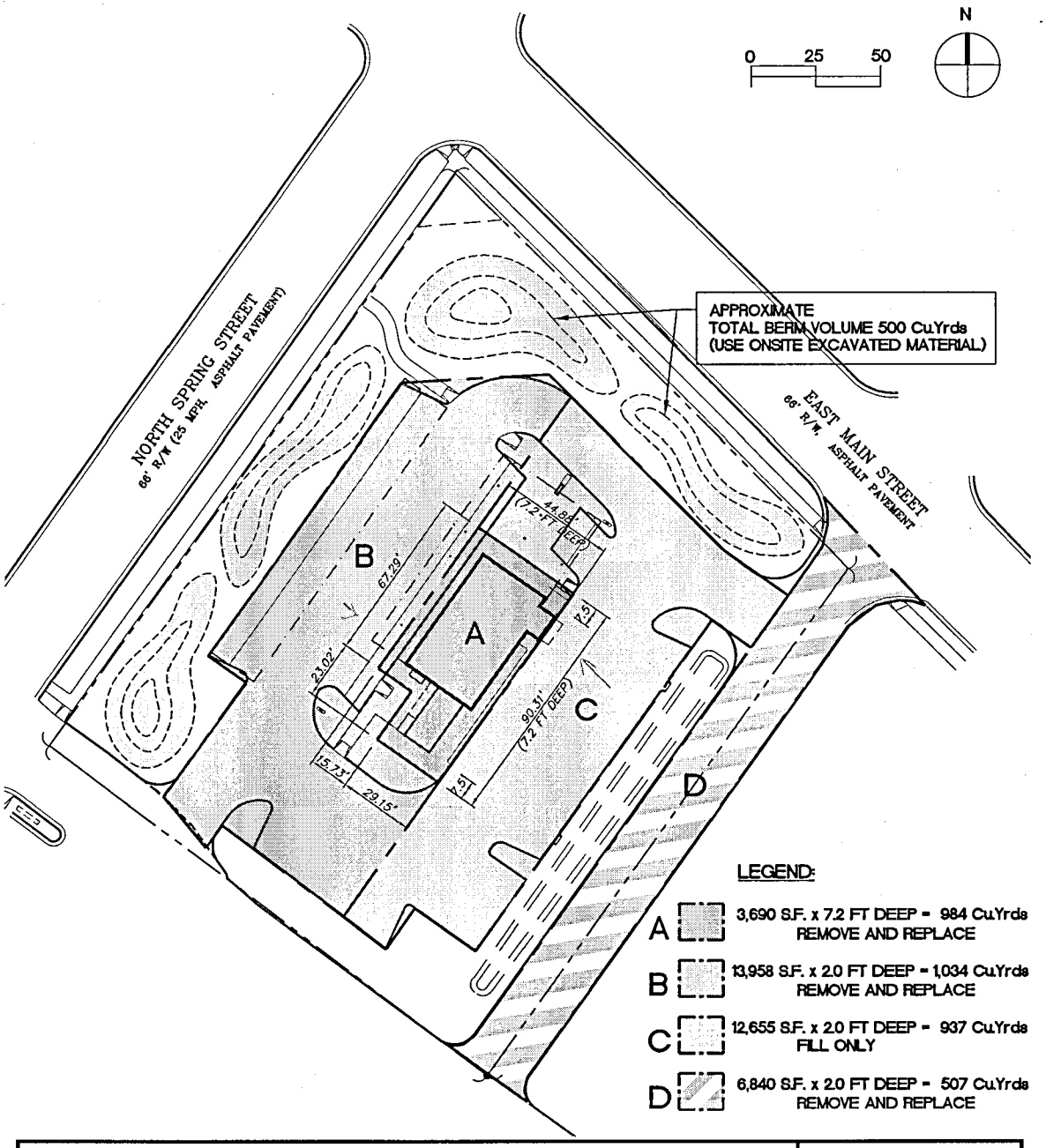
Building Design: AWDI-OPTION 3 (1,975 SF)
Required Parking: PER REVIEW
Parking Provided: 42 (22 EOS's)
Drive-Thru Stack: 8
Parcel Sq. Ft.: 54,982
Pole/Monument Sign: EITHER IS ALLOWED
Height of Sign Allowed: 50'-0"
Size of Sign Allowed: PER REVIEW

Consultant

Firm: PFDA, Inc.
Contact: JEFFREY BROWNELL
Phone: 312 795 1245
Fax: 312 795 6123
Sketch Date: 10/17/08, 11/25/08, 12/11/08,
Rev. Date: 12/2/08, 1/13/09, 01/27/09,
Rev. Date: 1/30/09, 2/03/09, 2/09/09,
Rev. Date: 2/17/09, 3/27/09, 3/30/09
Rev. Date:
Scale: 1" = 50'

Approvals

Construction Manager(CM): _____ Date: _____
Director of Development(DoD): _____ Date: _____
Region Coach(RC): _____ Date: _____
Region Architect(RAP): _____ Date: _____



For Non-Standard, please check all that apply. ZONE "XXXXX"

☐ Site Standards ☐ Footprint ☐ Exterior Image ☐ Signage ☐ Equipment Layout ☐ Interior Decor

Additional Notes:

☐ Standard Prototype

☒ Non-Standard ☐ Delco

See attached equipment plan and exterior elevations.

SITE SKETCH-SP6 (OPTION -3)

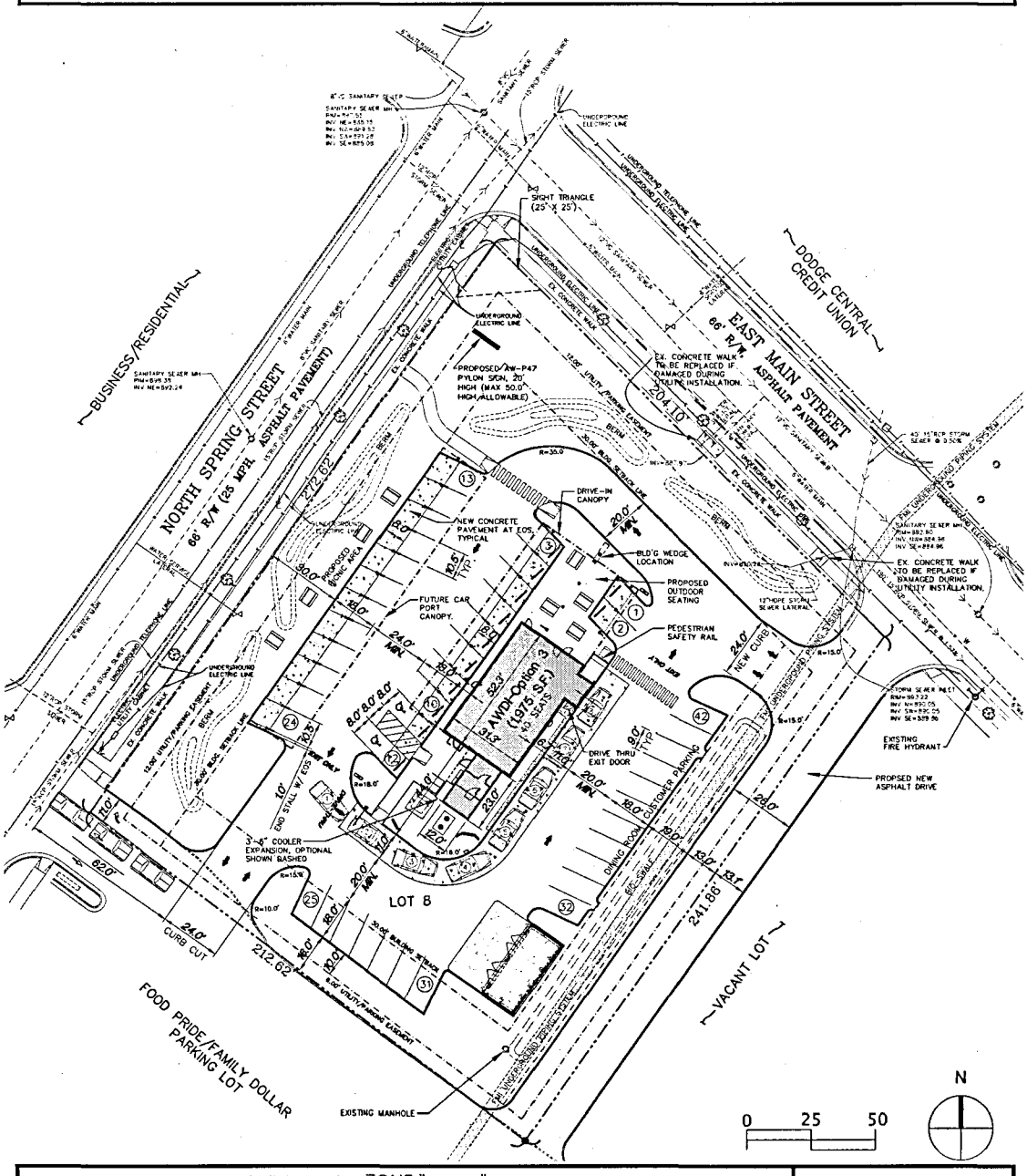
Yum! Brands

Project Information			
Site#:	30-6673	Building Design:	AWDI-OPTION 3 (1,975 SF)
Entity#:	37-2929	Required Parking:	PER REVIEW
Address:	SEC N. Spring Street & Main Street	Parking Provided	42 (22 EOS's)
City/State:	CITY OF BEAVER DAM, WI	Drive-Thru Stack:	8
CM:	GARY VOSS	Parcel Sq. Ft.:	54,982
REM:	DAVID ROUSE	Pole/Monument Sign:	EITHER IS ALLOWED
RC:		Height of Sign Allowed:	50'-0"
RAP:		Size of Sign Allowed:	PER REVIEW
Contact:	MATT WILLIAMS		

Consultant	
Firm:	PFDA, Inc.
Contact:	JEFFREY BROWNELL
Phone:	312 795 1245
Fax:	312 795 6123
Sketch Date:	10/17/08 11/25/08,
Rev. Date:	12/11/08, 12/2/08
Rev. Date:	1/13/09, 01/27/09,
Rev. Date:	01/30/09 02/03/09,
Rev. Date:	02/09/09, 02/17/09
Scale: 1"=	50'

Approvals

Construction Manager(CM):		Date:	
Director of Development(DoD):		Date:	
Region Coach(RC):		Date:	
Region Architect(RAP):		Date:	



For Non-Standard, please check all that apply. ZONE "xxxxx"

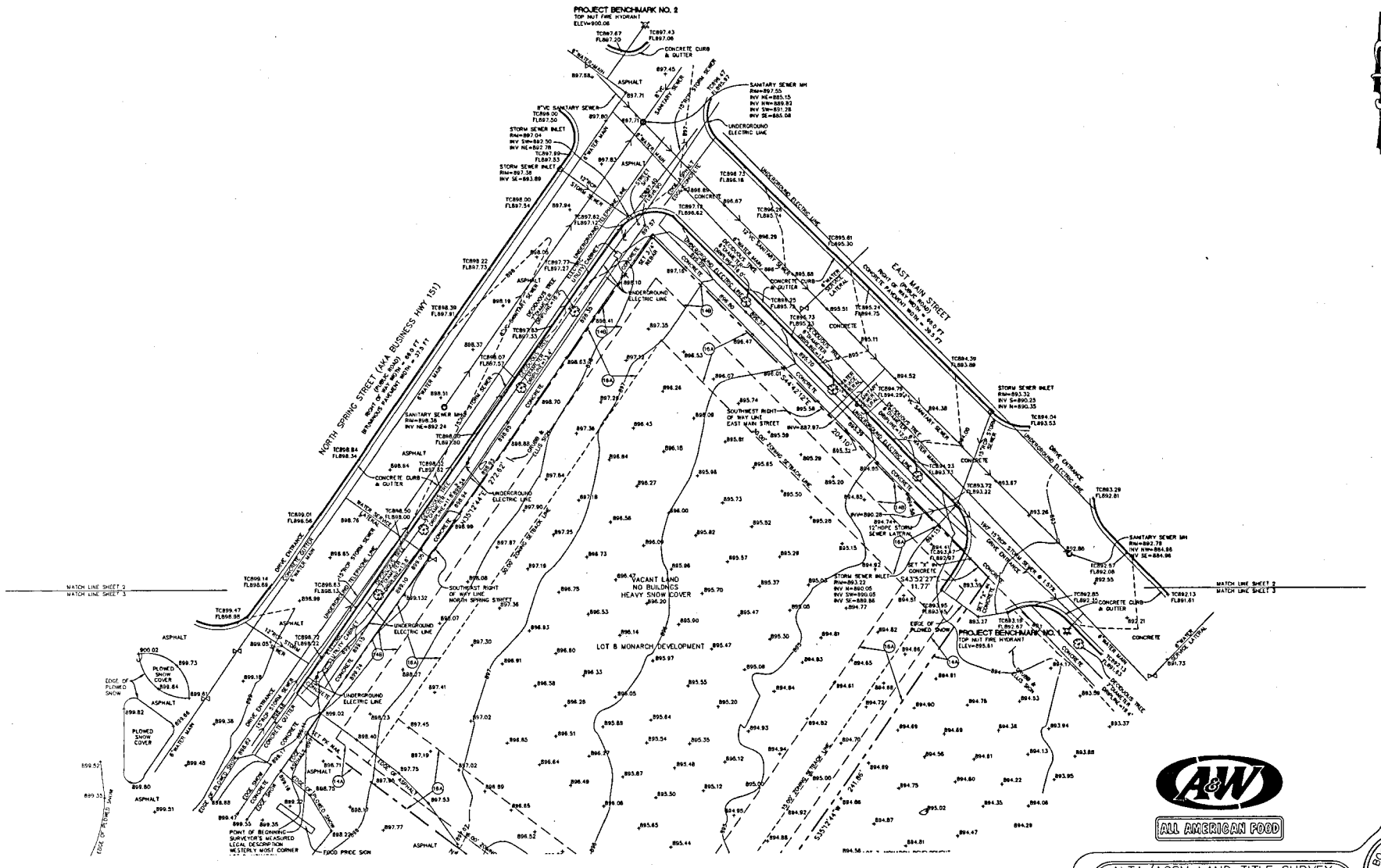
☐ Site Standards ☐ Footprint ☐ Exterior Image ☐ Signage ☐ Equipment Layout ☐ Interior Decor

Additional Notes:

☐ Standard Prototype

☒ Non-Standard ☐ Delco

See attached equipment plan and exterior elevations.



Bock & Clark's National Surveyors Network
National Coordinators of ALTA/ACSM Land Title Surveys
537 North Cleveland-Massillon Road Akron, Ohio 44333
Phone: (800) Surveys Fax: (330) 666-3608 www.1800Surveys.com

ALL AMERICAN FOOD

ALTA/ACSM LAND TITLE SURVEY

PREPARED FOR:
A & W RESTAURANT PROJECT

DATE: 1-22-2009
Project No. 200900049-001

PDF created with pdfFactory trial version

Items Corresponding to Schedule B

(11) Public or private rights, if any, in such portion of the subject premises as may be presently used, laid out, platted or dedicated in any manner whatsoever, for street, highway and/or alley purposes. This item is not plotted hereon as it does not affect the subject property.

(13) A 15.00 foot wide Sanitary Sewer Easement contained in Affidavit of Easement recorded November 29, 1990 in Volume 704, Page 708 as Document Number 538418. This item is not plotted hereon as it does not affect the subject property.

(14A) A 8.00 foot wide Utility Easement as shown on the plat of Monarch Development recorded October 20, 1995 in Cabinet A of Plats, Page 257 as Document Number 816420. This item is plotted hereon and does affect the subject property.

(14B) A 12.00 foot wide Utility Easement as shown on the plat of Monarch Development recorded October 20, 1995 in Cabinet A of Plats, Page 257 as Document Number 816420. This item is plotted hereon and does affect the subject property.

(15) Covenants and Restrictions contained in Reciprocal Easement Agreement recorded October 27, 1995 in Volume 861, Page 427 as Document Number 816799. This item is not plotted hereon as it is blanket in nature and does affect the entire subject property.

(16A) A 30.00 foot Building Setback Line contained in Declaration of Covenants and Restrictions for the Monarch Development recorded October 27, 1995 in Volume 861, Page 437 as Document Number 816800. This item is plotted hereon and does affect the subject property.

(16B) Covenants, Terms, Provisions and Conditions contained in Declaration of Covenants and Restrictions for the Monarch Development recorded October 27, 1995 in Volume 861, Page 437 as Document Number 816800. This item is not plotted hereon as it is blanket in nature and does affect the entire subject property.

(18) Covenants, Terms, Provisions and Conditions contained in Resolution Number 05-15 recorded July 12, 2005 as Document Number 1049828. This item is not plotted hereon as it is blanket in nature and does affect the entire subject property.

Miscellaneous Notes

GENERAL NOTES:

1. All measured and recorded dimensions are the same unless noted otherwise.
2. There is no visible evidence of cemeteries or burial grounds on the subject property.
3. No monuments shown have identification numbers.
4. There was no observable evidence of earth moving work, building construction or building additions within recent months.
5. There were no changes in street right of way lines either completed or proposed, and available from the controlling jurisdiction.
6. There was no observable evidence of recent street or sidewalk construction or repairs.
7. There was no observable evidence of site use as a solid waste dump, sump or sanitary landfill.
8. The utility locations shown hereon were determined by utility markings provided by the respective utility companies and underground plans obtained from the local municipality.
9. All elevations are based on USGS datum.
10. On the date of the survey, the subject property was covered with snow and ice ranging in depth from 18 to 36 inches. Street plowing operations have resulted in frozen sand plowed snow piles, along the street curb and gutter, averaging four feet in depth. The commercial property to the Southeast has plowed their large parking area towards the subject property, resulting in a vast area of plowed snow along the Southwest area of the subject property, with an average depth of ten feet. Only the improvements accessible above the snow cover on the subject property are shown hereon.

BASIS OF BEARINGS:

All bearings are referenced to the Northwest line of Lot 8, Monarch Development, City of Beaver Dam, Dodge County, Wisconsin recorded October 20, 1995 in Cabinet A of Plats, Page 257 as Document Number 816420, having a recorded bearing of N35 degrees 12'44"E.

LOT AREA:

54,681 square feet
1.2553 acres

FLOOD NOTE: By graphic plotting only, this property is in Zone ___ of the Flood Insurance Rate Map,Community Panel No. ___ 550106 0001 B, which bears an effective date of 4-3-1984 ___, and is not in a Special Flood Hazard Area. By telephone call dated 1-12-2009 to the National Flood Insurance Program, (800-638-6620) we have learned this community does currently participate in the program. No field surveying was performed to determine this zone and an elevation certificate may be needed to verify this determination or apply for a variance from the Federal Emergency Management Agency.

Statement of Encroachments

On the date of this survey, the subject property was covered with snow and ice ranging in depth from 18 to 36 inches. Street plowing operations have resulted in frozen sand plowed snow piles, along the street curb and gutter, averaging four feet in depth. The commercial property to the Southeast has plowed their large parking area toward the subject property, resulting in a vast area of plowed snow along the Southwest area of the subject property, with an average depth of ten feet. Only the improvements accessible above the snow cover on the subject property are shown hereon.

On the date of this survey, no visible encroachments were observed.

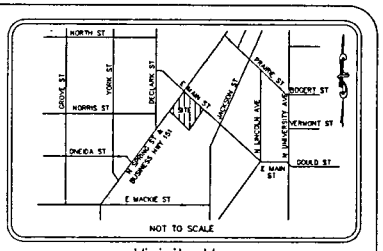
BENCHMARK NOTES:

Project Benchmark No. 1: Top Nut of Fire Hydrant 23.8 feet South and 35.8 feet East of the Easterly most property corner
Top Nut Elevation = 893.61

Project Benchmark No. 2: Top Nut of Fire Hydrant 93.6 feet North and 3.2 feet West of the Northerly most property corner
Top Nut Elevation = 900.08

Zoning Information

STATUS	CURRENT ZONING: COMMERCIAL ZONING DISTRICT		STATUS	
ITEM	REQUIRED	OBSERVED	SOURCE INFORMATION	CITY OF BEAVER DAM, WI INSPECTION SERVICES DEPT.
PERMITTED USE	RESTAURANTS/TAVERNS	VACANT LAND	ADDRESS	208 E. LINCOLN AVE. BEAVER DAM, WI 53916
MINIMUM LOT AREA	NOT APPLICABLE	54,681 SQ. FT.	PERSON CONTACTED	www.cityofbeaverdam.com
MINIMUM FRONTAGE	NOT APPLICABLE	272.82 FT.	DATE CONDUCTED	1-28-2009
MINIMUM LOT WIDTH	NOT APPLICABLE	241.86 FT.	PHONE/FAX NUMBER	1-920-887-4600
MAX. BUILDING COVERAGE	NOT APPLICABLE	NOT APPLICABLE	EMAIL ADDRESS	NOT APPLICABLE
MINIMUM SETBACKS FRONT	30.00 FT.	NOT APPLICABLE	NOTES:	
MINIMUM SETBACKS SIDE	8.00 FT.	NOT APPLICABLE		
MINIMUM SETBACKS REAR	15.00 FT.	NOT APPLICABLE		
MAX. BUILDING HEIGHT	3 STORIES / 45.00 FT.	NOT APPLICABLE		
PARKING REGULAR	NOT APPLICABLE	0		
PARKING HANDICAP	NOT APPLICABLE	0		
PARKING TOTAL	NOT APPLICABLE	0		



Vicinity Map

Legend of Symbols & Abbreviations

Power Pole
Power Pole w/Light
Light Pole
Telephone Pole
Guy Wire
Street Light
Ground Light
Electric Manhole
Telephone Manhole
Telephone Pedestal
Electric Meter
Cable Box
Air Conditioner Unit
Railroad Signals
Flag Pole
Sign (As Noted)
Well Head
Satellite Dish
Tower
Water Valve
Fire Hydrant
Siamese Fire Hydrant
Water Manhole
Water Meter Pit
Water Meter
Sprinkler Head
Indicates Handicapped Parking
Storm Manhole
Storm Inlet (Square)
Storm Inlet (Round)
Curb Storm Inlet
Storm Pipe
Sanitary Sewer
Sanitary Clean Out
Gas Valve
Gas Manhole
Gas Meter
Gas Marker
Indicates Mutual Ownership
Tree (As Noted)

N. North
S. South
E. East
W. West
° Degrees
' Feet or Minutes
" Inches or Seconds
Sq. Square
Ft. Feet
Vol. Volume
Pg. Page
O.R. Official Record
Calc. Calculated
Rec. Record
R/W Right of Way
C/L Centerline

XX' DENOTES DISTANCE FROM BUILDING CORNER TO PROPERTY LINE
XX' DENOTES DISTANCE FROM BUILDING CORNER TO BUILDING SIDEWALL
(XX.XX) DENOTES RECORDED AS DATA

A&W ALL AMERICAN FOOD

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Record Legal Description

RECORD LEGAL DESCRIPTION:

Lot 8 of Monarch Development, in the City of Beaver Dam, Dodge County, Wisconsin.

Parcel Identification No.: 208-1214-3342-107

Surveyor's Measured Legal Description

SURVEYOR'S MEASURED LEGAL DESCRIPTION:

Lot 8, Monarch Development, City of Beaver Dam, Dodge County, Wisconsin being more particularly described as follows:

Beginning at the Westerly most corner of said Lot 8; thence N35 degrees 12'44"E, 272.82 feet; thence S44 degrees 42'12"E, 204.10 feet; thence S43 degrees 52'27"E, 11.77 feet; thence S35 degrees 12'44"W, 241.86 feet; thence N52 degrees 50'42"W, 212.83 feet to the point of beginning.

Contained within said bounds 54,681 square feet or 1.2553 acres.

This description describes all the land described in the title commitment identified as Chicago Title Insurance Company Commitment Number LTC-30171 having an effective date of January 7, 2009.

ALTA/ACSM Land Title Survey

A&W Restaurant

A&W Site No. 29-4473, Bock No. 27-2929
B&C Project No. 200900049, 001
A&W Restaurant

Southeast Corner of E. Main & N. Spring Streets, Beaver Dam, WI

Surveyor's Certification

To: A&W Restaurants Inc., A Michigan Corporation and its affiliates; Chicago Title Insurance Company; and Bock & Clark Corporation:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted by ALTA and NSPS in 2005, and includes Items 1, 2, 3, 4, 5, 6, 7a, 7b(1), 7c, 8, 9, 10, 11b, 13, 16, 17, 18 and Yum Brands' Appendix A, B, C & D of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA and NSPS and in effect on the date of this certification, undersigned further certifies that to my professional opinion, as a land surveyor registered in the State of Wisconsin, the Relative Positional Accuracy of this survey does not exceed that which is specified therein.

Roland Sarko
Roland J. Sarko
Wisconsin Registered Land Surveyor
Registration Number S-1377
Date of Survey 1-22-2009
Date of Last Revision: 2-11-2009
Network Project No. 200900048-1

ROLAND J. SARKO S-1377 REGISTERED LAND SURVEYOR

Survey Performed By:
Sarko Engineering Inc.
847 Highway JG
Mount Horeb, WI 53572
Phone: 608-832-6297
Fax: 608-832-6349
Email: rsarko@mhtc.net

Sheet 1 of 3

Bock & Clark's National Surveyors Network
National Coordinators of ALTA/ACSM Land Title Surveys
5371 North Cleveland-Massillon Road Akron, Ohio 44333
Phone: (800) Surveys Fax: (330) 666-3608 www.1800Surveys.com

BOCK & CLARK 1-800-SURVEYS

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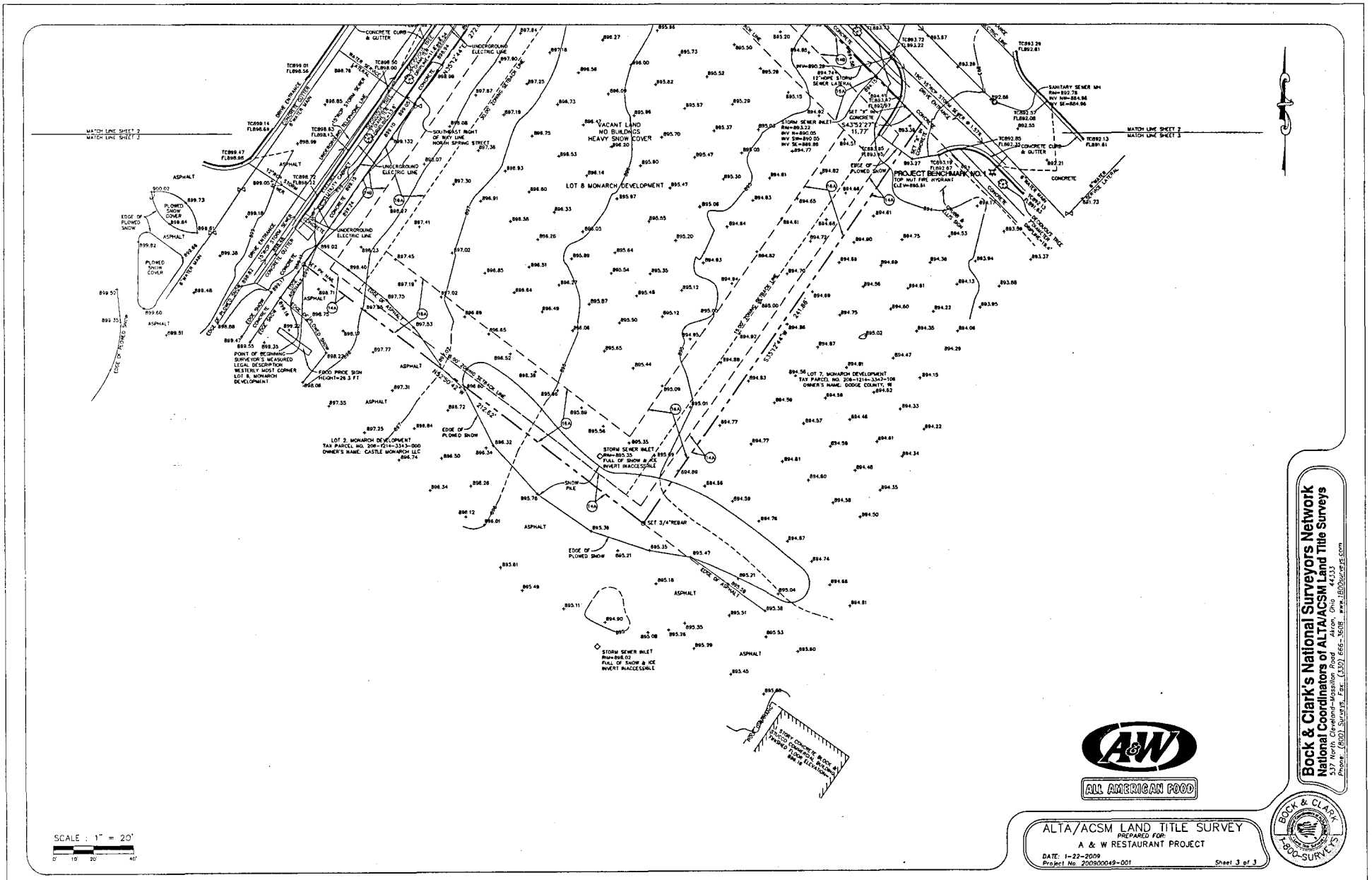

ALL AMERICAN FOOD

ALTA/ACSM LAND TITLE SURVEY
PREPARED FOR:
A & W RESTAURANT PROJECT
DATE: 1-22-2009
Project No. 200900049-001
Sheet 3 of 3

Bock & Clark's National Surveyors Network
National Coordinators of ALTA/ACSM Land Title Surveys
537 North Cleveland-Massillon Road Akron, Ohio 44333
Phone: (800) Surveys Fax: (330) 666-3618 www.1800bureyes.com

BOCK & CLARK 1-800-SURVEYS

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SITE SKETCH - SP6 (EXCAVATION)

Yum! Brands

Project Information

Site#: 30-6673
Entity#: 37-2929
Address: SEC N. Spring Street + Main Street
City/State: CITY OF BEAVER DAM, WI
CM: GARY VOSS
REM: DAVID ROUSE
RC:
RAP:
Contact: MATT WILLIAMS

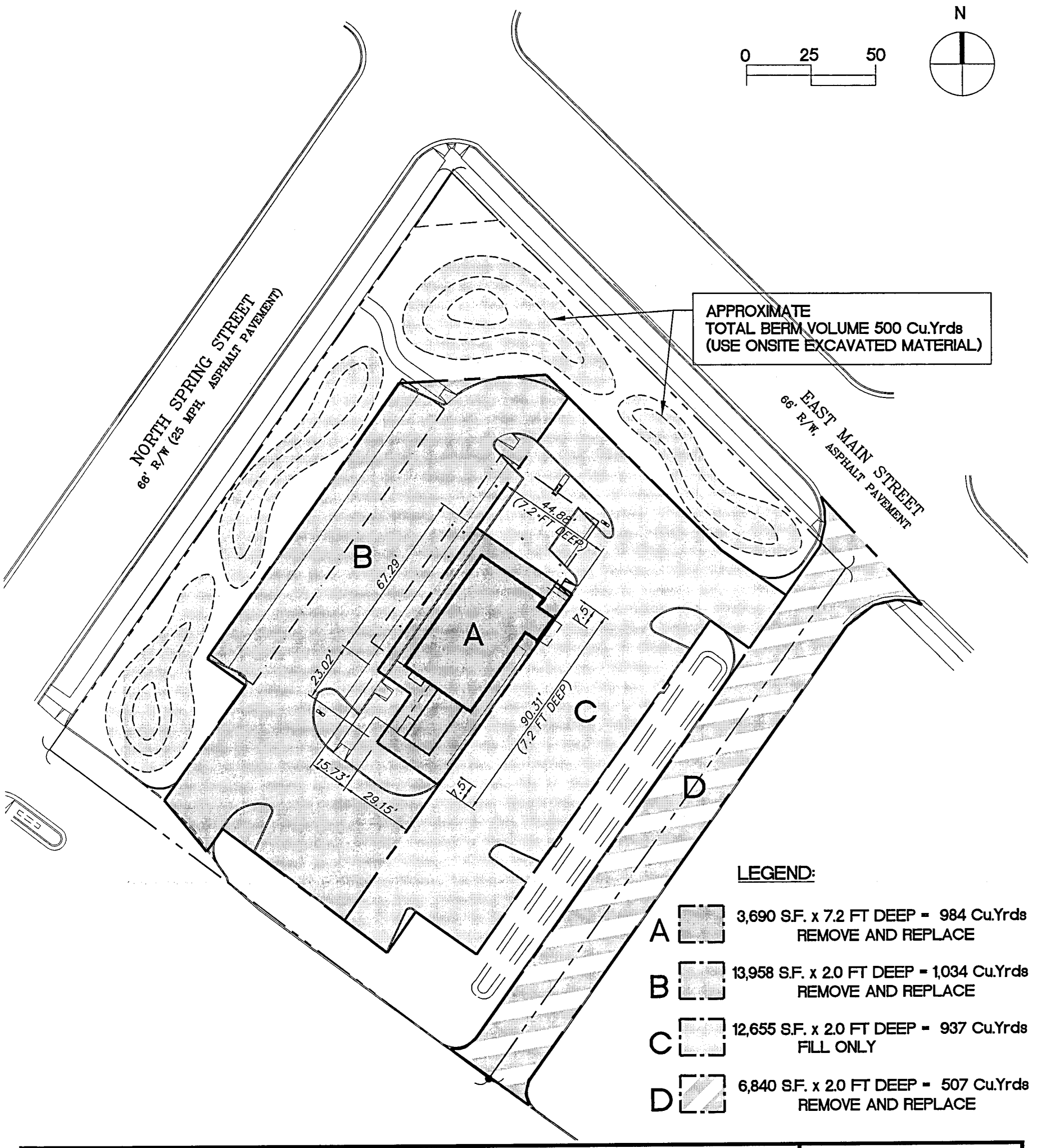
Building Design: AWDI-OPTION 3 (1,975 SF)
Required Parking: PER REVIEW
Parking Provided 42 (22 EOS's)
Drive-Thru Stack: 8
Parcel Sq. Ft.: 54,982
Pole/Monument Sign: EITHER IS ALLOWED
Height of Sign Allowed: 50'-0"
Size of Sign Allowed: PER REVIEW

Consultant

Firm: PFDA, Inc.
Contact: JEFFREY BROWNELL
Phone: 312 795 1245
Fax: 312 795 6123
Sketch Date: 10/17/08, 11/25/08, 12/11/08,
Rev. Date: 12/2/08, 1/13/09, 01/27/09,
Rev. Date: 1/30/09, 2/03/09, 2/09/09,
Rev. Date: 2/17/09, 3/27/09, 3/30/09
Rev. Date:
Scale: 1"= 50'

Approvals

Construction Manager(CM): _____ Date: _____
Director of Development(DoD): _____ Date: _____
Region Coach(RC): _____ Date: _____
Region Architect(RAP): _____ Date: _____



For Non-Standard, please check all that apply. ZONE "XXXXX"

☐ Site Standards ☐ Footprint ☐ Exterior Image ☐ Signage ☐ Equipment Layout ☐ Interior Decor

Additional Notes:

☐ Standard Prototype

☒ Non-Standard ☐ Delco

See attached equipment plan and exterior elevations.

SITE SKETCH-SP6 (OPTION -3)

Yum! Brands

Project Information

Site#: 30-6673
Entity#: 37-2929
Address: SEC N. Spring Street & Main Street
City/State: CITY OF BEAVER DAM, WI
CM: GARY VOSS
REM: DAVID ROUSE
RC:
RAP:
Contact: MATT WILLIAMS

Building Design: AWDI-OPTION 3 (1,975 SF)
Required Parking: PER REVIEW
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Pole/Monument Sign: EITHER IS ALLOWED
Height of Sign Allowed: 50'-0"
Size of Sign Allowed: PER REVIEW

Consultant

Firm: PFDA, Inc.
Contact: JEFFREY BROWNELL
Phone: 312 795 1245
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Sketch Date: 10/17/08 11/25/08,
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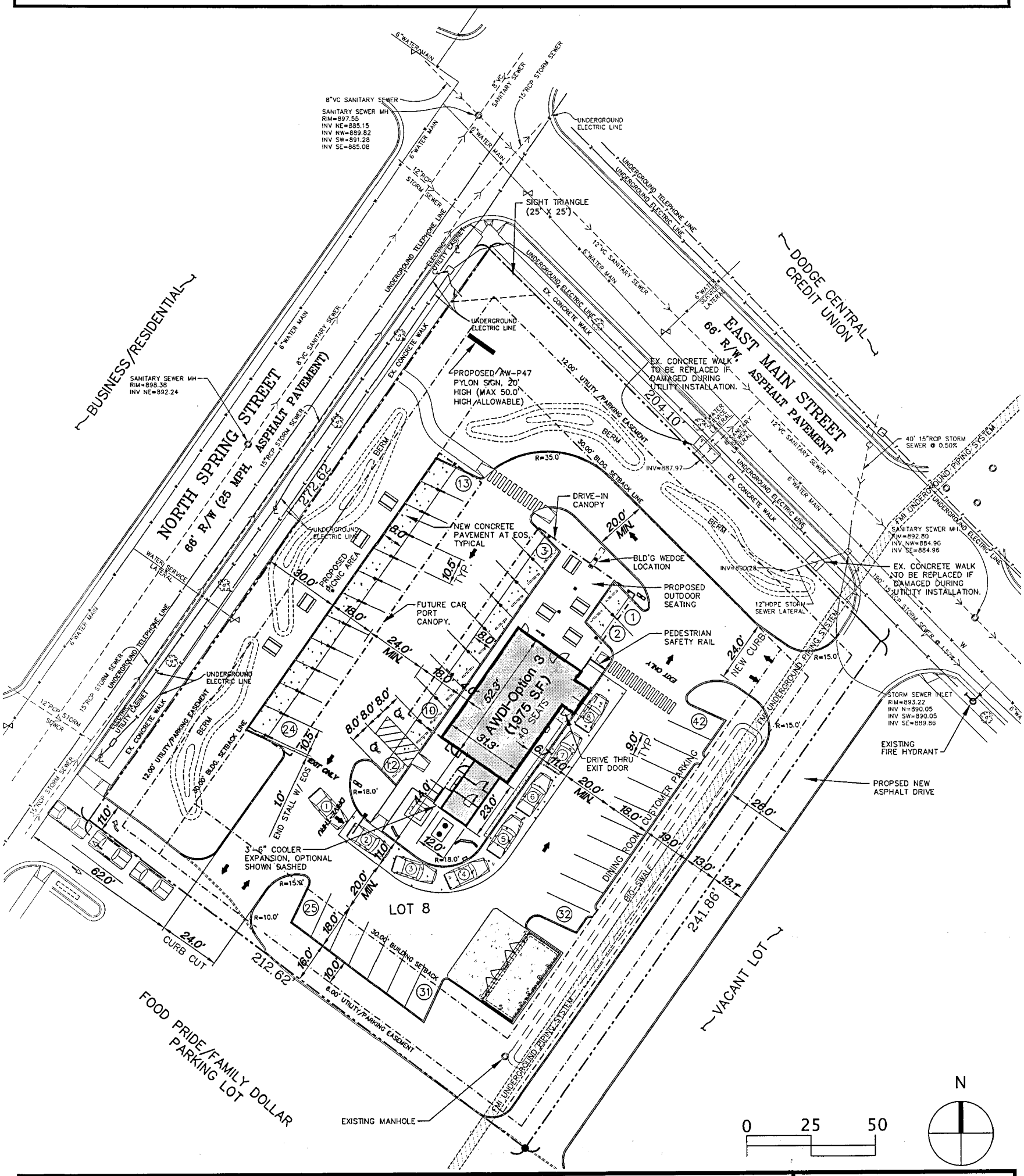
Rev. Date: 01/30/09 02/03/09,
Rev. Date: 02/09/09, 02/17/09
Scale: 1'= 50'

Approvals

Construction Manager(CM): _____ Date: _____
Director of Development(DoD): _____ Date: _____
Region Coach(RC): _____ Date: _____
Region Architect(RAP): _____ Date: _____



For Non-Standard, please check all that apply. ZONE "xxxxx"

☐ Site Standards ☐ Footprint ☐ Exterior Image ☐ Signage ☐ Equipment Layout ☐ Interior Decor

Additional Notes:

☐ Standard Prototype

☒ Non-Standard ☐ Delco

See attached equipment plan and exterior elevations.

Items Corresponding to Schedule B

(11) Public or private rights, if any, in such portion of the subject premises as may be presently used, laid out, platted or dedicated in any manner whatsoever, for street, highway and/or alley purposes. This item is not plotted hereon as it does not affect the subject property.

(13) A 16.00 foot wide Sanitary Sewer Easement contained in Affidavit of Easement recorded November 29, 1990 in Volume 704, Page 709 as Document Number 538419. This item is not plotted hereon as it does not affect the subject property.

(14A) A 6.00 foot wide Utility Easement as shown on the plat of Monarch Development recorded October 20, 1995 in Cabinet A of Plats, Page 257 as Document Number 816420. This item is plotted hereon and does affect the subject property.

(14B) A 12.00 foot wide Utility Easement as shown on the plat of Monarch Development recorded October 20, 1995 in Cabinet A of Plats, Page 257 as Document Number 816420. This item is plotted hereon and does affect the subject property.

(15) Covenants and Restrictions contained in Reciprocal Easement Agreement recorded October 27, 1995 in Volume 861, Page 427 as Document Number 816799. This item is not plotted hereon as it is blanket in nature and does affect the entire subject property.

(16A) A 30.00 foot Building Setback Line contained in Declaration of Covenants and Restrictions for the Monarch Development recorded October 27, 1995 in Volume 861, Page 437 as Document Number 816800. This item is plotted hereon and does affect the subject property.

(16B) Covenants, Terms, Provisions and Conditions contained in Declaration of Covenants and Restrictions for the Monarch Development recorded October 27, 1995 in Volume 861, Page 437 as Document Number 816800. This item is not plotted hereon as it is blanket in nature and does affect the entire subject property.

(18) Covenants, Terms, Provisions and Conditions contained in Resolution Number 05-15 recorded July 12, 2005 as Document Number 1049828. This item is not plotted hereon as it is blanket in nature and does affect the entire subject property.

Miscellaneous Notes

GENERAL NOTES:

1. All measured and recorded dimensions are the same unless noted otherwise.
2. There is no visible evidence of cemeteries or burial grounds on the subject property.
3. No monuments shown have identification numbers.
4. There was no observable evidence of earth moving work, building construction or building additions within recent months.
5. There were no changes in street right of way lines either completed or proposed, and available from the controlling jurisdiction.
6. There was no observable evidence of recent street or sidewalk construction or repairs.
7. There was no observable evidence of site use as a solid waste dump, sump or sanitary landfill.
8. The utility locations shown hereon were determined by utility markings provided by the respective utility companies and underground plans obtained from the local municipality.
9. All elevations are based on USGS datum.
10. On the date of this survey, the subject property was covered with snow and ice ranging in depth from 18 to 36 inches. Street plowing operations have resulted in frozen solid plowed snow piles, along the street curb and gutter, averaging four feet in depth. The commercial property to the Southeast has plowed their large parking area toward the subject property, resulting in a vast area of plowed snow along the Southwest area of the subject property, with an average depth of ten feet. Only the improvements accessible above the snow cover on the subject property are shown hereon.

BASIS OF BEARINGS:

All bearings are referenced to the Northwest line of Lot 8, Monarch Development, City of Beaver Dam, Dodge County, Wisconsin recorded October 20, 1995 in Cabinet A of Plats, Page 257 as Document Number 816420, having a recorded bearing of N35 degrees 12'44"E.

LOT AREA:

54,681 square feet
1.2553 acres

FLOOD NOTE: By graphic plotting only, this property is in Zone C of the Flood Insurance Rate Map,Community Panel No. 550095 0001 D, which bears an effective date of 4-3-1984 and is not in a Special Flood Hazard Area. By telephone call dated 1-23-2009 to the National Flood Insurance Program (800-638-6620) we have learned this community does currently participate in the program. No field surveying was performed to determine this zone and an elevation certificate may be needed to verify this determination or apply for a variance from the Federal Emergency Management Agency.

Statement of Encroachments

On the date of this survey, the subject property was covered with snow and ice ranging in depth from 18 to 36 inches. Street plowing operations have resulted in frozen solid plowed snow piles, along the street curb and gutter, averaging four feet in depth. The commercial property to the Southeast has plowed their large parking area toward the subject property, resulting in a vast area of plowed snow along the Southwest area of the subject property, with an average depth of ten feet. Only the improvements accessible above the snow cover on the subject property are shown hereon.

On the date of this survey, no visible encroachments were observed.

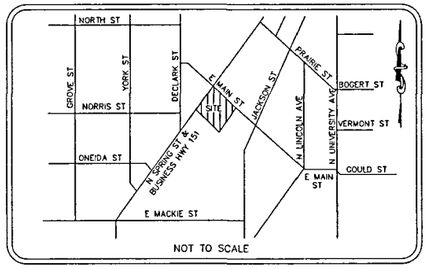
BENCHMARK NOTES:

Project Benchmark No. 1: Top Nut of Fire Hydrant 23.8 feet South and 35.8 feet East of the Easterly most property corner
Top Nut Elevation = 895.61

Project Benchmark No. 2: Top Nut of Fire Hydrant 95.6 feet North and 3.2 feet West of the Northerly most property corner
Top Nut Elevation = 900.08

Zoning Information

STATUS	CURRENT ZONING: COMMERCIAL ZONING DISTRICT		STATUS	
ITEM	REQUIRED	OBSERVED	SOURCE INFORMATION	CITY OF BEAVER DAM, WI INSPECTION SERVICES DEPT.
PERMITTED USE	RESTAURANTS/TAVERNS	VACANT LAND	ADDRESS	205 S. LINCOLN AVE. BEAVER DAM, WI 53916
MINIMUM LOT AREA	NOT APPLICABLE	54,681 SQ FT	PERSON CONTACTED	www.cityofbeaverdam.com
MINIMUM FRONTAGE	NOT APPLICABLE	272.62 FT	DATE CONDUCTED	1-28-2009
MINIMUM LOT WIDTH	NOT APPLICABLE	241.86 FT	PHONE/FAX NUMBER	1-920-887-4600
MAX. BUILDING COVERAGE	NOT APPLICABLE	NOT APPLICABLE	EMAIL ADDRESS	NOT APPLICABLE
MINIMUM SETBACKS FRONT	30.00 FT	NOT APPLICABLE	NOTES:	
MINIMUM SETBACKS SIDE	8.00 FT	NOT APPLICABLE		
MINIMUM SETBACKS REAR	15.00 FT	NOT APPLICABLE		
MAX. BUILDING HEIGHT	3 STORIES / 45.00 FT	NOT APPLICABLE		
PARKING REGULAR	NOT APPLICABLE	0		
PARKING HANDICAP	NOT APPLICABLE	0		
PARKING TOTAL	NOT APPLICABLE	0		



Vicinity Map

Legend of Symbols & Abbreviations

Power Pole
Power Pole w/Light
Light Pole
Telephone Pole
Guy Wire
Street Light
Ground Light
Electric Manhole
Telephone Manhole
Telephone Pedestal
Electric Meter
Cable Box
Air Conditioner Unit
Railroad Signals
Flag Pole
Sign (As Noted)
Well Head
Satellite Dish
Tower
Water Valve
Fire Hydrant
Siamese Fire Hydrant
Water Manhole
Water Meter Pit
Water Meter
Sprinkler Head
Indicates Handicapped Parking
Storm Manhole
Storm Inlet (Square)
Storm Inlet (Round)
Curb Storm Inlet
Storm Pipe
Sanitary Sewer
Sanitary Clean Out
Gas Valve
Gas Manhole
Gas Meter
Gas Marker
Indicates Mutual Ownership
Tree (As Noted)

N.	North	X.X'	DENOTES DISTANCE FROM BUILDING CORNER TO PROPERTY LINE
S.	South	X.X'	DENOTES DISTANCE FROM BUILDING CORNER TO BUILDING SIDEWALL
E.	East		
W.	West		
°	Degrees	(XX.XX)	DENOTES RECORDED AS DATA
'	Feet or Minutes		
"	Inches or Seconds		
Sq.	Square		
Ft.	Feet		
Vol.	Volume		
Pg.	Page		
O.R.	Official Record		
Calc.	Calculated		
Rec.	Record		
R/W	Right of Way		
C/L	Centerline		

A&W
ALL AMERICAN FOOD

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Record Legal Description

RECORD LEGAL DESCRIPTION:

Lot 8 of Monarch Development, in the City of Beaver Dam, Dodge County, Wisconsin.

Parcel Identification No.: 206-1214-3342-107

Surveyor's Measured Legal Description

SURVEYOR'S MEASURED LEGAL DESCRIPTION:

Lot 8, Monarch Development, City of Beaver Dam, Dodge County, Wisconsin being more particularly described as follows:

Beginning at the Westerly most corner of said Lot 8; thence N35 degrees 12'44"E, 272.62 feet; thence S44 degrees 42'12"E, 204.10 feet; thence S43 degrees 52'27"E, 11.77 feet; thence S35 degrees 12'44"W, 241.86 feet; thence N52 degrees 50'42"W, 212.62 feet to the point of beginning.

Contained within said bounds 54,681 square feet or 1.2553 acres.

This description describes all the land described in the title commitment identified as Chicago Title Insurance Company Commitment Number LTC-30171 having an effective date of January 7, 2009.

ALTA/ACSM Land Title Survey

A&W Restaurant
A&W Site No. 30-6673, Entity No. 37-2929
B&C Project No. 200900049.001
A&W Restaurant
Southeast Corner of E. Main & N. Spring Streets, Beaver Dam, WI

Surveyor's Certification

To: A&W Restaurants Inc., A Michigan Corporation and its affiliates; Chicago Title Insurance Company; and Bock & Clark Corporation;

This is to certify that this map or plat and the survey on which it is based were made in accordance with the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted by ALTA and NSPS in 2005, and includes Items 1, 2, 3, 4, 5, 6, 7a, 7b(1), 7c, 8, 9, 10, 11b, 13, 16, 17, 18 and Yum Brands' Appendix A, B, C & D of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA and NSPS and in effect on the date of this certification, undersigned further certifies that in my professional opinion, as a land surveyor registered in the State of Wisconsin, the Relative Positional Accuracy of this survey does not exceed that which is specified therein.

Roland F. Sarko
Roland F. Sarko
Wisconsin Registered Land Surveyor
Registration Number S-1377
Date of Survey: 1-22-2009
Date of Last Revision: 2-11-2009
Network Project No. 200900049-1

WISCONSIN ROLAND F. SARKO MT. HOREB, WI S-1377 REGISTERED LAND SURVEYOR

Survey Performed By:
Sarko Engineering Inc.
847 Highway JG
Mount Horeb, WI 53572
Phone: 608-832-6297
Fax: 608-832-6349
Email: rsarko@mhtc.net

Sheet 1 of 3

Bock & Clark's National Surveyors Network
National Coordinators of ALTA/ACSM Land Title Surveys
537 North Cleveland-Massillon Road Akron, Ohio 44333
Phone: (800) Surveys, Fax: (330) 666-3608 www.1800surveys.com

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MATCH LINE SHEET 2
MATCH LINE SHEET 3

MATCH LINE SHEET 2
MATCH LINE SHEET 3

PROJECT BENCH MARK NO. 1
TOP NUT FIRE HYDRANT
ELEV=895.61

POINT OF BEGINNING
SURVEYOR'S MEASURED
LEGAL DESCRIPTION
WESTERLY MOST CORNER
LOT 8, MONARCH
DEVELOPMENT

LOT 8 MONARCH DEVELOPMENT

VACANT LAND
NO BUILDINGS
HEAVY SNOW COVER

LOT 2, MONARCH DEVELOPMENT
TAX PARCEL NO. 206-1214-3343-000
OWNER'S NAME: CASTLE MONARCH LLC

LOT 7, MONARCH DEVELOPMENT
TAX PARCEL NO. 206-1214-3342-105
OWNER'S NAME: DODGE COUNTY, WI

SOUTHEAST RIGHT
OF WAY LINE
NORTH SPRING STREET

50.00' ZONING SETBACK LINE

N35°12'44"E

S35°12'44"W 241.86'

N43°50'42"W 212.62'

SET "X" IN
CONCRETE

SET 3/4"REBAR

SET "X" IN
CONCRETE

S43°52'27"E
11.77'

STORM SEWER INLET
RIM=893.22
INV N=890.05
INV SW=890.05
INV SE=889.86
894.77

INV=890.28
894.74
12"HDPE STORM
SEWER LATERAL

SANITARY SEWER MH
RIM=892.78
INV NW=884.96
INV SE=884.96

STORM SEWER INLET
RIM=895.35
FULL OF SNOW & ICE
INVERT INACCESSIBLE

STORM SEWER INLET
RIM=898.02
FULL OF SNOW & ICE
INVERT INACCESSIBLE

SNOW
PILE

EDGE OF
PLOWED SNOW

EDGE OF ASPHALT

ASPHALT

CONCRETE CURB
& GUTTER

CONCRETE

6"WATER
SERVICE LATERAL

6"WATER MAIN

12"HDPE STORM SEWER

15"RCP STORM SEWER

DRIVE ENTRANCE

UNDERGROUND
ELECTRIC LINE

UNDERGROUND TELEPHONE LINE

WATER STOP VALVE

PLOWED
SNOW
COVER

FOOD PRIDE SIGN
HEIGHT=26.3 FT

NO CLEARANCE

STORY CONCRETE BLOCK &
STUCCO COMMERCIAL BUILDING
FINISHED FLOOR ELEVATION=
896.15

SCALE : 1" = 20'
0' 10' 20' 40'

ALL AMERICAN FOOD

ALTA/ACSM LAND TITLE SURVEY
PREPARED FOR:
A & W RESTAURANT PROJECT
DATE: 1-22-2009
Project No. 200900049-001
Sheet 3 of 3

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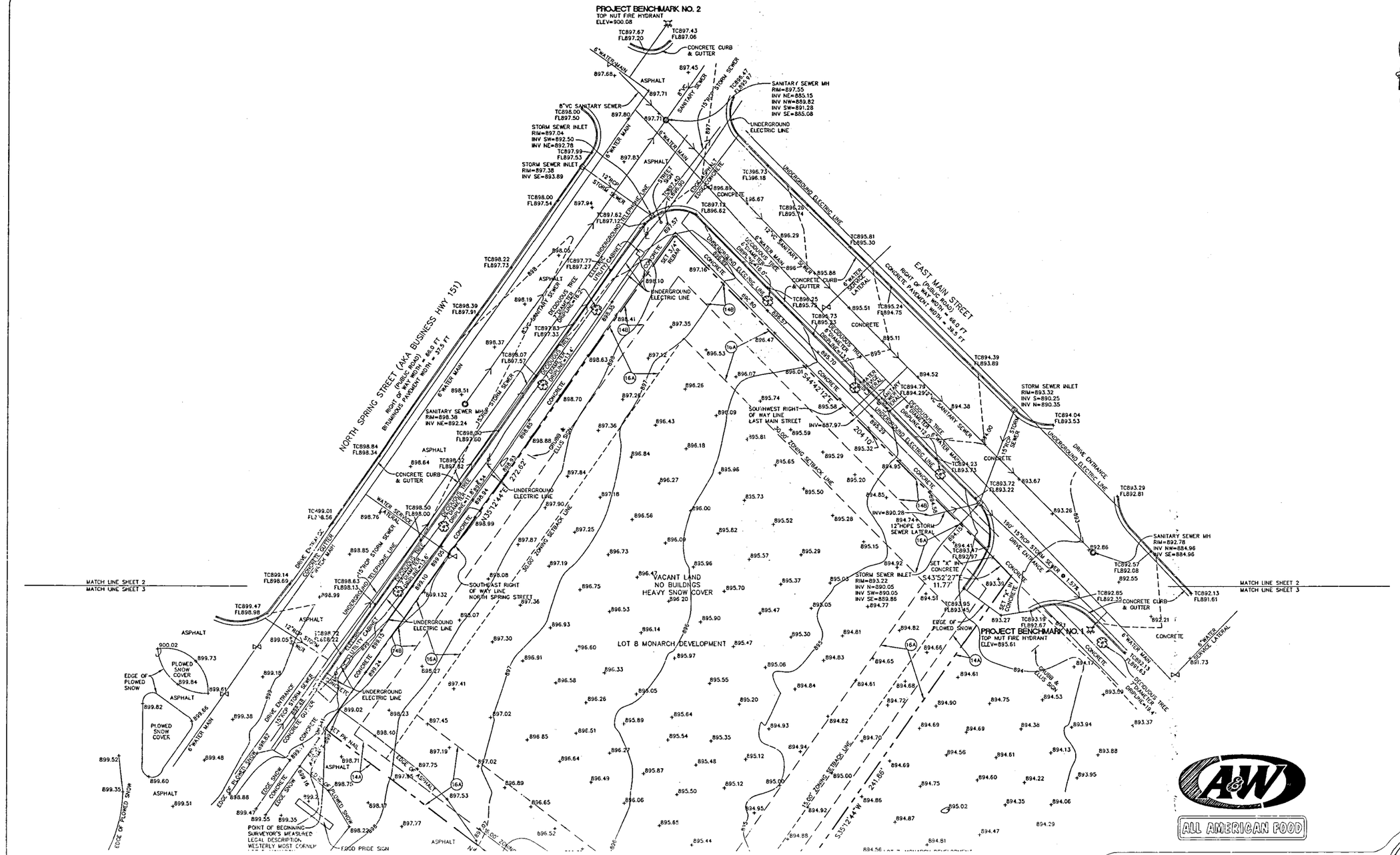

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ALTA/ACSM LAND TITLE SURVEY

PREPARED FOR:

A & W RESTAURANT PROJECT

DATE: 1-22-2009
Project No. 200900049-001

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File Copy

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Lloyd L. Eagan, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY Access via relay - 711

July 14, 2009

John Corey
Dodge County Corporation Counsel
127 East Oak Grove Street
Juneau, WI 53039

Subject: Soil Management Plan Review
Monarch Development Lot 8 (Former Malleable Iron Range Property), 715 N. Spring Street, Beaver Dam, WI
WDNR BRRTS # 02-14-553768

Dear Mr. Corey:

On June 23, 2009, the Wisconsin Department of Natural Resources (Department), South Central Region, received the document entitled *Soil Management Plan* (SMP) for the subject site, prepared by your consultant, Shaw Environmental, Inc. (Shaw). The Department received the fee for providing assistance, in accordance with ch. NR 749, Wis. Adm. Code.

The Department has reviewed the SMP and has concerns with some of the technical and conceptual ideas presented in the SMP. If you wish to pursue the approach outlined in the SMP, the Department would need additional information and clarification from Shaw in order to further evaluate your proposal.

However, it is the Department's understanding that you now plan to pursue a different approach for managing the soil at the site. Therefore, please submit a revised SMP to the Department for our review. The Department will review the revised plan under the same fee.

The Department appreciates the opportunity to review your SMP and looks forward to continuing to work with you and your consultant on this project.

If you have any questions about this letter, please contact Denise Nettesheim at (608) 275-3209 or me at (608) 275-3303.

Sincerely,

Michael Schmoller
Acting Team Supervisor – South Central Region
Remediation and Redevelopment Program

cc: Victoria Loveland, Shaw Environmental, 831 Critter Court, Suite 400, Onalaska, WI 54650
Denise Nettesheim, WDNR
Case File

02-14-553768

RECEIVED
JUN 23 2009
DNR
SOUTH CENTRAL REGION

SOIL MANAGEMENT PLAN

Former MIR Site
Beaver Dam, Wisconsin

Shaw Project No. 135553

June 2009

Prepared for:

Dodge County
John Corey
Dodge County Corporate Counsel
127 East Oak Grove Street
Juneau, WI 53039

Prepared by:

Shaw® Shaw Environmental, Inc.

Shaw Environmental, Inc.
831 Critter Court, Suite 400
Onalaska, Wisconsin 54650

Table of Contents

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Executive Summary

Dodge County retained Shaw Environmental, Inc. (Shaw) to evaluate various alternatives for placement of soil that may be removed from Lot 8 of the Former Malleable Iron Range (MIR) site located at the southeast corner of the intersection of East Main Street and North Spring Street in Beaver Dam, Dodge County, Wisconsin. The MIR site originally encompassed approximately 14 acres, but has since been subdivided into lots, several of which have been sold and redeveloped as operating businesses. As part of that evaluation, Shaw considered placement of excavated material from one portion of Lot 8 to another portion; placement of excavated material from Lot 8 to another adjacent, vacant lot; and disposal of the soil at a landfill.

NR 718.11(2)(b) allows for the "replacement of contaminated soil on the property from which it was excavated for disposal" if specified conditions have been met. These conditions include a thorough assessment of the soil characteristics, demonstration that generic or site specific residual contaminant levels (RCLs) have been achieved, and compliance with certain disposal site location requirements. The objective of this Soil Management Plan (SMP) is to document that the conditions under NR718.11(2)(b) have been met and to establish a potentially technically and economically feasible method of handling treated soils to facilitate redevelopment of Lot 8.

During the soil evaluation activities conducted on April 14, 2009, 23 soil borings (GP-1 through GP-23) were advanced at the site and soil samples were collected and analyzed for polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), arsenic, cadmium, chromium, and lead to determine residual contaminant levels, if present. A risk assessment was also performed in accordance with the provisions of NR720.19 to determine the actual risk posed by the soil under various closure and re-use options. Key findings from the evaluation activities are as follows:

- PAH compounds were reported at concentrations greater than the NR 720 generic direct contact standard for non-industrial sites in several samples, and include the following: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

- Arsenic was observed in every sample collected at the site at concentrations ranging from 1.8 to 5.6 parts per million, above its NR720 Residual Contaminant Level (RCL). However, the levels detected at the site are similar to background levels found in other areas of the state, and consistent with concentrations that were observed during the course of the site investigation and remediation that occurred at the site from 1992 to closure in 2008. Additionally, since arsenic levels are consistent across the site in all the borings, they are believed to be representative of naturally-occurring background levels.

- The other metals, chromium, cadmium, and lead, were not observed at levels exceeding their respective NR 720 RCL.

- None of the soil samples collected illustrate concentrations close to the suggested RCLs for groundwater pathway; therefore, there is little concern that the minor residual soil contamination will adversely impact the quality of the groundwater present at, and down gradient of, the site. Additionally, years of groundwater monitoring at the site indicated decreasing contaminant trends, thus, warranting conditional closure which was granted by the Wisconsin Department of Natural Resources (WNDR) in 2008.

- Lead was not detected at concentrations above the NR720 RCL in any sample collected from the Lot 8 site.

- No flood plains, wetlands, critical habitat areas, or water supply wells are located within the specified setback distances found within NR718.

- The depth to groundwater is at least 1 meter below the existing ground surface throughout the site.

- If a portion (900 cubic yards) of the soil is removed from the site and transported to a landfill for disposal, the risk analysis determined that the remaining soil would not pose a risk to human health based on carcinogenic or non-carcinogenic compounds when considering both individual and cumulative compound effects and assuming closure as a single mass if used as geotechnical or non-geotechnical fill.

Based on these findings, the current soil characteristics are believed to meet the requirements for on-site replacement of soil excavated for disposal as outlined under NR718.11(2)(b), and would therefore be exempt from the solid waste program requirements under Ch. 289, Stats., and Chs. NR500 to 538. If on-site disposal is not determined to be feasible at the site due to other circumstances (i.e., purchaser requirements or Dodge County restrictions), the soil may be transported to a landfill and disposed of as solid waste.

1.0 Introduction

Dodge County retained Shaw to conduct an assessment of potential soil management options associated with soil located on Lot 8 of the MIR site in Beaver Dam, Wisconsin. Based on a geotechnical study performed at the site by another firm, the existing soil apparently does not meet the criteria necessary for proper redevelopment of Lot 8 with respect to structural integrity of the proposed building and parking areas. The geotechnical study recommended soil removal (top two feet) and replacement with engineered fill.

As described in previously submitted reports and correspondence, and reviewed in subsequent sections of this report, substantial remedial actions have been undertaken at the subject site over the past 15 years to restore the environment following releases of petroleum products, VOCs, chlorinated compounds, and PAHs. Remedial actions taken at the site have achieved the requirements for case closure and the site was closed with land use restrictions by the WDNR in April 2008.

The purpose of this SMP is to present the results of the soil evaluation and site specific soil standard assessment, and to provide an alternative for landfilling the excavated material to promote redevelopment of the property.

2.0 Site Description and History

2.1 Site Location

Lot 8 of the Former MIR site is located on the southeastern corner of the intersection of East Main Street and North Spring Street in Beaver Dam, Wisconsin. The site is located in Dodge County in the SW ¼, SE ¼, Section 33, T12N, R14E. Figure 1 illustrates the site location.

2.2 Background

The MIR Company was founded in 1896 and operated until the mid-1980s. Products that were manufactured by MIR included ranges, grills, heaters, fireplace inserts, and bomb shells. Manufacturing processes at the site included foundry operations, painting, paint stripping, electroplating, acid treatment, porcelain enameling, and assembly.

In March 1985, the owners of MIR Company filed for bankruptcy. A large portion of MIR Company assets were sold to Monarch Appliance and Fabricating Company (MAFCO) in July 1985. In 1986, MAFCO was cited for several hazardous waste activity violations, including failure to establish hazardous waste generator status and failure to meet general requirements for operators of a storage facility. MAFCO then vacated the property. In January of 1987, the debtor-in-possession filed for abandonment of the buildings. A large quantity of potentially hazardous wastes (allegedly generated by the MIR Company) was left on-site after MAFCO's departure.

In 1990, the on-site buildings were destroyed by fire and for years the property was a relatively flat vacant lot, with most of its land surface covered by concrete slabs. The surface topography slopes gradually from the northeast to the southwest. The surrounding land use is both residential and commercial. There is a shoe manufacturing company located to the north and various commercial businesses south of the property.

A portion of the MIR property, including Lot 8, is currently owned by Dodge County. Numerous lots have been sold and the site has undergone much redevelopment in the past 10 years. The property now contains a strip mall, grocery store, credit union, and Napa Auto Parts Store.

2.3 Summary of Investigation/Remediation Activities

Soil and/or groundwater petroleum, VOC, PAH, polychlorinated biphenyl, and metal contamination was observed across the site. Free petroleum product was observed at the site at several locations, but was successfully removed via pumping from groundwater extraction wells. Approximately 10,500 tons of contaminated soil from several former underground storage tank locations was removed from the site during remedial activities. Residual soil and groundwater contamination was treated via a soil vapor extraction, air sparging, and groundwater extraction remedial system. Postremedial groundwater

sampling was conducted and results illustrated stable to decreasing trends across the site. Shaw requested site closure by the WDNR and conditional closure was granted in April 2008.

Geology observed at the MIR property exhibits a general progression from a two- to ten-foot thick silt layer to successively coarser sandy silts, silty sands, cobbles, and sandy gravels until bedrock is encountered. Nearly all of the units appear to be laterally continuous throughout the property, although the cobbles are believed to be confined along the north-south plane to the center of the property. The depth and elevation at which the dolomite bedrock was encountered varies considerably. In general, bedrock lies at a depth of 16 feet below ground surface (bgs) along the western portion of the property and descends in an easterly direction. Along a south-north plane, the bedrock surface demonstrates an irregular trend from a depth of 10 feet bgs to 22 feet bgs. The water table was encountered at approximately 9 to 22 feet bgs.

Additional information regarding site investigation and remedial action taken at the site can be found in the Kiel Environmental Engineering, Inc. Site Investigation Report (November 1991) and Shaw's Closure Assessment Report dated April 9, 2007.

3.0 Lot 8 Redevelopment Soil Sampling

On April 14, 2009, On-Site Environmental, Inc., under the direction of Shaw, advanced 23 Geoprobe® direct push soil borings (GP-1 through GP-23) to characterize the soil at Lot 8 and to determine if residual contaminant levels existed for the purpose of redeveloping the lot. Soil borings GP-1 through GP-4 were advanced to 7 feet bgs and the remaining nineteen borings (GP-5 through GP-23) were advanced to 1.5 feet bgs. Figure 2 illustrates the boring locations.

In general, soil encountered during the investigation consisted primarily of five feet of silty clay overlying sandy silt to a maximum depth of seven feet bgs. Laboratory analytical results indicated that arsenic, cadmium, chromium, lead, several PAHs, methylene chloride, toluene, and trichlorofluoromethane were detected in the soil at the site. Arsenic was the only metal that exceeded the NR 720.11 RCL for direct contact. The following PAH compounds exceeded their respective suggested non-industrial RCLs for direct contact: benzo(a)anthracene; benzo(a)pyrene; benzo(b)fluoranthene; dibenzo(a,h)anthracene; and indeno(1,2,3-cd)pyrene. Table 1 summarizes the laboratory analytical results.

3.1 Location Criteria Evaluation

Per *NR 718.11(2)(b)3,* treated soil may only be replaced on the property from which it was excavated if certain location criteria are met. *NR 718.11(2)(b)3.* defines the critical features and minimal distances. To evaluate the feasibility of using Lot 8 or additional lots on the Former MIR site for soil placement, accessible public records were reviewed to evaluate the site locations relative to the features included in *NR 718.11(2)(b)3.* Per the site location criteria, no placement can occur in the following settings:

- Within floodplains;
- Within 100 feet of any wetlands or critical habitat area;
- Within 300 feet of navigable rivers, streams, lakes, ponds, or flowages; and
- Within 300 feet of water supply wells.

NR 718.11(2)(b)3. Criteria	Comments
Within a floodplain	The Former MIR site is not located within a floodplain. Figure 3 presents the FEMA Flood Map.
Within 100 feet of any wetlands or critical habitat area	There are no wetland areas or critical habitat within 100 feet of the Former MIR site.
Within 300 feet of navigable rivers, streams, lakes, ponds, or flowages	The Beaver Dam River is located over 1,500 feet south of the Former MIR site and Beaver Dam Lake is located over 3,600 feet west of the site.
Within 300 feet of water supply wells	The well search conducted by the Wisconsin Geological & Natural History Survey did not report any water supply wells with 300 feet of the site. Well logs are available upon request.

3.2 Depth to High Groundwater Level Evaluation

Per *NR 718.11(2)(b)5*, contaminated soil shall be placed at least one meter (3.25 feet) above the high groundwater level. The measured depth to water in monitoring wells historically present at the site ranged from 9 to 22 feet bgs. Geologic cross-sections and historical groundwater elevation data have been previously reported in Shaw documents.

4.0 Risk Assessment

As noted in *Section 3.0*, the levels of some constituents of potential concerns (COPCs) at the site exceed the generic exposure pathway levels contained within NR 720 and the suggested PAH standards for direct contact. Therefore, the actual risks posed by the soil under various closure scenarios have been evaluated in accordance with the procedures outlined in NR 720.19 [WDNR, 2007]. The following sections describe the risk assessment approach and results for direct contact.

4.1 Direct Contact Exposure Pathways

The concentrations of PAHs, lead, and arsenic in the soil were evaluated to determine the individual and cumulative risks for both carcinogenic and non-carcinogenic compounds in accordance with procedures outlined in NR 720.19 [WDNR, 2007]. The site data set (April 2009 data) was used to estimate direct contact risk using site-specific residual contaminant levels (SSRCLs). As required by NR 720.19, the goal for individual compounds is to have each carcinogenic compound represent a cancer risk less than 1E-6, and each non-carcinogenic compound represent a hazard quotient of less than 1.0. An equally important requirement of NR 720.19 is that the cumulative cancer risk must not exceed 1E-5 and the hazard index (sum of the individual hazard quotients) must not exceed 1.0. This approach follows NR 720.19(5) and WDNR guidance (WDNR, 1997, 2001a, 2001b, 2001c, 2004).

SSRCLs for individual arsenic and PAH compounds were calculated using United States Environmental Protection Agency (USEPA's) Soil Screening Level (SSL) web-based tool [USEPA, 2007] using WDNR recommended default exposure values, a target cancer risk of 1E-6 for carcinogens, and a target hazard quotient of 1.0 for non-carcinogens. Output results from the USEPA SSLs web calculator are included in Appendix A. For PAH compounds that are not available in the USEPA SSL web-based tool, the Relative Potency Factors (RPF) listed in the WDNR PAH guidance (WDNR, 1997) were used to calculate the SSRCL. The SSRCL for lead (250 mg/kg) is based on the Wisconsin Department of Health and Family Services and WDNR value, which is based on a target hazard quotient (THQ) of 1.0 (WDNR, 2001). For arsenic, the target carcinogenic RCL is set at background level of 4 mg/kg.

4.2 Evaluation of Risk

Table 2 presents the estimated cancer risks and hazards index for the site using both the maximum detected concentration (MDC) and the 95% upper confidence limit (UCL) as the exposure point concentration (EPC) for each constituent based on the samples collected from the site on April 19, 2009. The 95% UCLs were calculated with the USEPA ProUCL 4.0, *A Statistical Software*, using the data from the site. The input data and output results from ProUCL 4.0 are included in Appendix A. The estimated cancer risks and hazards quotients for each compound were determined by calculating ratios of the EPCs (using the MDC and 95% UCL) divided by the SSRCLs. For example, a ratio of 1.0 is equivalent to a risk of 1E-6 or a hazard of 1.0.

4.2.1 Risk From Individual Compounds

As shown on Table 2, the estimated cancer risk for the MDC and 95% UCL of benzo(a)pyrene (0.248 mg/kg and 0.094 mg/kg, respectively) exceed the target cancer risk for individual compounds. Cancer risks and hazards index (assuming residential exposure) for the remaining compounds are less than the target cancer risk and the target hazard quotient using the MDC and the 95% UCL for individual compounds.

4.2.2 Cumulative Risk

The cumulative cancer risk and hazard index are less than the cumulative cancer risk and the hazard index of 1E-5 and 1.0 for both the MDC and 95% UCL. The estimated cumulative cancer risks for the MDC and 95% UCL are 5.9E-6 and 2.5E-6, respectively, for carcinogens. The estimated hazard index for non-carcinogens for the MDC and 95% UCL are 0.31 and 0.19, respectively.

While the cumulative cancer risk for the site using the MDC and 95% UCL as EPCs satisfy the risk screening criteria in NR 720.19(5)(a)2 (cumulative risk), benzo(a)pyrene exceeds the risk screening criteria in NR 720.19(5)(a) 1 for individual compounds, and therefore, a limited remedial action will be required to reduce the direct-contact risk for benzo(a)pyrene prior to reuse of the soil.

Since the soil does not meet the risk screening criteria in NR 720.19(5)(a)1 (for individual compounds) a remedial alternative will need to be implemented in order to reuse the soil as near surface fill on- or off-site. Shaw has evaluated several scenarios that, if implemented, will allow the soil to satisfy the NR 720 risk screening criteria. The most cost effective remedial scenario includes remediating the most highly impacted soil that is proposed for excavation as part of the redevelopment of the property. Under this scenario, soil at or near soil boring GP-1, (representing the highest concentrations of benzo(a)pyrene) would be excavated and disposed of off-site at a licensed landfill.

The concentrations of COPCs for the remainder of the soil, (after excavation of the soil at and near soil boring GP-1), are below the risk and hazard criteria in accordance with NR720.19. The risk and hazards under this scenario are summarized on Table 3. The input data and output results from ProUCL 4.0 are included in Appendix A. As shown on Table 3, the cumulative and individual cancer risk and hazard index meet the direct contact standards using the methods in NR720.19 for both individual compound and considering the cumulative effects. The estimated cumulative cancer risks using the 95% UCL for the EPC is 2.4E-6 for carcinogens. The estimated hazard index for non-carcinogens using the 95% UCL for the EPC is 0.21.

5.0 Conclusions and Recommendations

Shaw has evaluated potential alternatives of soil placement after excavation for redevelopment of Lot 8 at the Former MIR site in Beaver Dam, Wisconsin. Based on the soil evaluation results discussed in this report, the current soil characteristics at Lot 8 are believed to meet the requirements for on-site replacement of soil excavated for disposal as outlined under *NR718.11(2)(b)*. Therefore, this soil and the proposed on-site replacement would be exempt from the solid waste program requirements under *Ch. 289, Stats.*, and *Chs. NR500 to 538.*

If on-site replacement ultimately is not chosen as the preferred alternative, the soil may be transported to a landfill for disposal as solid waste.

6.0 References

Kiel Environmental Engineering, Inc., 1991, *Site Investigation Report – Monarch Property*, November.

Kiel Environmental Engineering, Inc., 1992, *Gasoline UST Investigation Report – Monarch Property*, June.

Shaw (formerly Fluid Management, Inc.), 1993, *Remedial Action Plan for Removal of Petroleum Related Contaminants – Malleable Iron Range Property*, September.

Shaw (formerly Fluid Management, Inc.), 1993, *Remedial Action Plan for Removal of Non-Petroleum Related Contaminants – Malleable Iron Range Property*, November.

Shaw, 2007, *Closure Assessment Report – Malleable Iron Range Site D*, April.

USEPA, 1994, *Technical Support Document for the Integrated Exposure Uptake Biokinetic Model for Lead in Children* (v0.99d) [NTIS #PB94-963505, EPA 9285.7-22], December.

USEPA, 2007, on-line *Soil Screening Guidance for Chemicals*, Waste and Cleanup Risk Assessment, http://rais.ornl.gov/epa/ssl1.shtml.

WDNR, 1997, *Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAH)*, Interim Guidance, Bureau for Remediation and Redevelopment, Publication RR-519-97, April.

WDNR, 2001a, *Application of Soil Performance Standards Guidance, Bureau for Remediation and Redevelopment*, PUB-RR-676, October 8.

WDNR, 2001b, NR 720 – *Soil Cleanup Standards*, Register, January, No. 541.

WDNR, 2001c, *Remediation and Redevelopment Guidance, Commonly Asked Questions About the Lead Soil Standards in Wisconsin*, Pub-RR-653, May 1.

WDNR, 2002, *Determining Residual Contaminant Levels Using the EPA Soil Screening Level Web Site*, PUB-RR-682, January 11.

WDNR, 2004, *Guidance on Soil Performance Standards*, PUB-RR-528, April.

Tables

Table 1
Soil Sample Laboratory Analytical Results (4/19/09)

Table 2
Soil Risk Baseline Site Conditions

Table 3
Soil Risk Estimated Post Remedial Conditions

Table 2
Soil Risk Baseline Site Conditions
MIR Site
Beaver Dam, Wisconsin

Constituent	MDC as EPC (mg/kg)	95% UCL as EPC (mg/kg)	Carcinogenic RCL, Risk = 1E-6 (mg/kg)	Non-Carcinogenic RCL, Hazard = 1.0 (mg/kg)	COPC available at EPA SSL website?	WDNR (1997) BaP RPF	USEPA (2007) BaP RPF	RCL Note	Carcinogen Ratio (MDC/RCL)	Carcinogen Ratio (95% UCL/RCL)	Non-Carcinogenic Ratio (MDC/RCL)	Non-Carcenogenic Ratio (95% (UCL/RCL)
Acenaphthene	0.0116	0.00513	NA	4690	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	NA	0.00000247	0.00000109
Acenaphthylene	0.078	0.0233	87.5	NA	No	0.001	NA	Carcinogenic RCL est'd w/DNR RPF	0.000891	0.000266	NA	NA
Anthracene	0.109	0.0359	NA	23500	Yes	0.01	0	Carcinogenic RCL not est'd w/DNR RPF	NA	NA	0.00000464	0.00000153
Benzo(a)anthracene	**0.236**	**0.0810**	**0.875**	**NA**	**No**	**0.1**	**0.1**	**Carcinogenic RCL est'd w/DNR RPF**	**0.2697**	**0.0926**	**NA**	**NA**
Benzo(a)pyrene	**0.248**	**0.0944**	**0.0875**	**NA**	**Yes**	**1**	**1**	**Carcinogenic RCL est'd w/DNR RPF**	**2.83**	**1.08 ‡**	**NA**	**NA**
Benzo(b)fluoranthene	**0.25**	**0.0979**	**0.875**	**NA**	**No**	**0.1**	**0.1**	**Carcinogenic RCL est'd w/DNR RPF**	**0.286**	**0.112**	**NA**	**NA**
Benzo(ghi)perylene	0.181	0.0706	8.75	NA	No	0.01	NA	Carcinogenic RCL est'd w/DNR RPF	0.02069	0.00807	NA	NA
Benzo(k)fluoranthene	0.232	0.0936	8.75	NA	No	0.01	0.01	Carcinogenic RCL est'd w/DNR RPF	0.0265	0.0107	NA	NA
Chrysene	0.254	0.102	87.5	NA	No	0.001	0.001	Carcinogenic RCL est'd w/DNR RPF	0.00290	0.00116	NA	NA
Dibenz(a,h)anthracene	**0.0734**	**0.0290**	**0.0875**	**NA**	**No**	**1**	**1**	**Carcinogenic RCL est'd w/DNR RPF**	**0.839**	**0.331**	**NA**	**NA**
Fluoranthene	0.559	0.190	NA	3130	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	NA	0.000179	0.0000606
Fluorene	0.0183	0.00693	NA	3130	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	NA	0.00000585	0.00000221
Indeno(1,2,3-cd)pyrene	**0.155**	**0.0660**	**0.875**	**NA**	**No**	**0.1**	**0.1**	**Carcinogenic RCL est'd w/DNR RPF**	**0.1771**	**0.0755**	**NA**	**NA**
Naphthalene	0.0171	0.00883	NA	330	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	NA	0.0000518	0.0000268
Phenanthrene	0.373	0.0979	87.5	NA	No	0.001	NA	Carcinogenic RCL est'd w/DNR RPF	0.00426	0.00112	NA	NA
Pyrene	0.432	0.144	NA	2350	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	NA	0.000184	0.0000613
1-Methylnaphthalene	0.020	0.00755	87.5	NA	No	0.001	NA	Carcinogenic RCL est'd w/DNR RPF	0.000229	0.0000863	NA	NA
2-Methylnaphthalene	0.0315	0.0105	NA	330	No	0.001	0	Naphthalene used as surrogate	NA	NA	0.0000955	0.0000318
Lead	17.0	15.8	NA	250	No	-	-	Non-carcinogenic RCL est'd w/WDNR Guidance PUB-RR-653	NA	NA	0.0680	0.0631
Arsenic	**5.6**	**3.1**	**4.0**	**23.5**	**Yes**	**-**	**-**	**Represents Background**	**1.40**	**0.772**	**0.238**	**0.131**
								Ratio Sum:	5.9	2.5	0.31	0.19
								Estimated Cummulative Cancer Risk:	**5.9E-06**	**2.5E-06**		
								Estimated Hazard Index:			**0.31**	**0.19**

Inputs: *Site-wide 95% UCLs or MDCs from multiple sample depths from the Site, EPA SSLs with WDNR defaults & Target Cancer Risk of 1E-6 and Target Hazard Quotient of 1.0.*
SSL Pathways include ingestion, inhalation of vapors, inhalation of particles, for residential exposure (lowest SSL selected).
For Arsenic, the Carcinogenic RCL for Arsenic of 4.0 mg/kg is used to represent background levels
For Lead, WDNR Guidance PUB-RR-653 'Commonly Asked Questions About the Lead (Pb) Soil Standards in Wisconsin'.
RCL in ratio denominator assumed equal to EPA SSL.

Red/Bold = Indicates compound is a potential risk driver

‡ = ratio for 95% UCL exceeds 1.0 and therefore exceeds acceptable risk for an individual compound in accordance with NR720 of the Wisconsin Administrative Code

95% upper confidence limit (UCL) calculated using USEPA ProUCL version 4.0.

BaP = benzo(a)pyrene

EPC = Site-wide exposure point concentration

MDC = maximum detected concentration.

RPF = relative potency factor

SSL = Soil Screening Level

USEPA (2007) = USEPA Region 3 RBC Table (Oct. 1, 2007).

Table 3
Soil Risk Estimated Post Remedial Conditions
MIR Site
Beaver Dam, Wisconsin

Constituent	95% UCL as EPC (mg/kg)	Carcinogenic RCL, Risk = 1E-6 (mg/kg)	Non-Carcinogenic RCL, Hazard = 1.0 (mg/kg)	COPC available at EPA SSL website?	WDNR (1997) BaP RPF	USEPA (2007) BaP RPF	RCL Note	Carcinogen Ratio (EPC/RCL)	Non-Carcinogen Ratio (EPC/RCL)
Acenaphthene	0.00478	NA	4690	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	0.0000010
Acenaphthylene	0.0200	87.5	NA	No	0.001	NA	Carcinogenic RCL est'd w/DNR RPF	0.00023	NA
Anthracene	0.0310	NA	23500	Yes	0.01	0	Carcinogenic RCL not est'd w/DNR RPF	NA	0.0000013
Benzo(a)anthracene	0.0690	0.875	NA	No	0.1	0.1	Carcinogenic RCL est'd w/DNR RPF	0.08	NA
Benzo(a)pyrene	0.0839	0.0875	NA	Yes	1	1	Carcinogenic RCL est'd w/DNR RPF	0.96	NA
Benzo(b)fluoranthene	0.0889	0.875	NA	No	0.1	0.1	Carcinogenic RCL est'd w/DNR RPF	0.10	NA
Benzo(ghi)perylene	0.0635	8.75	NA	No	0.01	NA	Carcinogenic RCL est'd w/DNR RPF	0.0073	NA
Benzo(k)fluoranthene	0.0862	8.75	NA	No	0.01	0.01	Carcinogenic RCL est'd w/DNR RPF	0.010	NA
Chrysene	0.0915	87.5	NA	No	0.001	0.001	Carcinogenic RCL est'd w/DNR RPF	0.0010	NA
Dibenz(a,h)anthracene	0.0274	0.0875	NA	No	1	1	Carcinogenic RCL est'd w/DNR RPF	0.31	NA
Fluoranthene	0.163	NA	3130	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	0.000052
Fluorene	0.00623	NA	3130	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	0.0000020
Indeno(1,2,3-cd)pyrene	0.0613	0.875	NA	No	0.1	0.1	Carcinogenic RCL est'd w/DNR RPF	0.070	NA
Naphthalene	0.00884	NA	330	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	0.000027
Phenanthrene	0.0720	87.5	NA	No	0.001	NA	Carcinogenic RCL est'd w/DNR RPF	0.0008	NA
Pyrene	0.124	NA	2350	Yes	0.001	0	Carcinogenic RCL not est'd w/DNR RPF	NA	0.000053
1-Methylnaphthalene	0.00702	87.5	NA	No	0.001	NA	Carcinogenic RCL est'd w/DNR RPF	0.000080	NA
2-Methylnaphthalene	0.0098	NA	330	No	0.001	0	Naphthalene used as surrogate	NA	0.000030
Lead	15.8	NA	250	No	-	-	Non-carcinogenic RCL est'd w/WDNR Guidance PUB-RR-653	NA	0.06
Arsenic	3.5	4	23.5	Yes	-	-	Represents Background	0.86	0.15

Ratio Sum:	2.4	0.210
Estimated Cummulative Cancer Risk:	**2.4E-06**	
Estimated Hazard Index:		**0.21**

Inputs: *Site-wide 95% UCLs from multiple sample depths from the Site, EPA SSLs with WDNR defaults & Target Cancer Risk of 1E-6 and Target Hazard Quotient of 1.0.*
SSL Pathways include ingestion, inhalation of vapors, inhalation of particles, for residential exposure (lowest SSL selected).
For Arsenic, the Carcinogenic RCL for Arsenic of 4.0 mg/kg is used to represent background levels
For Lead, WDNR Guidance PUB-RR-653 'Commonly Asked Questions About the Lead (Pb) Soil Standards in Wisconsin'.
RCL in ratio denominator assumed equal to EPA SSL.

95% upper confidence limit (UCL) calculated using USEPA ProUCL version 4.0.
BaP = benzo(a)pyrene
EPC = Site-wide exposure point concentration
MDC = maximum detected concentration.
RPF = relative potency factor
SSL = Soil Screening Level
USEPA (2007) = USEPA Region 3 RBC Table (Oct. 1, 2007).

Table 1
Soil Sample Analytical Results
MiR Site - Beaver Dam, WI
4/19/2009

Parameter	GP1 2' bgs	GP1 4' bgs	GP2 3' bgs	GP2 7' bgs	GP3 2' bgs	GP3 6' bgs	GP4 4' bgs	GP4 7' bgs	GP5 1.5' bgs	GP5 1.5' bgs	GP7 1.5' bgs	GP8 1.5' bgs	GP9 1.5' bgs	GP10 1.5' bgs	GP11 1.5' bgs	GP12 1.5' bgs	GP13 1.5' bgs	GP14 1.5' bgs	GP15 1.5' bgs	GP16 1.5' bgs	GP17 1.5' bgs	GP18 1.5' bgs	GP19 1.5' bgs	GP20 1.5' bgs	GP21 1.5' bgs	GP22 1.5' bgs	GP23 1.5' bgs	Units	NR 720 RCL	Suggested PAH RCLs for GW Pathway	Suggested PAH RCLs for Direct Contact	Site Specific Soil Standards
1,1,1,2-Tetrachloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,1,1-Trichloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,1,2,2-Tetrachloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,1,2-Trichloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,1-Dichloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,1-Dichloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,1-Dichloropropene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,2,3-Trichlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,2,3-Trichloropropane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,2,4-Trichlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,2,4-Trimethylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,2-Dibromo-3-chloropropane	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	< 165	< 82.3	< 82.3	< 82.3	< 82.3	< 82.3	ug/kg				
1,2-Dibromoethane (EDB)	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,2-Dichlorobenzene	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	< 88.8	< 44.4	< 44.4	< 44.4	< 44.4	< 44.4	ug/kg				
1,2-Dichloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg	4.9			
1,2-Dichloropropane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,3,5-Trimethylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,3-Dichlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,3-Dichloropropane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1,4-Dichlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
1-Methylnaphthalene	18.0	20.0	5.8	< 2.1	2.1	< 2.1	< 2.3	< 2.1	4.7	3.0	7.3	< 2.1	3.5	2.9	4.7	2.3	13.5	< 2	< 2.3	12.2	6.1	< 2.3	< 2.6	3.8	6.6	4.0	13.5	ug/kg		23,000	1,100,000	
2,2-Dichloropropane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
2-Chlorotoluene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
2-Methylnaphthalene	23.6	31.5	8.3	< 2.1	2.1	< 2.1	< 2.3	< 2.1	7.2	4.5	15.9	3.3	5.4	4.3	7.5	3.8	15.5	< 2	< 2.3	13.6	10.5	3.3	2.9	4.7	8.6	6.6	17.9	ug/kg		20,000	600,000	
4-Chlorotoluene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Acenaphthene	11.6	10.5	< 1.1	< 1	< 1	< 1.2	< 1	4.3	2.6	9.9	2.5	1.8	4.5	8.6	1.8	1.7	1.0	< 1.2	2.1	8.7	2.1	1.5	3.1	8.6	5.5	7.5	ug/kg		38,000	900,000	4,690,000	
Acenaphthylene	61.7	5.8	3.7	< 1.9	5.3	< 1.9	< 2.1	< 1.9	26.4	34.4	78.0	14.2	16.5	22.5	17.6	12.1	16.7	4.4	5.5	5.8	6.7	8.8	8.9	13.8	14.6	12.2	24.5	ug/kg		700	18,000		
Anthracene	109	22.0	10	< 5.1	6.5	< 5.2	< 5.7	< 5.1	27.9	39.8	85.1	25.8	22.1	37.4	37.7	17.7	25.0	7.3	10.0	12.3	17.3	16.4	14.5	23.0	63.1	34.2	47.2	ug/kg		3,000,000	5,000,000	23,500,000	
Arsenic	4.4	3.1	3.8	3.1	3.6	2.7	5.6	3.0	2.4	2.3	7.3	2.0	2.2	2.2	2.3	2.2	3.8	2.3	1.9	1.9	2.5	2.4	1.8	3.5	2.9	3.2	2.2	mg/kg	0.039			0.426	
Benzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg	5.5			
Benzo(a)anthracene	236	17.7	20.4	< 9.4	26.8	< 9.5	< 10.4	< 9.3	59.9	91.0	145	80.0	61.7	96.1	93.1	50.1	45.4	25.1	33.3	33.5	38.6	46.2	38.7	57.2	108	80.7	142	ug/kg		17,000	88		
Benzo(a)pyrene	248	18.3	19.2	< 4.1	20.3	< 4.1	< 4.5	< 4	74.5	122	212	109	80.2	114	100	57.0	53.2	27.5	38.4	38.6	43.0	52.1	46.2	58.7	105	83.5	182	ug/kg		48,000	8.8	87.5	
Benzo(b)fluoranthene	250	17.2	17.7	< 6.4	16.7	< 6.4	< 7.1	< 6.3	76.2	129	202	131	91.8	108	104	62.5	51.0	29.8	41.4	47.9	45.6	55.6	55.4	58.3	110	91.7	214	ug/kg		360,000	88		
Benzo(g,h,i)perylene	167	14.0	14.4	< 4.7	8.2	< 4.8	< 5.3	< 4.7	58.6	101	181	97.1	58.5	71.1	61.5	39.7	40.5	17.7	25.3	26.8	28.2	33.7	34.6	38.7	57.4	55.5	146	ug/kg		6,800,000	1,800		
Benzo(k)fluoranthene	183	19.0	19.5	< 7	21.5	< 7	< 7.8	< 6.9	80.0	98.1	164	124	84.1	115	102	57.9	55.4	28.9	41.4	40.8	48.3	56.4	52.3	64.1	107	88.5	232	ug/kg		870,000	880		
Bromobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Bromochloromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Bromodichloromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Bromoform	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.0	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	< 51.8	< 25.9	< 25.9	< 25.9	< 25.9	< 25.9	ug/kg				
Bromomethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Cadmium	0.19	0.32	0.093	0.095	0.26	0.038	0.044	0.087	0.14	0.16	0.22	0.15	0.19	0.19	0.18	0.17	0.18	0.084	0.11	0.12	0.21	0.17	0.078	0.21	0.20	0.31	0.18	mg/kg	8				
Carbon tetrachloride	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Chlorobenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Chloroethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Chloroform	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Chloromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Chromium	16.4	17.9	15.2	8.9	14.5	9.4	23.6	7.5	15.1	16.0	17.6	14.0	16.0	13.4	14.3	16.8	13.3	8.0	20.4	19.6	18.1	15.7	22.3	14.3	16.7	16.3	13.6	mg/kg	14 hex/13,000				
Chrysene	254	20.4	21.6	< 3.9	25.6	3.9	< 4.3	< 3.8	79.7	131	193	128	89.8	110	113	65.6	59.7	33.8	45.5	49.6	50.6	61.5	58.2	67.3	128	102	206	ug/kg		37,000	8,800		
cis-1,2-Dichloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
cis-1,3-Dichloropropene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Dibenz(a,h)anthracene	58.3	< 5.8	< 5.3	< 5.2	< 5.2	< 5.3	< 5.8	< 5.2	20.9	41.7	73.4	40.6	27.9	30.5	27.5	19.5	19.2	7.8	10.2	10.7	10.8	13.0	12.8	17.2	24.8	25.7	63.1	ug/kg		38,000	8.8		
Dibromochloromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Dibromomethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Dichlorodifluoromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Diisopropyl ether	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Ethylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg	2,900			
Fluoranthene	559	35.2	36.8	5.6	45.2	< 1.2	< 1.4	< 1.2	135	228	265	213	157	215	244	120	109	57.8	90.8	91.2	106	123	106	133	284	206	357	ug/kg		500,000	600,000	3,130,000	
Fluorene	17.5	8.2	1.7	< 1	< 1	< 1	< 1.1	< 1	5.4	4.9	10.9	4.4	3.2	5.1	10.3	2.5	2.6	1.4	1.8	3.3	7.0	3.2	2.3	4.2	19.3	6.4	7.6	ug/kg		100,000	600,000	3,130,000	
Hexachloro-1,3-butadiene	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	< 52.8	< 26.4	< 26.4	< 26.4	< 26.4	< 26.4	ug/kg				
Indeno(1,2,3-cd)pyrene	151	12.5	12.2	< 4.7	8.8	< 4.8	< 5.3	< 4.7	54.0	92.2	155	93.8	62.1	76.4	63.8	39.1	41.1	18.6	26.5	28.2	27.8	35.9	33.8	40.1	60.4	57.3	144	ug/kg		680,000	88		
Isopropylbenzene (Cumene)	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Lead	13.9	7.7	5.5	3.5	13.2	3.0	7.2	2.4	14.1	14.4	16.6	15.4	15.8	12.4	11.2	15.2	14.3	3.1	11.5	14.8	17.0	14.0	11.0	15.6	13.8	16.4	16.2	mg/kg	50				
m&p-Xylene	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 50	ug/kg	4,100			
o-Xylene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Methylene Chloride	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	67.3	< 25	< 25	< 25	< 25	< 25	ug/kg				
Methyl-tert-butyl ether	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Naphthalene	30.3	8.9	8.6	< 1.4	< 25	< 1.4	< 1.5	< 25	< 25	< 25	36.5	< 25	5.3	< 25	9.5	4.8	< 25	1.6	< 25	4.3	33.8	< 50	< 25	5.5	9.8	7.5	< 25	ug/kg		400	20,000	330,000	
Naphthalene (by method 8270)	< 25	< 25	< 25	< 25	1.8	< 25	< 25	< 1.4	7.3	7.3	< 25	5.0	< 25	5.6	< 25	< 25	12.3	< 25	2.7	< 25	< 25	3.8	4.6	< 25	< 25	< 25	17.1	ug/kg		400	20,000		
n-Butylbenzene	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	< 80.8	< 40.4	< 40.4	< 40.4	< 40.4	< 40.4	ug/kg				
n-Propylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Percent Moisture	9.3	19.4	12.6	11.1	10.1	11.7	20.1	10.5	17.5	18.3	22.8	12.1	21.5	12.1	19.7	19.3	15.7	8.0	20.7	20.3	22.7	19.8	28.1	16.9	34.1	19.7	17.1	%				
Phenanthrene	373	73.9	22.1	2.6	5.9	< 2.2	< 2.5	< 2.2	51.3	80.8	101	71.1	54.3	76.1	115	43.5	68.5	22.7	31.2	38.1	51.9	48.5	42.4	73.0	170	101	137	ug/kg		1,800	18,000		
p-Isopropyltoluene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Pyrene	472	28.7	28.6	4.3	34.3	< 1.1	< 1.3	< 1.1	106	172	206	163	118	166	179	91.8	88.2	43.8	68.5	68.1	78.5	91.3	78.3	101	197	150	275	ug/kg		8,700,000	500,000	2,350,000	
sec-Butylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Styrene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
tert-Butylbenzene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Tetrachloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Toluene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	124	1,090	< 25	< 25	< 25	< 25	< 25	ug/kg	1,500			
trans-1,2-Dichloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
trans-1,3-Dichloropropene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Trichloroethene	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				
Trichlorofluoromethane	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	42.2	153	< 25	< 25	< 25	< 25	< 25	ug/kg				
Vinyl chloride	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	ug/kg				

Notes:
bgs: Below ground surface
RCL: Residual contaminant level

PAH: Polynuclear aromatic hydrocarbons
Bold indicates value equals or exceeds the site specific standard

Figures

Figure 1
Site Location Map

Figure 2
Geoprobe Locations (4/19/09)

Figure 3
Site FEMA Flood Plain Map

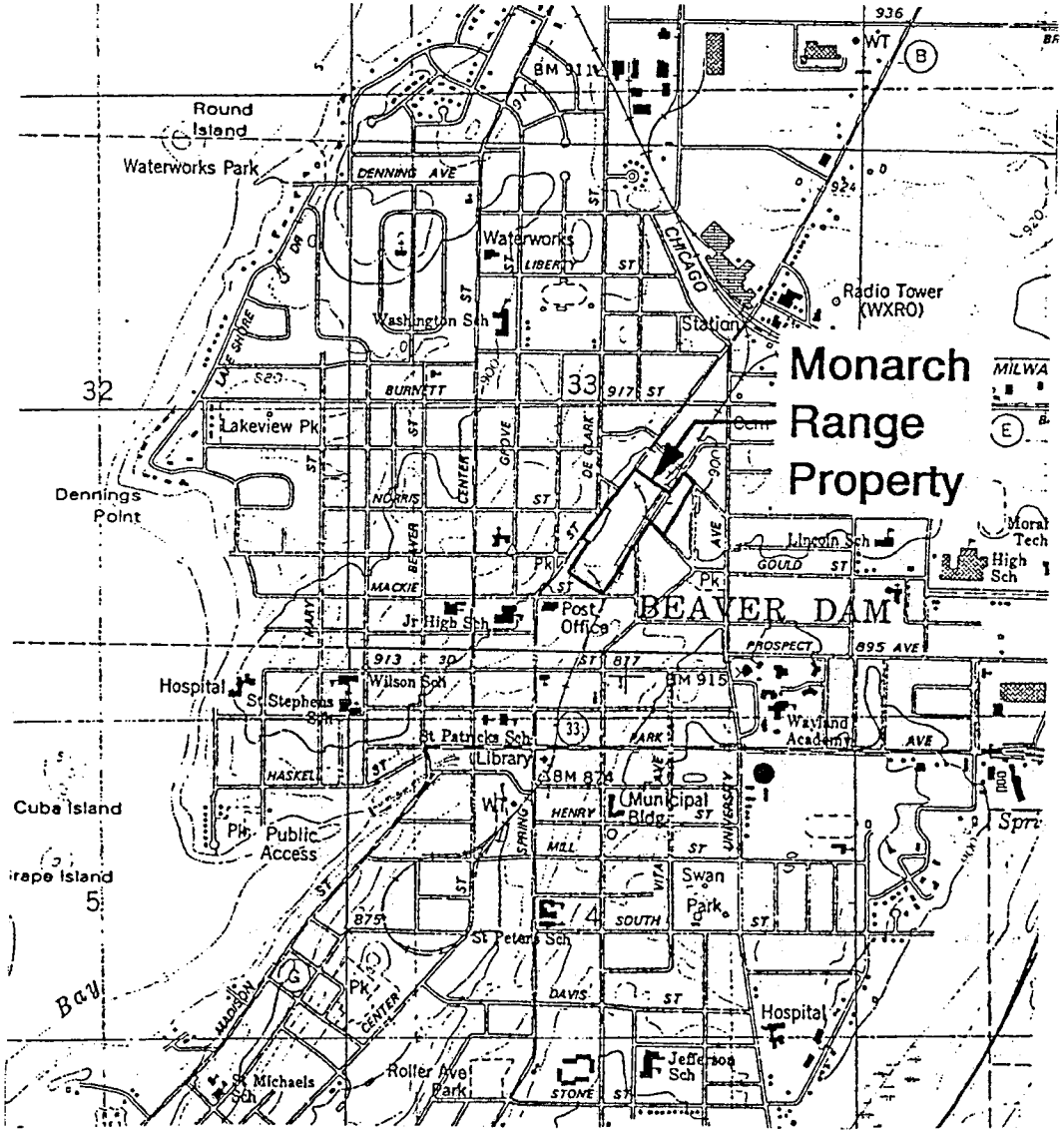

Figure 1
Site Location Map
MIR Site
Beaver Dam, Wisconsin

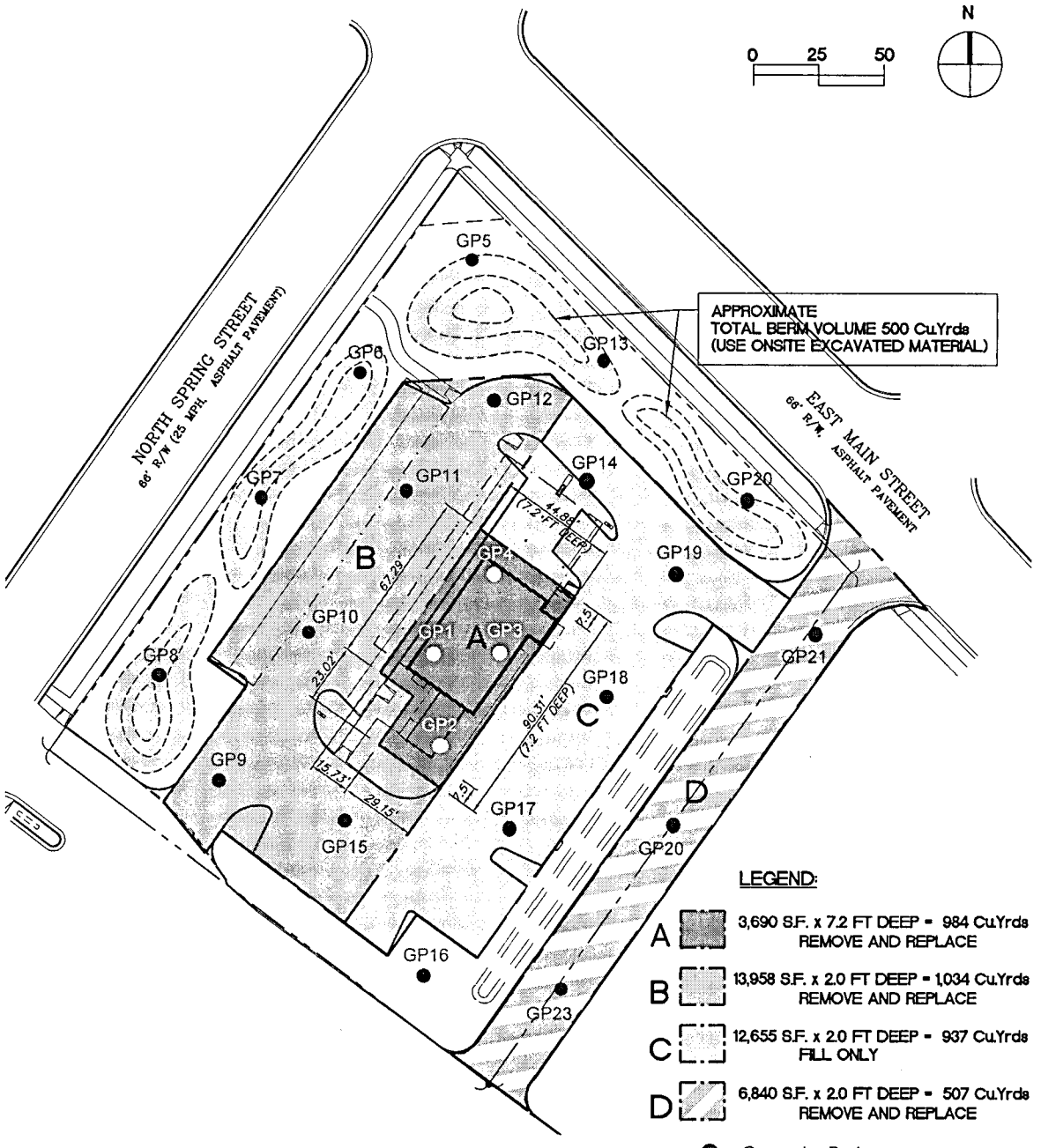

Figure 2
Geoprobe Boring Locations (4/19/09)
MIR Site
Beaver Dam, WI

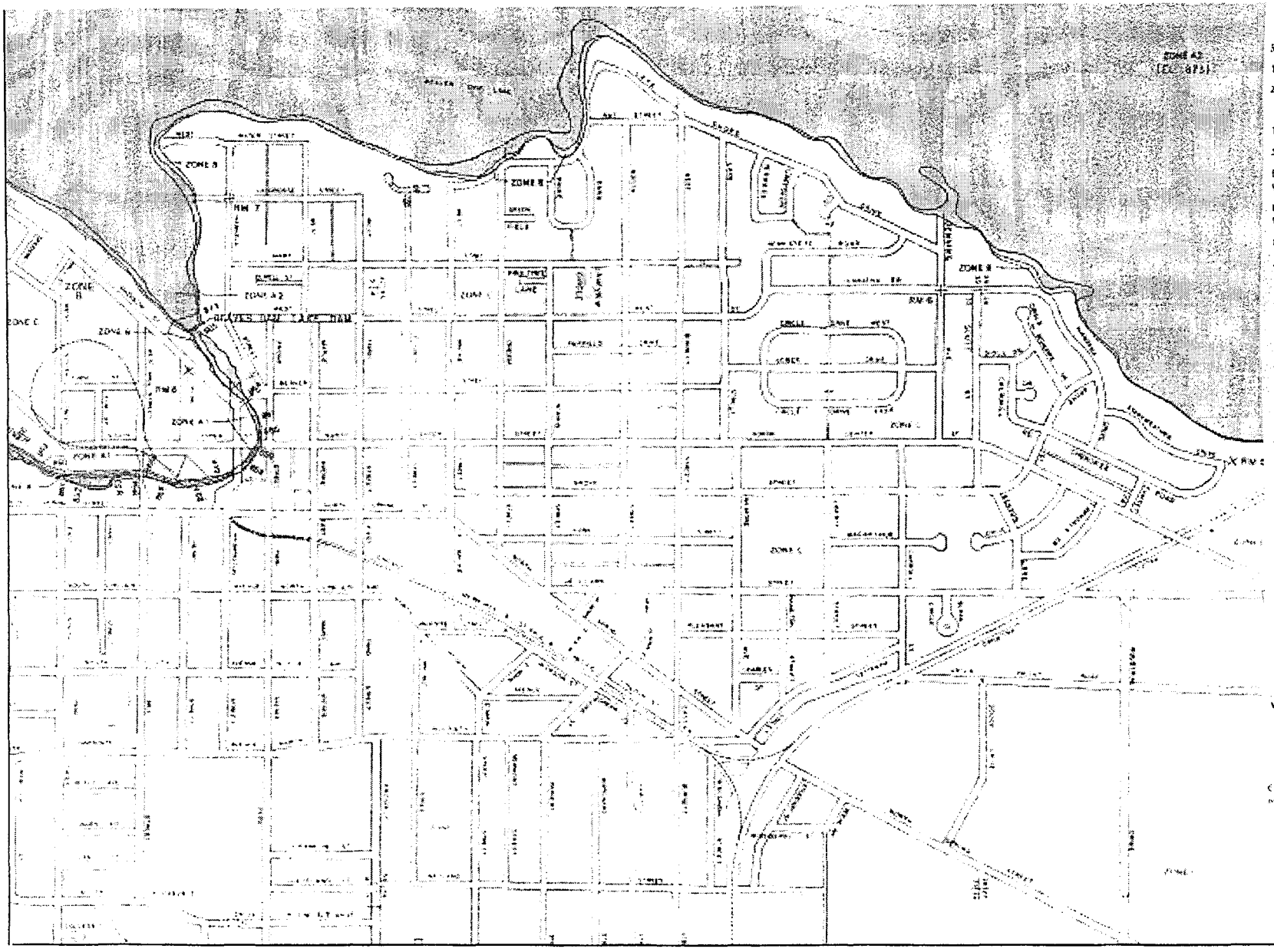

Figure 3
FEMA Flood Plan Map
MIR Site
Beaver Dam, Wisconsin

Appendices

Appendix A
SSRCLs from EPA Web Caluculator

SSRCLS from EPA Web Calculator

Waste and Cleanup Risk Assessment

Site specific soil standards are circled

SSG Home SSG Search

Soil Screening Guidance for Chemicals

Equation Values for Ingestion

Noncarcinogenic Parameter	Value	Carcinogenic Age-adjusted Parameter	Value	Carcinogenic Nonadjusted Parameter	Value
Target Hazard Quotient (unitless)	1	Target Risk (unitless)	1.0E-6	Target Risk (unitless)	1.0E-6
Body Weight (kg)	15	Adult Body Weight (kg)	70	Body Weight (kg)	70
		Child Body Weight (kg)	15		
Exposure Duration (yr)	6	Adult Exposure Duration (yr)	24	Exposure Duration (yr)	25
		Child Exposure Duration (yr)	6		
Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	250
Intake Rate (mg/day)	200	Adult Intake Rate (mg/day)	100	Intake Rate (mg/day)	50
		Child Intake Rate (mg/day)	200		
		Average Lifetime (yr)	70	Average Lifetime (yr)	70
		Age-adjusted Ingestion Factor (mg-yr/kg-day)	114.29		

Soil Screening Levels for Ingestion (mg/kg)

Analyte	Cas Number	Oral RfD	Oral Slope Factor	Noncarcinogenic	Carcinogenic (Age-adjusted)	Carcinogenic (Nonadjusted)
Acenaphthene	83329	6.00E-02 [a]		4.69E+03		
Anthracene	120127	3.00E-01 [a]		2.35E+04		
Arsenic, Inorganic	7440382	3.00E-04 [a]	1.50E+00 [a]	2.35E+01	4.26E-01	3.82E+00
Benzo(a)pyrene	50328		7.30E+00 [a]		8.75E-02	7.84E-01
Fluoranthene	206440	4.00E-02 [a]		3.13E+03		
Fluorene	86737	4.00E-02 [a]		3.13E+03		
Naphthalene	91203	2.00E-02 [a]		1.56E+03		
Pyrene	129000	3.00E-02 [a]		2.35E+03		

Equation Values for Inhalation of Fugitive Dust

Particulate Emission Factor Parameter	Value	Noncarcinogenic Parameter	Value	Carcinogenic Parameter	Value
Surface Area (acres)	0.5	Target Hazard Quotient (unitless)	1	Target Risk (unitless)	1.0E-6
City (climate zone)	Minneapolis(V)	Exposure Duration (yr)	30	Exposure Duration (yr)	30
Q/C (g/m^2-s per kg/m^3)	93.77	Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350
Fraction of vegetative cover (unitless)	0.5			Average Lifetime (yr)	70
Mean annual windspeed (m/s)	5				
Equivalent threshold value of windspeed at 7m (m/s)	11				
Function dependent on U_m/U_t (unitless)	0.2707				

Site specific soil standards are circled

Soil Screening Levels for Inhalation of Fugitive Dust (mg/kg)

Analyte	Cas Number	Inhalation RfC	Inhalation Unit Risk	Particulate Emission Factor	Noncarcinogenic	Carcinogenic
Acenaphthene	83329			7.38E+08		
Anthracene	120127			7.38E+08		
Arsenic, Inorganic	7440382		4.3E-03 [a]	7.38E+08		4.17E+02
Benzo(a)pyrene	50328			7.38E+08		
Fluoranthene	206440			7.38E+08		
Fluorene	86737			7.38E+08		
Naphthalene	91203	3.00E-03 [a]		7.38E+08	2.31E+06	
Pyrene	129000			7.38E+08		

Equation Values for Inhalation of Volatiles

Volatilization Factor Parameter	Value	Soil Saturation Concentration Parameter	Value	Noncarcinogenic Parameter	Value	Carcinogenic Parameter	Value
Surface Area (acres)	0.5			Target Hazard Quotient (unitless)	1	Target Risk (unitless)	1.0E-6
City (climate zone)	Minneapolis(V)			Exposure Duration (yr)	30	Exposure Duration (yr)	30
Q/C (g/m^2-s per kg/m^3)	93.77358			Exposure Frequency (day/yr)	350	Exposure Frequency (day/yr)	350
Fraction organic carbon (unitless)	0.006	Fraction organic carbon (unitless)	0.006			Average Lifetime (yr)	70
Dry soil bulk density (g/cm^3)	1.5	Dry soil bulk density (g/cm^3)	1.5				
Soil particle density (g/cm^3)	2.65	Soil particle density (g/cm^3)	2.65				
Water-filled soil porosity (L_{water}/L_{soil})	0.2	Water-filled soil porosity (L_{water}/L_{soil})	0.2				
Exposure interval (s)	9.5e08						

Soil Screening Levels for Inhalation of Volatiles (mg/kg)

Analyte	Cas Number	Inhalation RfC	Inhalation Unit Risk	Volatilization Factor	Soil Saturation Concentration	Noncarcinogenic	Carcinogenic
Acenaphthene	83329			4.0E+05			
Anthracene	120127			1.4E+06			
Arsenic, Inorganic	7440382		4.3E-03 [a]				
Benzo(a)pyrene	50328			3.0E+07			
Fluoranthene	206440			5.3E+06			
Fluorene	86737			9.3E+05			
Naphthalene	91203	3.0E-03 [a]		1.0E+05		3.3E+02	
Pyrene	129000			6.3E+06			

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This site is maintained and operated through an interagency Agreement between the EPA/OSRTI and Oak Ridge National Laboratory. For questions or comments please contact Dave Crawford in EPA/OSRTI.

Input Data for Baseline Conditions

Imput Data for ProUCL - Baseline Site Conditions
MIR Site
Beaver Dam, Wisconsin

Sample Location	Sample Depth	Naphthalene (by method 8270)	d_Naphthalene (by method 8270)	2-Methylnaphthalene	d_2-Methylnaphthalene	Acenaphthylene	d_Acenaphthylene	Acenaphthene	d_Acenaphthene	Fluorene	d_Fluorene	Phenanthrene	d_Phenanthrene	Anthracene	d_Anthracene	Fluoranthene	d_Fluoranthene	Pyrene	d_Pyrene	Benzo(a)anthracene	d_Benzo(a)anthracene
GP1	2' bgs	25	0	23.8	1	61.7	1	11.6	1	17.5	1	373	1	109	1	559	1	432	1	236	1
GP1	4' bgs	25	0	31.5	1	5.8	1	10.5	1	8.2	1	73.9	1	22	1	35.2	1	28.7	1	17.7	1
GP2	3' bgs	25	0	8.3	1	3.7	1	1.1	0	1.7	1	22.1	1	10	1	36.8	1	28.6	1	20.4	1
GP2	7' bgs	25	0	2.1	0	1.9	0	1	0	1	0	2.6	1	5.1	0	5.6	1	4.3	1	9.4	0
GP3	2' bgs	1.8	1	2.1	0	5.3	1	1	0	1	0	5.9	1	6.5	1	45.2	1	34.3	1	26.8	1
GP3	6' bgs	25	0	2.1	0	1.9	0	1	0	1	0	2.2	0	5.2	0	1.2	0	1.1	0	9.5	0
GP4	4' bgs	25	0	2.3	0	2.1	0	1.2	0	1.1	0	2.5	0	5.7	0	1.4	0	1.3	0	10.4	0
GP4	7' bgs	1.4	0	2.1	0	1.9	0	1	0	1	0	2.2	0	5.1	0	1.2	0	1.1	0	9.3	0
GP5	1.5' bgs	7.3	1	7.2	1	26.4	1	4.3	1	5.4	1	51.3	1	27.9	1	135	1	106	1	59.9	1
GP6	1.5' bgs	7.3	1	4.5	1	34.4	1	2.6	1	4.9	1	80.8	1	39.8	1	228	1	172	1	91	1
GP7	1.5' bgs	25	0	15.9	1	78	1	9.9	1	10.9	1	101	1	85.1	1	265	1	206	1	145	1
GP8	1.5' bgs	5	1	3.3	1	14.2	1	2.5	1	4.4	1	71.1	1	25.8	1	213	1	163	1	80	1
GP9	1.5' bgs	25	0	5.4	1	16.5	1	1.8	1	3.2	1	54.3	1	22.1	1	157	1	118	1	61.7	1
GP10	1.5' bgs	5.6	1	4.3	1	23.5	1	4.5	1	5.1	1	76.1	1	37.4	1	215	1	166	1	96.1	1
GP11	1.5' bgs	25	0	7.5	1	17.6	1	8.6	1	10.3	1	115	1	37.7	1	244	1	179	1	93.1	1
GP12	1.5' bgs	25	0	3.8	1	12.1	1	1.8	1	2.5	1	43.5	1	17.7	1	120	1	91.8	1	50.1	1
GP13	1.5' bgs	12.3	1	15.5	1	16.7	1	1.7	1	2.6	1	68.5	1	25	1	109	1	88.2	1	45.4	1
GP14	1.5' bgs	25	0	2	0	4.4	1	1	1	1.4	1	22.7	1	7.3	1	57.8	1	43.8	1	25.1	1
GP15	1.5' bgs	2.7	1	2.3	0	5.5	1	1.2	0	1.8	1	31.2	1	10	1	90.8	1	68.5	1	33.3	1
GP16	1.5' bgs	25	0	13.6	1	5.8	1	2.1	1	3.3	1	38.1	1	12.3	1	91.2	1	68.1	1	33.5	1
GP17	1.5' bgs	25	0	10.5	1	6.7	1	8.7	1	7	1	51.9	1	17.3	1	106	1	78.5	1	38.6	1
GP18	1.5' bgs	3.8	1	3.3	1	8.8	1	2.1	1	3.2	1	48.5	1	16.4	1	123	1	91.3	1	46.2	1
GP19	1.5' bgs	4.6	1	2.9	1	8.9	1	1.5	1	2.3	1	42.4	1	14.5	1	106	1	78.3	1	38.7	1
GP20	1.5' bgs	25	0	4.7	1	13.8	1	3.1	1	4.2	1	73	1	23	1	133	1	101	1	57.2	1
GP21	1.5' bgs	25	0	8.6	1	14.6	1	8.6	1	18.3	1	170	1	63.1	1	284	1	197	1	108	1
GP22	1.5' bgs	25	0	6.6	1	12.2	1	5.5	1	6.4	1	101	1	34.2	1	206	1	150	1	80.7	1
GP23	1.5' bgs	17.1	1	17.9	1	24.5	1	7.5	1	7.6	1	137	1	47.2	1	357	1	275	1	142	1

Chrysene	d_Chrysene	Benzo(a)pyrene	d_Benzo(a)pyrene	Benzo(b)fluoranthene	d_Benzo(b)fluoranthene	Indeno(1,2,3-cd)pyrene	d_Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	d_Dibenz(a,h)anthracene	Benzo(g,h,i)perylene	d_Benzo(g,h,i)perylene	Benzo(k)fluoranthene	d_Benzo(k)fluoranthene	1-Methylnaphthalene	d_1-Methylnaphthalene	Arsenic	d_Arsenic	Lead	d_lead
254	1	248	1	250	1	151	1	58.3	1	167	1	183	1	18	1	4.4	1	13.9	1
20.4	1	18.3	1	17.2	1	12.5	1	5.8	0	14	1	19	1	20	1	3.1	1	7.7	1
21.6	1	19.2	1	17.7	1	12.2	1	5.3	0	14.4	1	19.5	1	5.8	1	3.8	1	5.5	1
3.9	0	4.1	0	6.4	0	4.7	0	5.2	0	4.7	0	7	0	2.1	0	3.1	1	3.5	1
25.6	1	20.3	1	16.7	1	8.8	1	5.2	0	8.2	1	21.5	1	2.1	0	3.6	1	13.2	1
3.9	0	4.1	0	6.4	0	4.8	0	5.3	0	4.8	0	7	0	2.1	0	2.7	1	3	1
4.3	0	4.5	0	7.1	0	5.3	0	5.8	0	5.3	0	7.8	0	2.3	0	5.6	1	7.2	1
3.8	0	4	0	6.3	0	4.7	0	5.2	0	4.7	0	6.9	0	2.1	0	3	1	2.4	1
79.7	1	74.5	1	76.2	1	54	1	20.9	1	58.6	1	80	1	4.7	1	2.4	1	14.1	1
131	1	122	1	129	1	92.2	1	41.7	1	101	1	98.1	1	3	1	2.3	1	14.4	1
193	1	212	1	202	1	155	1	73.4	1	181	1	164	1	7.3	1	2.3	1	16.6	1
128	1	109	1	131	1	93.8	1	40.6	1	97.1	1	124	1	2.1	0	2	1	15.4	1
89.8	1	80.2	1	91.8	1	62.1	1	27.9	1	58.5	1	84.1	1	3.5	1	2.2	1	15.8	1
110	1	114	1	108	1	76.4	1	30.5	1	71.1	1	113	1	2.9	1	2.2	1	12.4	1
113	1	100	1	104	1	63.8	1	27.5	1	61.5	1	102	1	4.7	1	2.3	1	11.2	1
65.6	1	57	1	62.5	1	39.1	1	19.5	1	39.7	1	57.9	1	2.3	1	2.2	1	15.2	1
59.7	1	53.2	1	51	1	41.1	1	19.2	1	40.5	1	55.4	1	13.5	1	3.8	1	14.3	1
33.8	1	27.5	1	29.8	1	18.6	1	7.8	1	17.7	1	28.9	1	2	0	2.3	1	3.1	1
45.5	1	38.4	1	41.4	1	26.5	1	10.2	1	25.3	1	41.4	1	2.3	0	1.9	1	11.5	1
49.6	1	38.6	1	47.9	1	28.2	1	10.7	1	26.8	1	40.8	1	12.2	1	1.9	1	14.8	1
50.6	1	43	1	45.6	1	27.8	1	10.8	1	28.2	1	48.3	1	6.1	1	2.5	1	17	1
61.5	1	52.1	1	55.6	1	35.9	1	13	1	33.7	1	56.4	1	2.3	0	2.4	1	14	1
58.2	1	46.2	1	55.4	1	33.8	1	12.8	1	34.6	1	52.3	1	2.6	0	1.8	1	11	1
67.3	1	58.7	1	58.3	1	40.1	1	17.2	1	38.7	1	64.1	1	3.8	1	3.5	1	15.6	1
128	1	105	1	110	1	60.4	1	24.8	1	57.4	1	107	1	6.6	1	2.9	1	13.8	1
102	1	83.5	1	91.7	1	57.3	1	25.7	1	55.5	1	88.5	1	4	1	3.2	1	16.4	1
206	1	182	1	214	1	144	1	63.1	1	146	1	232	1	13.5	1	2.2	1	16.2	1

ProUCL Output for Baseline Conditions

Baseline Site Conditions
ProUCL 95% UCL Output

General UCL Statistics for Data Sets with Non-Detects

User Selected Options	
From File	Z:\Users\RPS\MIR data\Copy of MIR_Soil Results Table_04192009.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Naphthalene (by method 8270)

General Statistics

Number of Valid Data	27	Number of Detected Data	10
Number of Distinct Detected Data	9	Number of Non-Detect Data	17
		Percent Non-Detects	62.96%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.8	Minimum Detected	0.588
Maximum Detected	17.1	Maximum Detected	2.839
Mean of Detected	6.75	Mean of Detected	1.71
SD of Detected	4.68	SD of Detected	0.669
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	25	Maximum Non-Detect	3.219

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	27
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.863	Shapiro Wilk Test Statistic	0.985
5% Shapiro Wilk Critical Value	0.842	5% Shapiro Wilk Critical Value	0.842
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	9.933	Mean	2.117
SD	4.337	SD	0.746
95% DL/2 (t) UCL	11.36	95% H-Stat (DL/2) UCL	25.98
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	1.569
		SD in Log Scale	0.778
		Mean in Original Scale	6.321
		SD in Original Scale	4.836
		95% Percentile Bootstrap UCL	7.812
		95% BCA Bootstrap UCL	8.189

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only
k star (bias corrected)	1.928	Data appear Normal at 5% Significance Level
Theta Star	3.501	
nu star	38.56	
A-D Test Statistic	0.233	Nonparametric Statistics

5% A-D Critical Value	0.733	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.733	Mean	6.3
5% K-S Critical Value	0.269	SD	4.466
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	1.419
		95% KM (t) UCL	8.721
Assuming Gamma Distribution		95% KM (z) UCL	8.635
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	8.742
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	10.97
Maximum	17.1	95% KM (BCA) UCL	9.114
Mean	6.843	95% KM (Percentile Bootstrap) UCL	8.833
Median	6.601	95% KM (Chebyshev) UCL	12.49
SD	4.328	97.5% KM (Chebyshev) UCL	15.16
k star	0.359	99% KM (Chebyshev) UCL	20.42
Theta star	19.05		
Nu star	19.4	**Potential UCLs to Use**	
AppChi2	10.41	95% KM (t) UCL	8.721
95% Gamma Approximate UCL	12.75	95% KM (Percentile Bootstrap) UCL	8.833
95% Adjusted Gamma UCL	13.29		
Note: DL/2 is not a recommended method.			

Baseline Site Conditions ProUCL 95% UCL Output

2-Methylnaphthalene

General Statistics

Number of Valid Data	27	Number of Detected Data	20
Number of Distinct Detected Data	19	Number of Non-Detect Data	7
		Percent Non-Detects	25.93%

Raw Statistics		**Log-transformed Statistics**	
Minimum Detected	2.9	Minimum Detected	1.065
Maximum Detected	31.5	Maximum Detected	3.45
Mean of Detected	9.955	Mean of Detected	2.055
SD of Detected	7.659	SD of Detected	0.701
Minimum Non-Detect	2	Minimum Non-Detect	0.693
Maximum Non-Detect	2.3	Maximum Non-Detect	0.833
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	7
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	20
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	25.93%

UCL Statistics

Normal Distribution Test with Detected Values Only		**Lognormal Distribution Test with Detected Values Only**	
Shapiro Wilk Test Statistic	0.828	Shapiro Wilk Test Statistic	0.954
5% Shapiro Wilk Critical Value	0.905	5% Shapiro Wilk Critical Value	0.905
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	7.652	Mean	1.54
SD	7.655	SD	1.071
95% DL/2 (t) UCL	10.16	95% H-Stat (DL/2) UCL	12.46
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	

Mean	6.429	Mean in Log Scale	1.623
SD	9.095	SD in Log Scale	0.966
95% MLE (t) UCL	9.415	Mean in Original Scale	7.77
95% MLE (Tiku) UCL	9.505	SD in Original Scale	7.555
		95% Percentile Bootstrap UCL	10.19
		95% BCA Bootstrap UCL	10.61

Baseline Site Conditions ProUCL 95% UCL Output

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	1.912	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	5.207		
nu star	76.47		
A-D Test Statistic	0.512	Nonparametric Statistics	
5% A-D Critical Value	0.751	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.751	Mean	8.126
5% K-S Critical Value	0.196	SD	7.13
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	1.408
		95% KM (t) UCL	10.53
Assuming Gamma Distribution		95% KM (z) UCL	10.44
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	10.44
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	11.22
Maximum	31.5	95% KM (BCA) UCL	10.49
Mean	8.057	95% KM (Percentile Bootstrap) UCL	10.5
Median	5.4	95% KM (Chebyshev) UCL	14.26
SD	7.386	97.5% KM (Chebyshev) UCL	16.92
k star	0.515	99% KM (Chebyshev) UCL	22.13
Theta star	15.64		
Nu star	27.81	Potential UCLs to Use	
AppChi2	16.78	95% KM (Percentile Bootstrap) UCL	10.5
95% Gamma Approximate UCL	13.35		
95% Adjusted Gamma UCL	13.8		

Note: DL/2 is not a recommended method.

Acenaphthylene

General Statistics

Number of Valid Data	27	Number of Detected Data	23
Number of Distinct Detected Data	22	Number of Non-Detect Data	4
		Percent Non-Detects	14.81%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	3.7	Minimum Detected	1.308
Maximum Detected	78	Maximum Detected	4.357
Mean of Detected	18.31	Mean of Detected	2.566
SD of Detected	18.26	SD of Detected	0.81
Minimum Non-Detect	1.9	Minimum Non-Detect	0.642
Maximum Non-Detect	2.1	Maximum Non-Detect	0.742

Note: Data have multiple DLs - Use of KM Method is recommended	Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),	Number treated as Detected	23
Observations < Largest ND are treated as NDs	Single DL Non-Detect Percentage	14.81%

Baseline Site Conditions ProUCL 95% UCL Output

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.712	Shapiro Wilk Test Statistic	0.96
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	15.74	Mean	2.182
SD	17.93	SD	1.198
95% DL/2 (t) UCL	21.63	95% H-Stat (DL/2) UCL	30.58
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	14.12	Mean in Log Scale	2.289
SD	19.67	SD in Log Scale	1.01
95% MLE (t) UCL	20.58	Mean in Original Scale	15.9
95% MLE (Tiku) UCL	20.42	SD in Original Scale	17.8
		95% Percentile Bootstrap UCL	21.72
		95% BCA Bootstrap UCL	23.54
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.432	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	12.79		
nu star	65.85		
A-D Test Statistic	0.674	**Nonparametric Statistics**	
5% A-D Critical Value	0.759	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.759	Mean	16.14
5% K-S Critical Value	0.185	SD	17.28
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	3.4
		95% KM (t) UCL	21.94
Assuming Gamma Distribution		95% KM (z) UCL	21.74
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	21.85
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	26.21
Maximum	78	95% KM (BCA) UCL	23.29
Mean	15.6	95% KM (Percentile Bootstrap) UCL	22.31
Median	12.1	95% KM (Chebyshev) UCL	30.97
SD	18.06	97.5% KM (Chebyshev) UCL	37.38
k star	0.205	99% KM (Chebyshev) UCL	49.98
Theta star	76.26		
Nu star	11.04	**Potential UCLs to Use**	
AppChi2	4.605	95% KM (BCA) UCL	23.29
95% Gamma Approximate UCL	37.41		
95% Adjusted Gamma UCL	39.68		

Note: DL/2 is not a recommended method.

Acenaphthene

General Statistics

Number of Valid Data	27	Number of Detected Data	20
Number of Distinct Detected Data	17	Number of Non-Detect Data	7
		Percent Non-Detects	25.93%

Baseline Site Conditions ProUCL 95% UCL Output

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1	Minimum Detected	0
Maximum Detected	11.6	Maximum Detected	2.451
Mean of Detected	4.995	Mean of Detected	1.342
SD of Detected	3.53	SD of Detected	0.772
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	1.2	Maximum Non-Detect	0.182
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	8
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	19
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	29.63%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.866	Shapiro Wilk Test Statistic	0.921
5% Shapiro Wilk Critical Value	0.905	5% Shapiro Wilk Critical Value	0.905
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3.839	Mean	0.832
SD	3.615	SD	1.101
95% DL/2 (t) UCL	5.026	95% H-Stat (DL/2) UCL	6.961
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	3.151	Mean in Log Scale	0.886
SD	4.45	SD in Log Scale	1.038
95% MLE (t) UCL	4.612	Mean in Original Scale	3.878
95% MLE (Tiku) UCL	4.693	SD in Original Scale	3.58
		95% Percentile Bootstrap UCL	5.04
		95% BCA Bootstrap UCL	5.073
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.758	Data Follow Appr. Gamma Distribution at 5% Significance Level	
Theta Star	2.842		
nu star	70.3		
A-D Test Statistic	0.777	**Nonparametric Statistics**	
5% A-D Critical Value	0.752	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.752	Mean	3.959
5% K-S Critical Value	0.196	SD	3.44
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.679
		95% KM (t) UCL	5.118
Assuming Gamma Distribution		95% KM (z) UCL	5.076
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	5.037
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	5.297
Maximum	11.6	95% KM (BCA) UCL	5.219
Mean	4.047	95% KM (Percentile Bootstrap) UCL	5.133
Median	2.5	95% KM (Chebyshev) UCL	6.92
SD	3.465	97.5% KM (Chebyshev) UCL	8.201
k star	0.523	99% KM (Chebyshev) UCL	10.72
Theta star	7.736		

Nu star	28.25	Potential UCLs to Use	
AppChi2	17.12	95% KM (Percentile Bootstrap) UCL	5.133
95% Gamma Approximate UCL	6.677		
95% Adjusted Gamma UCL	6.9		

Note: DL/2 is not a recommended method.

Baseline Site Conditions ProUCL 95% UCL Output

Fluorene

General Statistics

Number of Valid Data	27	Number of Detected Data	22
Number of Distinct Detected Data	21	Number of Non-Detect Data	5
		Percent Non-Detects	18.52%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.4	Minimum Detected	0.336
Maximum Detected	18.3	Maximum Detected	2.907
Mean of Detected	6.009	Mean of Detected	1.542
SD of Detected	4.683	SD of Detected	0.718
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	1.1	Maximum Non-Detect	0.0953
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	5
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	18.52%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.817	Shapiro Wilk Test Statistic	0.976
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	4.991	Mean	1.132
SD	4.738	SD	1.089
95% DL/2 (t) UCL	6.546	95% H-Stat (DL/2) UCL	9.221
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	4.504	Mean in Log Scale	1.231
SD	5.322	SD in Log Scale	0.933
95% MLE (t) UCL	6.251	Mean in Original Scale	5.063
95% MLE (Tiku) UCL	6.251	SD in Original Scale	4.671
		95% Percentile Bootstrap UCL	6.605
		95% BCA Bootstrap UCL	6.806
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.88	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	3.195		
nu star	82.74		
A-D Test Statistic	0.369	Nonparametric Statistics	
5% A-D Critical Value	0.755	Kaplan-Meier (KM) Method	

K-S Test Statistic	0.755	Mean	5.156
5% K-S Critical Value	0.188	SD	4.501
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.887
		95% KM (t) UCL	6.668
Assuming Gamma Distribution		95% KM (z) UCL	6.614
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	6.624
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	7.297
Maximum	18.3	95% KM (BCA) UCL	6.93
Mean	5.017	95% KM (Percentile Bootstrap) UCL	6.693
Median	3.3	95% KM (Chebyshev) UCL	9.02
SD	4.723	97.5% KM (Chebyshev) UCL	10.69
k star	0.339	99% KM (Chebyshev) UCL	13.98
Theta star	14.81		
Nu star	18.3	Potential UCLs to Use	
AppChi2	9.606	95% KM (BCA) UCL	6.93
95% Gamma Approximate UCL	9.556		
95% Adjusted Gamma UCL	9.973		

Note: DL/2 is not a recommended method.

Baseline Site Conditions ProUCL 95% UCL Output

Phenanthrene

General Statistics

Number of Valid Data	27	Number of Detected Data	24
Number of Distinct Detected Data	23	Number of Non-Detect Data	3
		Percent Non-Detects	11.11%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	2.6	Minimum Detected	0.956
Maximum Detected	373	Maximum Detected	5.922
Mean of Detected	77.29	Mean of Detected	3.961
SD of Detected	74.52	SD of Detected	1.023
Minimum Non-Detect	2.2	Minimum Non-Detect	0.788
Maximum Non-Detect	2.5	Maximum Non-Detect	0.916

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	24
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	11.11%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.707	Shapiro Wilk Test Statistic	0.897
5% Shapiro Wilk Critical Value	0.916	5% Shapiro Wilk Critical Value	0.916
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	68.83	Mean	3.537
SD	74.21	SD	1.557
95% DL/2 (t) UCL	93.19	95% H-Stat (DL/2) UCL	229.3
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	63.91	Mean in Log Scale	3.723

SD	79.51	SD in Log Scale	1.184
95% MLE (t) UCL	90.01	Mean in Original Scale	69.39
95% MLE (Tiku) UCL	89.25	SD in Original Scale	73.69
		95% Percentile Bootstrap UCL	94.19
		95% BCA Bootstrap UCL	101.9

Baseline Site Conditions ProUCL 95% UCL Output

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	1.287	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	60.07		
nu star	61.76		
A-D Test Statistic	0.508	Nonparametric Statistics	
5% A-D Critical Value	0.763	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.763	Mean	68.99
5% K-S Critical Value	0.181	SD	72.67
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	14.29
		95% KM (t) UCL	93.36
Assuming Gamma Distribution		95% KM (z) UCL	92.49
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	93.05
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	109.8
Maximum	373	95% KM (BCA) UCL	97.9
Mean	68.7	95% KM (Percentile Bootstrap) UCL	94.91
Median	51.9	95% KM (Chebyshev) UCL	131.3
SD	74.33	97.5% KM (Chebyshev) UCL	158.2
k star	0.236	99% KM (Chebyshev) UCL	211.1
Theta star	291		
Nu star	12.75	Potential UCLs to Use	
AppChi2	5.723	95% KM (BCA) UCL	97.9
95% Gamma Approximate UCL	153		
95% Adjusted Gamma UCL	161.5		

Note: DL/2 is not a recommended method.

Anthracene

General Statistics

Number of Valid Data	27	Number of Detected Data	23
Number of Distinct Detected Data	22	Number of Non-Detect Data	4
		Percent Non-Detects	14.81%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	6.5	Minimum Detected	1.872
Maximum Detected	109	Maximum Detected	4.691
Mean of Detected	30.93	Mean of Detected	3.169
SD of Detected	25.24	SD of Detected	0.733
Minimum Non-Detect	5.1	Minimum Non-Detect	1.629
Maximum Non-Detect	5.7	Maximum Non-Detect	1.74

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	14.81%

UCL Statistics

Baseline Site Conditions ProUCL 95% UCL Output

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.799	Shapiro Wilk Test Statistic	0.984
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	26.74	Mean	2.843
SD	25.38	SD	1.044
95% DL/2 (t) UCL	35.07	95% H-Stat (DL/2) UCL	46.39
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	24.76	Mean in Log Scale	2.92
SD	27.66	SD in Log Scale	0.909
95% MLE (t) UCL	33.84	Mean in Original Scale	27.01
95% MLE (Tiku) UCL	33.69	SD in Original Scale	25.12
		95% Percentile Bootstrap UCL	35.02
		95% BCA Bootstrap UCL	36.83
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.817	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	17.02		
nu star	83.6		
A-D Test Statistic	0.36	**Nonparametric Statistics**	
5% A-D Critical Value	0.754	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.754	Mean	27.31
5% K-S Critical Value	0.184	SD	24.38
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	4.798
		95% KM (t) UCL	35.49
Assuming Gamma Distribution		95% KM (z) UCL	35.2
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	35.38
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	39.62
Maximum	109	95% KM (BCA) UCL	35.85
Mean	26.42	95% KM (Percentile Bootstrap) UCL	35.81
Median	22	95% KM (Chebyshev) UCL	48.22
SD	25.7	97.5% KM (Chebyshev) UCL	57.27
k star	0.246	99% KM (Chebyshev) UCL	75.04
Theta star	107.3		
Nu star	13.3	**Potential UCLs to Use**	
AppChi2	6.093	95% KM (BCA) UCL	35.85
95% Gamma Approximate UCL	57.66		
95% Adjusted Gamma UCL	60.75		

Note: DL/2 is not a recommended method.

Fluoranthene

General Statistics

Number of Valid Data	27	Number of Detected Data	24
Number of Distinct Detected Data	23	Number of Non-Detect Data	3
		Percent Non-Detects	11.11%

Baseline Site Conditions ProUCL 95% UCL Output

Raw Statistics		Log-transformed Statistics	
Minimum Detected	5.6	Minimum Detected	1.723
Maximum Detected	559	Maximum Detected	6.326
Mean of Detected	163.4	Mean of Detected	4.778
SD of Detected	122.3	SD of Detected	0.953
Minimum Non-Detect	1.2	Minimum Non-Detect	0.182
Maximum Non-Detect	1.4	Maximum Non-Detect	0.336
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	24
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	11.11%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.878	Shapiro Wilk Test Statistic	0.902
5% Shapiro Wilk Critical Value	0.916	5% Shapiro Wilk Critical Value	0.916
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	145.4	Mean	4.196
SD	126.3	SD	1.902
95% DL/2 (t) UCL	186.8	95% H-Stat (DL/2) UCL	1049
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	137.5	Mean in Log Scale	4.555
SD	136.2	SD in Log Scale	1.104
95% MLE (t) UCL	182.2	Mean in Original Scale	147.1
95% MLE (Tiku) UCL	181.9	SD in Original Scale	124.4
		95% Percentile Bootstrap UCL	187
		95% BCA Bootstrap UCL	194.1
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.53	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	106.8		
nu star	73.45		
A-D Test Statistic	0.273	**Nonparametric Statistics**	
5% A-D Critical Value	0.759	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.759	Mean	145.9
5% K-S Critical Value	0.181	SD	123.3
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	24.25
		95% KM (t) UCL	187.3
Assuming Gamma Distribution		95% KM (z) UCL	185.8
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	185.5
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	197.7
Maximum	559	95% KM (BCA) UCL	189.7
Mean	145.3	95% KM (Percentile Bootstrap) UCL	187.3
Median	120	95% KM (Chebyshev) UCL	251.6
SD	126.4	97.5% KM (Chebyshev) UCL	297.3
k star	0.235	99% KM (Chebyshev) UCL	387.1
Theta star	619.1		
Nu star	12.67	Potential UCLs to Use	

AppChi2	5.673	95% KM (BCA) UCL	189.7
95% Gamma Approximate UCL	324.5		
95% Adjusted Gamma UCL	342.5		

Note: DL/2 is not a recommended method.

Baseline Site Conditions ProUCL 95% UCL Output

Pyrene

General Statistics

Number of Valid Data	27	Number of Detected Data	24
Number of Distinct Detected Data	24	Number of Non-Detect Data	3
		Percent Non-Detects	11.11%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	4.3	Minimum Detected	1.459
Maximum Detected	432	Maximum Detected	6.068
Mean of Detected	123.7	Mean of Detected	4.503
SD of Detected	93.4	SD of Detected	0.944
Minimum Non-Detect	1.1	Minimum Non-Detect	0.0953
Maximum Non-Detect	1.3	Maximum Non-Detect	0.262

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	24
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	11.11%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.867	Shapiro Wilk Test Statistic	0.901
5% Shapiro Wilk Critical Value	0.916	5% Shapiro Wilk Critical Value	0.916
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	

Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	110	Mean	3.942
SD	96.29	SD	1.844
95% DL/2 (t) UCL	141.6	95% H-Stat (DL/2) UCL	693
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	104	Mean in Log Scale	4.282
SD	103.8	SD in Log Scale	1.094
95% MLE (t) UCL	138.1	Mean in Original Scale	111.4
95% MLE (Tiku) UCL	137.8	SD in Original Scale	94.8
		95% Percentile Bootstrap UCL	142.3
		95% BCA Bootstrap UCL	148.3

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	1.545	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	80.1		
nu star	74.14		
A-D Test Statistic	0.277	Nonparametric Statistics	
5% A-D Critical Value	0.759	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.759	Mean	110.5

5% K-S Critical Value	0.181	SD	94.02
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	18.48
		95% KM (t) UCL	142
Assuming Gamma Distribution		95% KM (z) UCL	140.9
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	140.5
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	149.9
Maximum	432	95% KM (BCA) UCL	144.1
Mean	110	95% KM (Percentile Bootstrap) UCL	141.3
Median	91.3	95% KM (Chebyshev) UCL	191
SD	96.37	97.5% KM (Chebyshev) UCL	225.9
k star	0.237	99% KM (Chebyshev) UCL	294.4
Theta star	464.6		
Nu star	12.78	Potential UCLs to Use	
AppChi2	5.747	95% KM (BCA) UCL	144.1
95% Gamma Approximate UCL	244.6		
95% Adjusted Gamma UCL	258.1		
Note: DL/2 is not a recommended method.			

Baseline Site Conditions ProUCL 95% UCL Output

Benzo(a) anthracene

General Statistics

Number of Valid Data	27	Number of Detected Data	23
Number of Distinct Detected Data	23	Number of Non-Detect Data	4
		Percent Non-Detects	14.81%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	17.7	Minimum Detected	2.874
Maximum Detected	236	Maximum Detected	5.464
Mean of Detected	70.72	Mean of Detected	4.044
SD of Detected	51.03	SD of Detected	0.666
Minimum Non-Detect	9.3	Minimum Non-Detect	2.23
Maximum Non-Detect	10.4	Maximum Non-Detect	2.342
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	14.81%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.838	Shapiro Wilk Test Statistic	0.986
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	60.96	Mean	3.678
SD	52.66	SD	1.084
95% DL/2 (t) UCL	78.24	95% H-Stat (DL/2) UCL	109.4
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	56.95	Mean in Log Scale	3.819
SD	57.63	SD in Log Scale	0.823

95% MLE (t) UCL	75.87	Mean in Original Scale	62.09
95% MLE (Tiku) UCL	75.78	SD in Original Scale	51.46
		95% Percentile Bootstrap UCL	79.34
		95% BCA Bootstrap UCL	82.91

Baseline Site Conditions ProUCL 95% UCL Output

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	2.188	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	32.32		
nu star	100.6		
A-D Test Statistic	0.277	Nonparametric Statistics	
5% A-D Critical Value	0.753	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.753	Mean	62.86
5% K-S Critical Value	0.183	SD	49.77
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	9.793
		95% KM (t) UCL	79.57
Assuming Gamma Distribution		95% KM (z) UCL	78.97
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	79.24
Minimum	1.581	95% KM (bootstrap t) UCL	85.63
Maximum	236	95% KM (BCA) UCL	81.3
Mean	60.47	95% KM (Percentile Bootstrap) UCL	79.84
Median	46.2	95% KM (Chebyshev) UCL	105.5
SD	53.2	97.5% KM (Chebyshev) UCL	124
k star	0.897	99% KM (Chebyshev) UCL	160.3
Theta star	67.42		
Nu star	48.44	Potential UCLs to Use	
AppChi2	33.46	95% KM (BCA) UCL	81.3
95% Gamma Approximate UCL	87.54		
95% Adjusted Gamma UCL	89.67		

Note: DL/2 is not a recommended method.

Chrysene

General Statistics

Number of Valid Data	27	Number of Detected Data	23
Number of Distinct Detected Data	22	Number of Non-Detect Data	4
		Percent Non-Detects	14.81%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	20.4	Minimum Detected	3.016
Maximum Detected	254	Maximum Detected	5.537
Mean of Detected	91.04	Mean of Detected	4.296
SD of Detected	61.25	SD of Detected	0.691
Minimum Non-Detect	3.8	Minimum Non-Detect	1.335
Maximum Non-Detect	4.3	Maximum Non-Detect	1.459

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	14.81%

UCL Statistics

Normal Distribution Test with Detected Values Only	Lognormal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	0.888	Shapiro Wilk Test Statistic	0.973
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	77.85	Mean	3.761
SD	64.91	SD	1.453
95% DL/2 (t) UCL	99.15	95% H-Stat (DL/2) UCL	233.5
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	72.46	Mean in Log Scale	4.063
SD	72.11	SD in Log Scale	0.853
95% MLE (t) UCL	96.13	Mean in Original Scale	79.84
95% MLE (Tiku) UCL	96.35	SD in Original Scale	62.64
		95% Percentile Bootstrap UCL	99.64
		95% BCA Bootstrap UCL	101.9
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	2.178	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	41.8		
nu star	100.2		
A-D Test Statistic	0.23	Nonparametric Statistics	
5% A-D Critical Value	0.753	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.753	Mean	80.57
5% K-S Critical Value	0.183	SD	60.72
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	11.95
		95% KM (t) UCL	101
Assuming Gamma Distribution		95% KM (z) UCL	100.2
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	100.8
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	104.8
Maximum	254	95% KM (BCA) UCL	101.6
Mean	78.35	95% KM (Percentile Bootstrap) UCL	100.5
Median	61.5	95% KM (Chebyshev) UCL	132.7
SD	64.34	97.5% KM (Chebyshev) UCL	155.2
k star	0.468	99% KM (Chebyshev) UCL	199.4
Theta star	167.5		
Nu star	25.26	Potential UCLs to Use	
AppChi2	14.81	95% KM (BCA) UCL	101.6
95% Gamma Approximate UCL	133.6		
95% Adjusted Gamma UCL	138.4		

Note: DL/2 is not a recommended method.

Benzo(a)pyrene

General Statistics			
Number of Valid Data	27	Number of Detected Data	23
Number of Distinct Detected Data	23	Number of Non-Detect Data	4
		Percent Non-Detects	14.81%
Raw Statistics		Log-transformed Statistics	

Minimum Detected	18.3	Minimum Detected	2.907
Maximum Detected	248	Maximum Detected	5.513
Mean of Detected	82.73	Mean of Detected	4.166
SD of Detected	61.41	SD of Detected	0.736
Minimum Non-Detect	4	Minimum Non-Detect	1.386
Maximum Non-Detect	4.5	Maximum Non-Detect	1.504
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	14.81%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.856	Shapiro Wilk Test Statistic	0.971
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	70.78	Mean	3.657
SD	63.59	SD	1.415
95% DL/2 (t) UCL	91.65	95% H-Stat (DL/2) UCL	197.5
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	65.36	Mean in Log Scale	3.917
SD	70.47	SD in Log Scale	0.911
95% MLE (t) UCL	88.49	Mean in Original Scale	72.27
95% MLE (Tiku) UCL	88.51	SD in Original Scale	62
		95% Percentile Bootstrap UCL	92.2
		95% BCA Bootstrap UCL	94.55
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.901	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	43.52		
nu star	87.44		
A-D Test Statistic	0.277	**Nonparametric Statistics**	
5% A-D Critical Value	0.754	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.754	Mean	73.18
5% K-S Critical Value	0.184	SD	59.97
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	11.8
		95% KM (t) UCL	93.31
Assuming Gamma Distribution		95% KM (z) UCL	92.59
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	93.15
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	98.73
Maximum	248	95% KM (BCA) UCL	94.44
Mean	70.75	95% KM (Percentile Bootstrap) UCL	93.54
Median	53.2	95% KM (Chebyshev) UCL	124.6
SD	63.63	97.5% KM (Chebyshev) UCL	146.9
k star	0.241	99% KM (Chebyshev) UCL	190.6
Theta star	294.1		
Nu star	12.99	Potential UCLs to Use	
AppChi2	5.887	95% KM (BCA) UCL	94.44

95% Gamma Approximate UCL	156.1
95% Adjusted Gamma UCL	164.7

Note: DL/2 is not a recommended method.

Benzo(b)fluoranthene

General Statistics

Number of Valid Data	27	Number of Detected Data	23
Number of Distinct Detected Data	23	Number of Non-Detect Data	4
		Percent Non-Detects	14.81%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	16.7	Minimum Detected	2.815
Maximum Detected	250	Maximum Detected	5.521
Mean of Detected	87.25	Mean of Detected	4.21
SD of Detected	63.59	SD of Detected	0.767
Minimum Non-Detect	6.3	Minimum Non-Detect	1.841
Maximum Non-Detect	7.1	Maximum Non-Detect	1.96
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	14.81%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.871	Shapiro Wilk Test Statistic	0.958
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	74.81	Mean	3.762
SD	65.92	SD	1.303
95% DL/2 (t) UCL	96.45	95% H-Stat (DL/2) UCL	180.8
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	69.39	Mean in Log Scale	3.955
SD	72.8	SD in Log Scale	0.943
95% MLE (t) UCL	93.29	Mean in Original Scale	76.12
95% MLE (Tiku) UCL	93.29	SD in Original Scale	64.51
		95% Percentile Bootstrap UCL	96.79
		95% BCA Bootstrap UCL	99.42
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.842	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	47.37		
nu star	84.73		
A-D Test Statistic	0.284	**Nonparametric Statistics**	
5% A-D Critical Value	0.754	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.754	Mean	76.8
5% K-S Critical Value	0.184	SD	62.63

Data appear Gamma Distributed at 5% Significance Level		SE of Mean	12.32
		95% KM (t) UCL	97.82
Assuming Gamma Distribution		95% KM (z) UCL	97.07
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	97.7
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	101
Maximum	250	95% KM (BCA) UCL	97.91
Mean	74.62	95% KM (Percentile Bootstrap) UCL	97.77
Median	55.6	95% KM (Chebyshev) UCL	130.5
SD	66.15	97.5% KM (Chebyshev) UCL	153.8
k star	0.24	99% KM (Chebyshev) UCL	199.4
Theta star	311.3		
Nu star	12.95	Potential UCLs to Use	
AppChi2	5.857	95% KM (BCA) UCL	97.91
95% Gamma Approximate UCL	165		
95% Adjusted Gamma UCL	174		
Note: DL/2 is not a recommended method.			

Indeno(1,2,3-cd)pyrene

General Statistics

Number of Valid Data	27	Number of Detected Data	23
Number of Distinct Detected Data	23	Number of Non-Detect Data	4
		Percent Non-Detects	14.81%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	8.8	Minimum Detected	2.175
Maximum Detected	155	Maximum Detected	5.043
Mean of Detected	58.03	Mean of Detected	3.787
SD of Detected	43.32	SD of Detected	0.791
Minimum Non-Detect	4.7	Minimum Non-Detect	1.548
Maximum Non-Detect	5.3	Maximum Non-Detect	1.668
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	14.81%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.859	Shapiro Wilk Test Statistic	0.968
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	49.79	Mean	3.358
SD	44.64	SD	1.277
95% DL/2 (t) UCL	64.44	95% H-Stat (DL/2) UCL	115.3
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	46.13	Mean in Log Scale	3.523
SD	49.22	SD in Log Scale	0.974
95% MLE (t) UCL	62.28	Mean in Original Scale	50.54

95% MLE (Tiku) UCL	62.24	SD in Original Scale	43.85
		95% Percentile Bootstrap UCL	64.93
		95% BCA Bootstrap UCL	65.82

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	1.746	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	33.24		
nu star	80.31		
A-D Test Statistic	0.267	Nonparametric Statistics	
5% A-D Critical Value	0.755	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.755	Mean	50.73
5% K-S Critical Value	0.184	SD	42.84
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	8.429
		95% KM (t) UCL	65.11
Assuming Gamma Distribution		95% KM (z) UCL	64.6
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	64.75
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	68.1
Maximum	155	95% KM (BCA) UCL	66.03
Mean	49.58	95% KM (Percentile Bootstrap) UCL	65.44
Median	39.1	95% KM (Chebyshev) UCL	87.48
SD	44.89	97.5% KM (Chebyshev) UCL	103.4
k star	0.241	99% KM (Chebyshev) UCL	134.6
Theta star	205.6		
Nu star	13.02	Potential UCLs to Use	
AppChi2	5.907	95% KM (BCA) UCL	66.03
95% Gamma Approximate UCL	109.3		
95% Adjusted Gamma UCL	115.2		

Note: DL/2 is not a recommended method.

Dibenz(a,h)anthracene

General Statistics

Number of Valid Data	27	Number of Detected Data	20
Number of Distinct Detected Data	20	Number of Non-Detect Data	7
		Percent Non-Detects	25.93%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	7.8	Minimum Detected	2.054
Maximum Detected	73.4	Maximum Detected	4.296
Mean of Detected	27.78	Mean of Detected	3.125
SD of Detected	18.74	SD of Detected	0.644
Minimum Non-Detect	5.2	Minimum Non-Detect	1.649
Maximum Non-Detect	5.8	Maximum Non-Detect	1.758

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	7
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	20
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	25.93%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.859	Shapiro Wilk Test Statistic	0.966

5% Shapiro Wilk Critical Value	0.905	5% Shapiro Wilk Critical Value	0.905
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	21.28	Mean	2.572
SD	19.55	SD	1.101
95% DL/2 (t) UCL	27.69	95% H-Stat (DL/2) UCL	41.77
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	18.27	Mean in Log Scale	2.732
SD	23.3	SD in Log Scale	0.882
95% MLE (t) UCL	25.91	Mean in Original Scale	21.9
95% MLE (Tiku) UCL	26.2	SD in Original Scale	18.96
		95% Percentile Bootstrap UCL	28.04
		95% BCA Bootstrap UCL	28.48
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	2.302	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	12.07		
nu star	92.09		
A-D Test Statistic	0.389	Nonparametric Statistics	
5% A-D Critical Value	0.749	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.749	Mean	22.6
5% K-S Critical Value	0.195	SD	17.99
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	3.553
		95% KM (t) UCL	28.66
Assuming Gamma Distribution		95% KM (z) UCL	28.44
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	28.26
Minimum	0.428	95% KM (bootstrap t) UCL	30.38
Maximum	73.4	95% KM (BCA) UCL	29.31
Mean	22.85	95% KM (Percentile Bootstrap) UCL	28.98
Median	17.2	95% KM (Chebyshev) UCL	38.09
SD	18.37	97.5% KM (Chebyshev) UCL	44.79
k star	1.368	99% KM (Chebyshev) UCL	57.95
Theta star	16.7		
Nu star	73.87	Potential UCLs to Use	
AppChi2	55.08	95% KM (Percentile Bootstrap) UCL	28.98
95% Gamma Approximate UCL	30.64		
95% Adjusted Gamma UCL	31.23		
Note: DL/2 is not a recommended method.			

Benzo(g,h,i)perylene

General Statistics			
Number of Valid Data	27	Number of Detected Data	23
Number of Distinct Detected Data	23	Number of Non-Detect Data	4
		Percent Non-Detects	14.81%
Raw Statistics		Log-transformed Statistics	
Minimum Detected	8.2	Minimum Detected	2.104

Maximum Detected	181	Maximum Detected	5.198
Mean of Detected	59.85	Mean of Detected	3.797
SD of Detected	48.27	SD of Detected	0.806
Minimum Non-Detect	4.7	Minimum Non-Detect	1.548
Maximum Non-Detect	5.3	Maximum Non-Detect	1.668
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	14.81%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.832	Shapiro Wilk Test Statistic	0.979
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	51.34	Mean	3.366
SD	49.03	SD	1.287
95% DL/2 (t) UCL	67.44	95% H-Stat (DL/2) UCL	117.8
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	47.18	Mean in Log Scale	3.526
SD	54.04	SD in Log Scale	0.995
95% MLE (t) UCL	64.92	Mean in Original Scale	52.05
95% MLE (Tiku) UCL	64.78	SD in Original Scale	48.32
		95% Percentile Bootstrap UCL	68.07
		95% BCA Bootstrap UCL	69.73
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.632	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	36.68		
nu star	75.06		
A-D Test Statistic	0.347	**Nonparametric Statistics**	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	52.2
5% K-S Critical Value	0.184	SD	47.28
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	9.304
		95% KM (t) UCL	68.06
Assuming Gamma Distribution		95% KM (z) UCL	67.5
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	67.48
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	73.63
Maximum	181	95% KM (BCA) UCL	70.61
Mean	51.04	95% KM (Percentile Bootstrap) UCL	68.34
Median	38.7	95% KM (Chebyshev) UCL	92.75
SD	49.34	97.5% KM (Chebyshev) UCL	110.3
k star	0.238	99% KM (Chebyshev) UCL	144.8
Theta star	214.6		
Nu star	12.84	Potential UCLs to Use	
AppChi2	5.786	95% KM (BCA) UCL	70.61
95% Gamma Approximate UCL	113.3		

95% Adjusted Gamma UCL	119.5

Note: DL/2 is not a recommended method.

Benzo(k)fluoranthene

General Statistics

Number of Valid Data	27	Number of Detected Data	23
Number of Distinct Detected Data	23	Number of Non-Detect Data	4
		Percent Non-Detects	14.81%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	19	Minimum Detected	2.944
Maximum Detected	232	Maximum Detected	5.447
Mean of Detected	81.79	Mean of Detected	4.19
SD of Detected	54.55	SD of Detected	0.692
Minimum Non-Detect	6.9	Minimum Non-Detect	1.932
Maximum Non-Detect	7.8	Maximum Non-Detect	2.054
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	14.81%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.896	Shapiro Wilk Test Statistic	0.97
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	70.21	Mean	3.758
SD	57.61	SD	1.232
95% DL/2 (t) UCL	89.12	95% H-Stat (DL/2) UCL	154.1
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	65.72	Mean in Log Scale	3.958
SD	63.53	SD in Log Scale	0.854
95% MLE (t) UCL	86.57	Mean in Original Scale	71.73
95% MLE (Tiku) UCL	86.69	SD in Original Scale	55.88
		95% Percentile Bootstrap UCL	90.9
		95% BCA Bootstrap UCL	92.17
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.19	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	37.34		
nu star	100.8		
A-D Test Statistic	0.191	**Nonparametric Statistics**	
5% A-D Critical Value	0.753	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.753	Mean	72.49
5% K-S Critical Value	0.183	SD	54.06
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	10.64

		95% KM (t) UCL	90.63
Assuming Gamma Distribution		95% KM (z) UCL	89.99
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	90.52
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	95.3
Maximum	232	95% KM (BCA) UCL	93.57
Mean	70.42	95% KM (Percentile Bootstrap) UCL	89.93
Median	56.4	95% KM (Chebyshev) UCL	118.9
SD	57.39	97.5% KM (Chebyshev) UCL	138.9
k star	0.471	99% KM (Chebyshev) UCL	178.3
Theta star	149.4		
Nu star	25.46	Potential UCLs to Use	
AppChi2	14.96	95% KM (BCA) UCL	93.57
95% Gamma Approximate UCL	119.8		
95% Adjusted Gamma UCL	124.1		
Note: DL/2 is not a recommended method.			

1-Methylnaphthalene

General Statistics

Number of Valid Data	27	Number of Detected Data	17
Number of Distinct Detected Data	15	Number of Non-Detect Data	10
		Percent Non-Detects	37.04%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	2.3	Minimum Detected	0.833
Maximum Detected	20	Maximum Detected	2.996
Mean of Detected	7.759	Mean of Detected	1.829
SD of Detected	5.541	SD of Detected	0.671
Minimum Non-Detect	2	Minimum Non-Detect	0.693
Maximum Non-Detect	2.6	Maximum Non-Detect	0.956
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	11
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	16
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	40.74%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.833	Shapiro Wilk Test Statistic	0.938
5% Shapiro Wilk Critical Value	0.892	5% Shapiro Wilk Critical Value	0.892
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	5.293	Mean	1.186
SD	5.444	SD	1.005
95% DL/2 (t) UCL	7.079	95% H-Stat (DL/2) UCL	7.098
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	3.633	Mean in Log Scale	1.21
SD	7.3	SD in Log Scale	1
95% MLE (t) UCL	6.029	Mean in Original Scale	5.342
95% MLE (Tiku) UCL	6.342	SD in Original Scale	5.409

		95% Percentile Bootstrap UCL	7.108
		95% BCA Bootstrap UCL	7.417
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	2.042	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	3.799		
nu star	69.43		
A-D Test Statistic	0.657	Nonparametric Statistics	
5% A-D Critical Value	0.748	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.748	Mean	5.737
5% K-S Critical Value	0.211	SD	5.014
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.995
		95% KM (t) UCL	7.434
Assuming Gamma Distribution		95% KM (z) UCL	7.373
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	7.283
Minimum	1.0000E-9	95% KM (bootstrap t) UCL	7.978
Maximum	20	95% KM (BCA) UCL	7.83
Mean	6.517	95% KM (Percentile Bootstrap) UCL	7.552
Median	4.7	95% KM (Chebyshev) UCL	10.07
SD	4.892	97.5% KM (Chebyshev) UCL	11.95
k star	0.57	99% KM (Chebyshev) UCL	15.63
Theta star	11.44		
Nu star	30.76	Potential UCLs to Use	
AppChi2	19.09	95% KM (Percentile Bootstrap) UCL	7.552
95% Gamma Approximate UCL	10.5		
95% Adjusted Gamma UCL	10.84		

Note: DL/2 is not a recommended method.

Arsenic

General Statistics

Number of Valid Observations	27	Number of Distinct Observations	17
Raw Statistics		Log-transformed Statistics	
Minimum	1.8	Minimum of Log Data	0.588
Maximum	5.6	Maximum of Log Data	1.723
Mean	2.8	Mean of log Data	0.989
Median	2.4	SD of log Data	0.28
SD	0.878		
Coefficient of Variation	0.314		
Skewness	1.506		

Relevant UCL Statistics

Normal Distribution Test		Lognormal Distribution Test	
Shapiro Wilk Test Statistic	0.861	Shapiro Wilk Test Statistic	0.934
Shapiro Wilk Critical Value	0.923	Shapiro Wilk Critical Value	0.923
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
95% Student's-t UCL	3.088	95% H-UCL	3.089
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	3.458

95% Adjusted-CLT UCL	3.13	97.5% Chebyshev (MVUE) UCL	3.746
95% Modified-t UCL	3.096	99% Chebyshev (MVUE) UCL	4.312
Gamma Distribution Test		Data Distribution	
k star (bias corrected)	11.16	Data appear Lognormal at 5% Significance Level	
Theta Star	0.251		
MLE of Mean	2.8		
MLE of Standard Deviation	0.838		
nu star	602.7		
Approximate Chi Square Value (.05)	546.8	Nonparametric Statistics	
Adjusted Level of Significance	0.0401	95% CLT UCL	3.078
Adjusted Chi Square Value	543.4	95% Jackknife UCL	3.088
		95% Standard Bootstrap UCL	3.071
Anderson-Darling Test Statistic	0.81	95% Bootstrap-t UCL	3.166
Anderson-Darling 5% Critical Value	0.744	95% Hall's Bootstrap UCL	3.208
Kolmogorov-Smirnov Test Statistic	0.187	95% Percentile Bootstrap UCL	3.096
Kolmogorov-Smirnov 5% Critical Value	0.168	95% BCA Bootstrap UCL	3.13
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	3.536
		97.5% Chebyshev(Mean, Sd) UCL	3.855
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	4.481
95% Approximate Gamma UCL	3.087		
95% Adjusted Gamma UCL	3.106		
Potential UCL to Use		Use 95% Student's-t UCL	3.088
		or 95% Modified-t UCL	3.096
		or 95% H-UCL	3.089

Lead

General Statistics			
Number of Valid Observations	27	Number of Distinct Observations	27
Raw Statistics		Log-transformed Statistics	
Minimum	2.4	Minimum of Log Data	0.875
Maximum	17	Maximum of Log Data	2.833
Mean	11.82	Mean of log Data	2.34
Median	13.9	SD of log Data	0.597
SD	4.713		
Coefficient of Variation	0.399		
Skewness	-0.974		

Relevant UCL Statistics			
Normal Distribution Test		Lognormal Distribution Test	
Shapiro Wilk Test Statistic	0.837	Shapiro Wilk Test Statistic	0.741
Shapiro Wilk Critical Value	0.923	Shapiro Wilk Critical Value	0.923
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
95% Student's-t UCL	13.37	95% H-UCL	15.79
95% UCLs (Adjusted for Skewness)		95% Chebyshev (MVUE) UCL	18.84
95% Adjusted-CLT UCL	13.13	97.5% Chebyshev (MVUE) UCL	21.66
95% Modified-t UCL	13.34	99% Chebyshev (MVUE) UCL	27.21

Baseline Site Conditions ProUCL 95% UCL Output

Gamma Distribution Test		Data Distribution	
k star (bias corrected)	3.589	Data do not follow a Discernable Distribution (0.05)	
Theta Star	3.294		
MLE of Mean	11.82		
MLE of Standard Deviation	6.24		
nu star	193.8		
Approximate Chi Square Value (.05)	162.6	Nonparametric Statistics	
Adjusted Level of Significance	0.0401	95% CLT UCL	13.31
Adjusted Chi Square Value	160.8	95% Jackknife UCL	13.37
		95% Standard Bootstrap UCL	13.3
Anderson-Darling Test Statistic	2.558	95% Bootstrap-t UCL	13.16
Anderson-Darling 5% Critical Value	0.749	95% Hall's Bootstrap UCL	13.16
Kolmogorov-Smirnov Test Statistic	0.251	95% Percentile Bootstrap UCL	13.32
Kolmogorov-Smirnov 5% Critical Value	0.169	95% BCA Bootstrap UCL	13.1
Data not Gamma Distributed at 5% Significance Level		95% Chebyshev(Mean, Sd) UCL	15.78
		97.5% Chebyshev(Mean, Sd) UCL	17.49
Assuming Gamma Distribution		99% Chebyshev(Mean, Sd) UCL	20.85
95% Approximate Gamma UCL	14.09		
95% Adjusted Gamma UCL	14.25		
Potential UCL to Use		Use 95% Chebyshev (Mean, Sd) UCL	15.78

Input for Post Remedial Site Conditions

Imput Data for ProUCL - Post Remedial Site Conditions
MIR Site
Beaver Dam, Wisconsin

Sample Location	Sample Depth	Naphthalene (by method 8270)	d_Naphthalene (by method 8270)	2-Methylnaphthalene	d_2-Methylnaphthalene	Acenaphthylene	d_Acenaphthylene	Acenaphthene	d_Acenaphthene	Fluorene	d_Fluorene	Phenanthrene	d_Phenanthrene	Anthracene	d_Anthracene	Fluoranthene	d_Fluoranthene	Pyrene	d_Pyrene	Benzo(a)anthracene	d_Benzo(a)anthracene
GP1	4' bgs	25	0	31.5	1	5.8	1	10.5	1	8.2	1	73.9	1	22	1	35.2	1	28.7	1	17.7	1
GP2	3' bgs	25	0	8.3	1	3.7	1	1.1	0	1.7	1	22.1	1	10	1	36.8	1	28.6	1	20.4	1
GP2	7' bgs	25	0	2.1	0	1.9	0	1	0	1	0	2.6	1	5.1	0	5.6	1	4.3	1	9.4	0
GP3	2' bgs	1.8	1	2.1	0	5.3	1	1	0	1	0	5.9	1	6.5	1	45.2	1	34.3	1	26.8	1
GP3	6' bgs	25	0	2.1	0	1.9	0	1	0	1	0	2.2	0	5.2	0	1.2	0	1.1	0	9.5	0
GP4	4' bgs	25	0	2.3	0	2.1	0	1.2	0	1.1	0	2.5	0	5.7	0	1.4	0	1.3	0	10.4	0
GP4	7' bgs	1.4	0	2.1	0	1.9	0	1	0	1	0	2.2	0	5.1	0	1.2	0	1.1	0	9.3	0
GP5	1.5' bgs	7.3	1	7.2	1	26.4	1	4.3	1	5.4	1	51.3	1	27.9	1	135	1	106	1	59.9	1
GP6	1.5' bgs	7.3	1	4.5	1	34.4	1	2.6	1	4.9	1	80.8	1	39.8	1	228	1	172	1	91	1
GP7	1.5' bgs	25	0	15.9	1	78	1	9.9	1	10.9	1	101	1	85.1	1	265	1	206	1	145	1
GP8	1.5' bgs	5	1	3.3	1	14.2	1	2.5	1	4.4	1	71.1	1	25.8	1	213	1	163	1	80	1
GP9	1.5' bgs	25	0	5.4	1	16.5	1	1.8	1	3.2	1	54.3	1	22.1	1	157	1	118	1	61.7	1
GP10	1.5' bgs	5.6	1	4.3	1	23.5	1	4.5	1	5.1	1	76.1	1	37.4	1	215	1	166	1	96.1	1
GP11	1.5' bgs	25	0	7.5	1	17.6	1	8.6	1	10.3	1	115	1	37.7	1	244	1	179	1	93.1	1
GP12	1.5' bgs	25	0	3.8	1	12.1	1	1.8	1	2.5	1	43.5	1	17.7	1	120	1	91.8	1	50.1	1
GP13	1.5' bgs	12.3	1	15.5	1	16.7	1	1.7	1	2.6	1	68.5	1	25	1	109	1	88.2	1	45.4	1
GP14	1.5' bgs	25	0	2	0	4.4	1	1	1	1.4	1	22.7	1	7.3	1	57.8	1	43.8	1	25.1	1
GP15	1.5' bgs	2.7	1	2.3	0	5.5	1	1.2	0	1.8	1	31.2	1	10	1	90.8	1	68.5	1	33.3	1
GP16	1.5' bgs	25	0	13.6	1	5.8	1	2.1	1	3.3	1	38.1	1	12.3	1	91.2	1	68.1	1	33.5	1
GP17	1.5' bgs	25	0	10.5	1	6.7	1	8.7	1	7	1	51.9	1	17.3	1	106	1	78.5	1	38.6	1
GP18	1.5' bgs	3.8	1	3.3	1	8.8	1	2.1	1	3.2	1	48.5	1	16.4	1	123	1	91.3	1	46.2	1
GP19	1.5' bgs	4.6	1	2.9	1	8.9	1	1.5	1	2.3	1	42.4	1	14.5	1	106	1	78.3	1	38.7	1
GP20	1.5' bgs	25	0	4.7	1	13.8	1	3.1	1	4.2	1	73	1	23	1	133	1	101	1	57.2	1
GP21	1.5' bgs	25	0	8.6	1	14.6	1	8.6	1	18.3	1	170	1	63.1	1	284	1	197	1	108	1
GP22	1.5' bgs	25	0	6.6	1	12.2	1	5.5	1	6.4	1	101	1	34.2	1	206	1	150	1	80.7	1
GP23	1.5' bgs	17.1	1	17.9	1	24.5	1	7.5	1	7.6	1	137	1	47.2	1	357	1	275	1	142	1

Chrysene	d_Chrysene	Benzo(a)pyrene	d_Benzo(a)pyrene	Benzo(b)fluoranthene	d_Benzo(b)fluoranthene	Indeno(1,2,3-cd)pyrene	d_Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene	d_Dibenz(a,h)anthracene	Benzo(g,h,i)perylene	d_Benzo(g,h,i)perylene	Benzo(k)fluoranthene	d_Benzo(k)fluoranthene	1-Methylnaphthalene	d_1-Methylnaphthalene	Arsenic	d_Arsenic	Lead	d_lead
20.4	1	18.3	1	17.2	1	12.5	1	5.8	0	14	1	19	1	20	1	3.1	1	7.7	1
21.6	1	19.2	1	17.7	1	12.2	1	5.3	0	14.4	1	19.5	1	5.8	1	3.8	1	5.5	1
3.9	0	4.1	0	6.4	0	4.7	0	5.2	0	4.7	0	7	0	2.1	0	3.1	1	3.5	1
25.6	1	20.3	1	16.7	1	8.8	1	5.2	0	8.2	1	21.5	1	2.1	0	3.6	1	13.2	1
3.9	0	4.1	0	6.4	0	4.8	0	5.3	0	4.8	0	7	0	2.1	0	2.7	1	3	1
4.3	0	4.5	0	7.1	0	5.3	0	5.8	0	5.3	0	7.8	0	2.3	0	5.6	1	7.2	1
3.8	0	4	0	6.3	0	4.7	0	5.2	0	4.7	0	6.9	0	2.1	0	3	1	2.4	1
79.7	1	74.5	1	76.2	1	54	1	20.9	1	58.6	1	80	1	4.7	1	2.4	1	14.1	1
131	1	122	1	129	1	92.2	1	41.7	1	101	1	98.1	1	3	1	2.3	1	14.4	1
193	1	212	1	202	1	155	1	73.4	1	181	1	164	1	7.3	1	2.3	1	16.6	1
128	1	109	1	131	1	93.8	1	40.6	1	97.1	1	124	1	2.1	0	2	1	15.4	1
89.8	1	80.2	1	91.8	1	62.1	1	27.9	1	58.5	1	84.1	1	3.5	1	2.2	1	15.8	1
110	1	114	1	108	1	76.4	1	30.5	1	71.1	1	113	1	2.9	1	2.2	1	12.4	1
113	1	100	1	104	1	63.8	1	27.5	1	61.5	1	102	1	4.7	1	2.3	1	11.2	1
65.6	1	57	1	62.5	1	39.1	1	19.5	1	39.7	1	57.9	1	2.3	1	2.2	1	15.2	1
59.7	1	53.2	1	51	1	41.1	1	19.2	1	40.5	1	55.4	1	13.5	1	3.8	1	14.3	1
33.8	1	27.5	1	29.8	1	18.6	1	7.8	1	17.7	1	28.9	1	2	0	2.3	1	3.1	1
45.5	1	38.4	1	41.4	1	26.5	1	10.2	1	25.3	1	41.4	1	2.3	0	1.9	1	11.5	1
49.6	1	38.6	1	47.9	1	28.2	1	10.7	1	26.8	1	40.8	1	12.2	1	1.9	1	14.8	1
50.6	1	43	1	45.6	1	27.8	1	10.8	1	28.2	1	48.3	1	6.1	1	2.5	1	17	1
61.5	1	52.1	1	55.6	1	35.9	1	13	1	33.7	1	56.4	1	2.3	0	2.4	1	14	1
58.2	1	46.2	1	55.4	1	33.8	1	12.8	1	34.6	1	52.3	1	2.6	0	1.8	1	11	1
67.3	1	58.7	1	58.3	1	40.1	1	17.2	1	38.7	1	64.1	1	3.8	1	3.5	1	15.6	1
128	1	105	1	110	1	60.4	1	24.8	1	57.4	1	107	1	6.6	1	2.9	1	13.8	1
102	1	83.5	1	91.7	1	57.3	1	25.7	1	55.5	1	88.5	1	4	1	3.2	1	16.4	1
206	1	182	1	214	1	144	1	63.1	1	146	1	232	1	13.5	1	2.2	1	16.2	1

ProUCL Output for Post Remedial Conditions

Pro-UCL Post Remedial 95% UCL

General UCL Statistics for Data Sets with Non-Detects

User Selected Options

From File	C:\Documents and Settings\Paul.Overlien\My Documents\Projects\MIR\MIR_Excluding_GP_1_data.wst
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Naphthalene (by method 8270)

General Statistics

Number of Valid Samples	26	Number of Detected Data	10
Number of Unique Samples	9	Number of Non-Detect Data	16
Number of Missing Values	1	Percent Non-Detects	61.54%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.8	Minimum Detected	0.588
Maximum Detected	17.1	Maximum Detected	2.839
Mean of Detected	6.75	Mean of Detected	1.71
SD of Detected	4.68	SD of Detected	0.669
Minimum Non-Detect	1.4	Minimum Non-Detect	0.336
Maximum Non-Detect	25	Maximum Non-Detect	3.219

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	26
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	0
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	100.00%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.863	Shapiro Wilk Test Statistic	0.985
5% Shapiro Wilk Critical Value	0.842	5% Shapiro Wilk Critical Value	0.842
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	

Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	9.835	Mean	2.101
SD	4.392	SD	0.756
95% DL/2 (t) UCL	11.31	95% H-Stat (DL/2) UCL	25.23
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	1.569
		SD in Log Scale	0.775
		Mean in Original Scale	6.302
		SD in Original Scale	4.788
		95% Percentile Bootstrap UCL	7.789
		95% BCA Bootstrap UCL	8.103

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only
k star (bias corrected)	1.928	Data appear Normal at 5% Significance Level
Theta Star	3.501	
nu star	38.56	
A-D Test Statistic	0.233	Nonparametric Statistics

5% A-D Critical Value	0.733	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.733	Mean	6.3
5% K-S Critical Value	0.269	SD	4.466
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	1.419
		95% KM (t) UCL	8.725
Assuming Gamma Distribution		95% KM (z) UCL	8.635
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	8.744
Minimum	0	95% KM (bootstrap t) UCL	11.18
Maximum	17.1	95% KM (BCA) UCL	8.856
Mean	6.824	95% KM (Percentile Bootstrap) UCL	8.838
Median	6.513	95% KM (Chebyshev) UCL	12.49
SD	4.34	97.5% KM (Chebyshev) UCL	15.16
k star	0.35	99% KM (Chebyshev) UCL	20.42
Theta star	19.52		
Nu star	18.18	Potential UCLs to Use	
AppChi2	9.519	95% KM (t) UCL	8.725
95% Gamma Approximate UCL	13.03	95% KM (Percentile Bootstrap) UCL	8.838
95% Adjusted Gamma UCL	13.62		

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

2-Methylnaphthalene

General Statistics			
Number of Valid Samples	26	Number of Detected Data	19
Number of Unique Samples	18	Number of Non-Detect Data	7
Number of Missing Values	1	Percent Non-Detects	26.92%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	2.9	Minimum Detected	1.065
Maximum Detected	31.5	Maximum Detected	3.45
Mean of Detected	9.226	Mean of Detected	1.996
SD of Detected	7.121	SD of Detected	0.668
Minimum Non-Detect	2	Minimum Non-Detect	0.693
Maximum Non-Detect	2.3	Maximum Non-Detect	0.833

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	7
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	19
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	26.92%

UCL Statistics			
Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.797	Shapiro Wilk Test Statistic	0.955
5% Shapiro Wilk Critical Value	0.901	5% Shapiro Wilk Critical Value	0.901
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	7.031	Mean	1.477
SD	7.079	SD	1.041
95% DL/2 (t) UCL	9.402	95% H-Stat (DL/2) UCL	11.29
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	

Mean	5.853	Mean in Log Scale	1.567
SD	8.45	SD in Log Scale	0.928
95% MLE (t) UCL	8.684	Mean in Original Scale	7.158
95% MLE (Tiku) UCL	8.781	SD in Original Scale	6.973
		95% Percentile Bootstrap UCL	9.541
		95% BCA Bootstrap UCL	9.939

Pro-UCL Post Remedial 95% UCL

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	2.03	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	4.545		
nu star	77.14		
A-D Test Statistic	0.501	Nonparametric Statistics	
5% A-D Critical Value	0.75	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.75	Mean	7.523
5% K-S Critical Value	0.201	SD	6.556
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	1.321
		95% KM (t) UCL	9.779
Assuming Gamma Distribution		95% KM (z) UCL	9.696
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	9.688
Minimum	0	95% KM (bootstrap t) UCL	10.94
Maximum	31.5	95% KM (BCA) UCL	10.05
Mean	7.51	95% KM (Percentile Bootstrap) UCL	9.819
Median	5.05	95% KM (Chebyshev) UCL	13.28
SD	6.77	97.5% KM (Chebyshev) UCL	15.77
k star	0.522	99% KM (Chebyshev) UCL	20.67
Theta star	14.39		
Nu star	27.14	Potential UCLs to Use	
AppChi2	16.26	95% KM (Percentile Bootstrap) UCL	9.819
95% Gamma Approximate UCL	12.53		
95% Adjusted Gamma UCL	12.98		

Note: DL/2 is not a recommended method.

Acenaphthylene

General Statistics

Number of Valid Samples	26	Number of Detected Data	22
Number of Unique Samples	21	Number of Non-Detect Data	4
Number of Missing Values	1	Percent Non-Detects	15.38%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	3.7	Minimum Detected	1.308
Maximum Detected	78	Maximum Detected	4.357
Mean of Detected	16.34	Mean of Detected	2.496
SD of Detected	15.99	SD of Detected	0.752
Minimum Non-Detect	1.9	Minimum Non-Detect	0.642
Maximum Non-Detect	2.1	Maximum Non-Detect	0.742

Note: Data have multiple DLs - Use of KM Method is recommended	Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),	Number treated as Detected	22
Observations < Largest ND are treated as NDs	Single DL Non-Detect Percentage	15.38%

Pro-UCL Post Remedial 95% UCL

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.674	Shapiro Wilk Test Statistic	0.964
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	13.97	Mean	2.108
SD	15.7	SD	1.156
95% DL/2 (t) UCL	19.23	95% H-Stat (DL/2) UCL	26.65
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	12.51	Mean in Log Scale	2.229
SD	17.27	SD in Log Scale	0.943
95% MLE (t) UCL	18.3	Mean in Original Scale	14.16
95% MLE (Tiku) UCL	18.17	SD in Original Scale	15.55
		95% Percentile Bootstrap UCL	19.74
		95% BCA Bootstrap UCL	20.78
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.609	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	10.15		
nu star	70.82		
A-D Test Statistic	0.544	**Nonparametric Statistics**	
5% A-D Critical Value	0.757	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.757	Mean	14.39
5% K-S Critical Value	0.188	SD	15.07
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	3.026
		95% KM (t) UCL	19.56
Assuming Gamma Distribution		95% KM (z) UCL	19.37
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	19.46
Minimum	0	95% KM (bootstrap t) UCL	23.59
Maximum	78	95% KM (BCA) UCL	19.95
Mean	13.88	95% KM (Percentile Bootstrap) UCL	20.12
Median	10.5	95% KM (Chebyshev) UCL	27.58
SD	15.79	97.5% KM (Chebyshev) UCL	33.29
k star	0.243	99% KM (Chebyshev) UCL	44.5
Theta star	57.06		
Nu star	12.65	**Potential UCLs to Use**	
AppChi2	5.656	95% KM (BCA) UCL	19.95
95% Gamma Approximate UCL	31.03		
95% Adjusted Gamma UCL	32.81		

Note: DL/2 is not a recommended method.

Acenaphthene

General Statistics

Number of Valid Samples	26	Number of Detected Data	19
Number of Unique Samples	16	Number of Non-Detect Data	7
Number of Missing Values	1	Percent Non-Detects	26.92%

Pro-UCL Post Remedial 95% UCL

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1	Minimum Detected	0
Maximum Detected	10.5	Maximum Detected	2.351
Mean of Detected	4.647	Mean of Detected	1.284
SD of Detected	3.256	SD of Detected	0.747
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	1.2	Maximum Non-Detect	0.182
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	8
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	18
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	30.77%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.854	Shapiro Wilk Test Statistic	0.921
5% Shapiro Wilk Critical Value	0.901	5% Shapiro Wilk Critical Value	0.901
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	3.54	Mean	0.769
SD	3.33	SD	1.073
95% DL/2 (t) UCL	4.656	95% H-Stat (DL/2) UCL	6.283
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	2.881	Mean in Log Scale	0.822
SD	4.124	SD in Log Scale	1.014
95% MLE (t) UCL	4.263	Mean in Original Scale	3.578
95% MLE (Tiku) UCL	4.348	SD in Original Scale	3.297
		95% Percentile Bootstrap UCL	4.654
		95% BCA Bootstrap UCL	4.696
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.83	Data Follow Appr. Gamma Distribution at 5% Significance Level	
Theta Star	2.539		
nu star	69.55		
A-D Test Statistic	0.771	**Nonparametric Statistics**	
5% A-D Critical Value	0.751	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.751	Mean	3.665
5% K-S Critical Value	0.201	SD	3.155
Data follow Appr. Gamma Distribution at 5% Significance Level		SE of Mean	0.636
		95% KM (t) UCL	4.751
Assuming Gamma Distribution		95% KM (z) UCL	4.711
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	4.67
Minimum	0	95% KM (bootstrap t) UCL	4.9
Maximum	10.5	95% KM (BCA) UCL	4.958
Mean	3.774	95% KM (Percentile Bootstrap) UCL	4.777
Median	2.5	95% KM (Chebyshev) UCL	6.437
SD	3.166	97.5% KM (Chebyshev) UCL	7.636
k star	0.524	99% KM (Chebyshev) UCL	9.991
Theta star	7.199		

Nu star	27.26	Potential UCLs to Use	
AppChi2	16.36	95% KM (Percentile Bootstrap) UCL	4.777
95% Gamma Approximate UCL	6.291		
95% Adjusted Gamma UCL	6.514		

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

Fluorene

General Statistics

Number of Valid Samples	26	Number of Detected Data	21
Number of Unique Samples	20	Number of Non-Detect Data	5
Number of Missing Values	1	Percent Non-Detects	19.23%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.4	Minimum Detected	0.336
Maximum Detected	18.3	Maximum Detected	2.907
Mean of Detected	5.462	Mean of Detected	1.479
SD of Detected	4.014	SD of Detected	0.671
Minimum Non-Detect	1	Minimum Non-Detect	0
Maximum Non-Detect	1.1	Maximum Non-Detect	0.0953
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	5
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	21
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	19.23%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.831	Shapiro Wilk Test Statistic	0.986
5% Shapiro Wilk Critical Value	0.908	5% Shapiro Wilk Critical Value	0.908
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	4.51	Mean	1.065
SD	4.105	SD	1.054
95% DL/2 (t) UCL	5.885	95% H-Stat (DL/2) UCL	8.313
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	4.087	Mean in Log Scale	1.177
SD	4.62	SD in Log Scale	0.878
95% MLE (t) UCL	5.635	Mean in Original Scale	4.592
95% MLE (Tiku) UCL	5.643	SD in Original Scale	4.026
		95% Percentile Bootstrap UCL	5.948
		95% BCA Bootstrap UCL	6.119
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.124	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	2.571		
nu star	89.22		
A-D Test Statistic	0.256	Nonparametric Statistics	
5% A-D Critical Value	0.752	Kaplan-Meier (KM) Method	

K-S Test Statistic	0.752	Mean	4.681
5% K-S Critical Value	0.191	SD	3.867
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.777
		95% KM (t) UCL	6.008
Assuming Gamma Distribution		95% KM (z) UCL	5.959
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	5.964
Minimum	0	95% KM (bootstrap t) UCL	6.465
Maximum	18.3	95% KM (BCA) UCL	6.231
Mean	4.586	95% KM (Percentile Bootstrap) UCL	6
Median	3.25	95% KM (Chebyshev) UCL	8.068
SD	4.043	97.5% KM (Chebyshev) UCL	9.534
k star	0.512	99% KM (Chebyshev) UCL	12.41
Theta star	8.949		
Nu star	26.65	Potential UCLs to Use	
AppChi2	15.88	95% KM (BCA) UCL	6.231
95% Gamma Approximate UCL	7.696		
95% Adjusted Gamma UCL	7.972		

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

Phenanthrene

General Statistics

Number of Valid Samples	26	Number of Detected Data	23
Number of Unique Samples	22	Number of Non-Detect Data	3
Number of Missing Values	1	Percent Non-Detects	11.54%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	2.6	Minimum Detected	0.956
Maximum Detected	170	Maximum Detected	5.136
Mean of Detected	64.43	Mean of Detected	3.876
SD of Detected	40.71	SD of Detected	0.954
Minimum Non-Detect	2.2	Minimum Non-Detect	0.788
Maximum Non-Detect	2.5	Maximum Non-Detect	0.916

Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	11.54%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.952	Shapiro Wilk Test Statistic	0.845
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data appear Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	57.13	Mean	3.445
SD	43.4	SD	1.512
95% DL/2 (t) UCL	71.67	95% H-Stat (DL/2) UCL	199.4
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	54.56	Mean in Log Scale	3.653

SD	46.87	SD in Log Scale	1.096
95% MLE (t) UCL	70.26	Mean in Original Scale	57.81
95% MLE (Tiku) UCL	70.34	SD in Original Scale	42.52
		95% Percentile Bootstrap UCL	70.72
		95% BCA Bootstrap UCL	72.28

Pro-UCL Post Remedial 95% UCL

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	1.661	Data appear Normal at 5% Significance Level	
Theta Star	38.79		
nu star	76.41		
A-D Test Statistic	0.464	Nonparametric Statistics	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	57.3
5% K-S Critical Value	0.184	SD	42.34
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	8.49
		95% KM (t) UCL	71.8
Assuming Gamma Distribution		95% KM (z) UCL	71.26
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	71.56
Minimum	0	95% KM (bootstrap t) UCL	73.66
Maximum	170	95% KM (BCA) UCL	72.73
Mean	57.18	95% KM (Percentile Bootstrap) UCL	71.95
Median	51.6	95% KM (Chebyshev) UCL	94.3
SD	43.33	97.5% KM (Chebyshev) UCL	110.3
k star	0.307	99% KM (Chebyshev) UCL	141.8
Theta star	186.5		
Nu star	15.95	Potential UCLs to Use	
AppChi2	7.925	95% KM (t) UCL	71.8
95% Gamma Approximate UCL	115.1	95% KM (Percentile Bootstrap) UCL	71.95
95% Adjusted Gamma UCL	120.8		

Note: DL/2 is not a recommended method.

Anthracene

General Statistics

Number of Valid Samples	26	Number of Detected Data	22
Number of Unique Samples	21	Number of Non-Detect Data	4
Number of Missing Values	1	Percent Non-Detects	15.38%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	6.5	Minimum Detected	1.872
Maximum Detected	85.1	Maximum Detected	4.444
Mean of Detected	27.38	Mean of Detected	3.1
SD of Detected	19.08	SD of Detected	0.669
Minimum Non-Detect	5.1	Minimum Non-Detect	1.629
Maximum Non-Detect	5.7	Maximum Non-Detect	1.74
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	15.38%

UCL Statistics

Pro-UCL Post Remedial 95% UCL

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.858	Shapiro Wilk Test Statistic	0.987
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	23.57	Mean	2.772
SD	19.71	SD	0.995
95% DL/2 (t) UCL	30.18	95% H-Stat (DL/2) UCL	40.7
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	22.14	Mean in Log Scale	2.865
SD	21.47	SD in Log Scale	0.833
95% MLE (t) UCL	29.33	Mean in Original Scale	23.91
95% MLE (Tiku) UCL	29.3	SD in Original Scale	19.35
		95% Percentile Bootstrap UCL	30.4
		95% BCA Bootstrap UCL	31.3
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.223	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	12.32		
nu star	97.81		
A-D Test Statistic	0.197	**Nonparametric Statistics**	
5% A-D Critical Value	0.753	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.753	Mean	24.17
5% K-S Critical Value	0.187	SD	18.73
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	3.759
		95% KM (t) UCL	30.59
Assuming Gamma Distribution		95% KM (z) UCL	30.35
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	30.48
Minimum	0	95% KM (bootstrap t) UCL	32.93
Maximum	85.1	95% KM (BCA) UCL	31
Mean	23.48	95% KM (Percentile Bootstrap) UCL	30.61
Median	19.85	95% KM (Chebyshev) UCL	40.55
SD	19.83	97.5% KM (Chebyshev) UCL	47.64
k star	0.48	99% KM (Chebyshev) UCL	61.57
Theta star	48.92		
Nu star	24.96	**Potential UCLs to Use**	
AppChi2	14.58	95% KM (BCA) UCL	31
95% Gamma Approximate UCL	40.19		
95% Adjusted Gamma UCL	41.69		

Note: DL/2 is not a recommended method.

Fluoranthene

General Statistics			
Number of Valid Samples	26	Number of Detected Data	23
Number of Unique Samples	22	Number of Non-Detect Data	3
Number of Missing Values	1	Percent Non-Detects	11.54%

Pro-UCL Post Remedial 95% UCL

Raw Statistics		Log-transformed Statistics	
Minimum Detected	5.6	Minimum Detected	1.723
Maximum Detected	357	Maximum Detected	5.878
Mean of Detected	146.2	Mean of Detected	4.711
SD of Detected	90.7	SD of Detected	0.914
Minimum Non-Detect	1.2	Minimum Non-Detect	0.182
Maximum Non-Detect	1.4	Maximum Non-Detect	0.336
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	11.54%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.957	Shapiro Wilk Test Statistic	0.864
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data appear Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	129.4	Mean	4.114
SD	97.42	SD	1.89
95% DL/2 (t) UCL	162.1	95% H-Stat (DL/2) UCL	940.3
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	123.5	Mean in Log Scale	4.494
SD	105.7	SD in Log Scale	1.054
95% MLE (t) UCL	158.9	Mean in Original Scale	131.4
95% MLE (Tiku) UCL	159.2	SD in Original Scale	94.91
		95% Percentile Bootstrap UCL	160.5
		95% BCA Bootstrap UCL	163.8
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.742	Data appear Normal at 5% Significance Level	
Theta Star	83.95		
nu star	80.14		
A-D Test Statistic	0.375	**Nonparametric Statistics**	
5% A-D Critical Value	0.755	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.755	Mean	130
5% K-S Critical Value	0.184	SD	94.76
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	19
		95% KM (t) UCL	162.5
Assuming Gamma Distribution		95% KM (z) UCL	161.3
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	161
Minimum	0	95% KM (bootstrap t) UCL	162.4
Maximum	357	95% KM (BCA) UCL	166.6
Mean	129.7	95% KM (Percentile Bootstrap) UCL	162.8
Median	114.5	95% KM (Chebyshev) UCL	212.8
SD	97.01	97.5% KM (Chebyshev) UCL	248.7
k star	0.301	99% KM (Chebyshev) UCL	319.1
Theta star	431.5		
Nu star	15.64	Potential UCLs to Use	

AppChi2	7.706	95% KM (t) UCL	162.5
95% Gamma Approximate UCL	263.3	95% KM (Percentile Bootstrap) UCL	162.8
95% Adjusted Gamma UCL	276.4		

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

Pyrene

General Statistics

Number of Valid Samples	26	Number of Detected Data	23
Number of Unique Samples	23	Number of Non-Detect Data	3
Number of Missing Values	1	Percent Non-Detects	11.54%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	4.3	Minimum Detected	1.459
Maximum Detected	275	Maximum Detected	5.617
Mean of Detected	110.3	Mean of Detected	4.435
SD of Detected	67.91	SD of Detected	0.903
Minimum Non-Detect	1.1	Minimum Non-Detect	0.0953
Maximum Non-Detect	1.3	Maximum Non-Detect	0.262
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	3
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	23
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	11.54%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.958	Shapiro Wilk Test Statistic	0.862
5% Shapiro Wilk Critical Value	0.914	5% Shapiro Wilk Critical Value	0.914
Data appear Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	97.66	Mean	3.86
SD	73.06	SD	1.83
95% DL/2 (t) UCL	122.1	95% H-Stat (DL/2) UCL	615.3
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	93.22	Mean in Log Scale	4.221
SD	79.22	SD in Log Scale	1.041
95% MLE (t) UCL	119.8	Mean in Original Scale	99.14
95% MLE (Tiku) UCL	120	SD in Original Scale	71.11
		95% Percentile Bootstrap UCL	121.5
		95% BCA Bootstrap UCL	124.3
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	1.778	Data appear Normal at 5% Significance Level	
Theta Star	62.05		
nu star	81.78		
A-D Test Statistic	0.371	Nonparametric Statistics	
5% A-D Critical Value	0.755	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.755	Mean	98.09

5% K-S Critical Value	0.184	SD	71.06
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	14.25
		95% KM (t) UCL	122.4
Assuming Gamma Distribution		95% KM (z) UCL	121.5
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	121.2
Minimum	0	95% KM (bootstrap t) UCL	123.1
Maximum	275	95% KM (BCA) UCL	124.5
Mean	97.91	95% KM (Percentile Bootstrap) UCL	123.8
Median	89.75	95% KM (Chebyshev) UCL	160.2
SD	72.73	97.5% KM (Chebyshev) UCL	187.1
k star	0.304	99% KM (Chebyshev) UCL	239.9
Theta star	322		
Nu star	15.81	Potential UCLs to Use	
AppChi2	7.829	95% KM (t) UCL	122.4
95% Gamma Approximate UCL	197.7	95% KM (Percentile Bootstrap) UCL	123.8
95% Adjusted Gamma UCL	207.5		

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

Benzo(a) anthracene

General Statistics

Number of Valid Samples	26	Number of Detected Data	22
Number of Unique Samples	22	Number of Non-Detect Data	4
Number of Missing Values	1	Percent Non-Detects	15.38%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	17.7	Minimum Detected	2.874
Maximum Detected	145	Maximum Detected	4.977
Mean of Detected	63.2	Mean of Detected	3.979
SD of Detected	36.99	SD of Detected	0.604
Minimum Non-Detect	9.3	Minimum Non-Detect	2.23
Maximum Non-Detect	10.4	Maximum Non-Detect	2.342
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	15.38%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.911	Shapiro Wilk Test Statistic	0.973
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	54.22	Mean	3.609
SD	40.13	SD	1.044
95% DL/2 (t) UCL	67.67	95% H-Stat (DL/2) UCL	97.08
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	51.45	Mean in Log Scale	3.769
SD	43.9	SD in Log Scale	0.748

95% MLE (t) UCL	66.15	Mean in Original Scale	55.58
95% MLE (Tiku) UCL	66.32	SD in Original Scale	38.5
		95% Percentile Bootstrap UCL	67.61
		95% BCA Bootstrap UCL	68.69

Pro-UCL Post Remedial 95% UCL

Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	2.753	Data appear Normal at 5% Significance Level	
Theta Star	22.96		
nu star	121.1		
A-D Test Statistic	0.244	Nonparametric Statistics	
5% A-D Critical Value	0.749	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.749	Mean	56.2
5% K-S Critical Value	0.187	SD	37.08
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	7.442
		95% KM (t) UCL	68.92
Assuming Gamma Distribution		95% KM (z) UCL	68.45
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	68.62
Minimum	8.454	95% KM (bootstrap t) UCL	70.38
Maximum	145	95% KM (BCA) UCL	69.23
Mean	54.78	95% KM (Percentile Bootstrap) UCL	69.04
Median	45.8	95% KM (Chebyshev) UCL	88.64
SD	39.43	97.5% KM (Chebyshev) UCL	102.7
k star	1.594	99% KM (Chebyshev) UCL	130.3
Theta star	34.36		
Nu star	82.91	Potential UCLs to Use	
AppChi2	62.92	95% KM (t) UCL	68.92
95% Gamma Approximate UCL	72.18	95% KM (Percentile Bootstrap) UCL	69.04
95% Adjusted Gamma UCL	73.52		

Note: DL/2 is not a recommended method.

Chrysene

General Statistics

Number of Valid Samples	26	Number of Detected Data	22
Number of Unique Samples	21	Number of Non-Detect Data	4
Number of Missing Values	1	Percent Non-Detects	15.38%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	20.4	Minimum Detected	3.016
Maximum Detected	206	Maximum Detected	5.328
Mean of Detected	83.63	Mean of Detected	4.239
SD of Detected	51.07	SD of Detected	0.651
Minimum Non-Detect	3.8	Minimum Non-Detect	1.335
Maximum Non-Detect	4.3	Maximum Non-Detect	1.459
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	15.38%

UCL Statistics

Normal Distribution Test with Detected Values Only	Lognormal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	0.911	Shapiro Wilk Test Statistic	0.965
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data appear Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	71.07	Mean	3.692
SD	55.62	SD	1.437
95% DL/2 (t) UCL	89.7	95% H-Stat (DL/2) UCL	214.5
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	66.41	Mean in Log Scale	4.013
SD	62.09	SD in Log Scale	0.806
95% MLE (t) UCL	87.21	Mean in Original Scale	73.24
95% MLE (Tiku) UCL	87.58	SD in Original Scale	53
		95% Percentile Bootstrap UCL	90.7
		95% BCA Bootstrap UCL	92.94
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	2.47	Data appear Normal at 5% Significance Level	
Theta Star	33.86		
nu star	108.7		
A-D Test Statistic	0.221	Nonparametric Statistics	
5% A-D Critical Value	0.751	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.751	Mean	73.9
5% K-S Critical Value	0.187	SD	51.25
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	10.29
		95% KM (t) UCL	91.48
Assuming Gamma Distribution		95% KM (z) UCL	90.83
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	91.3
Minimum	0	95% KM (bootstrap t) UCL	94.04
Maximum	206	95% KM (BCA) UCL	92.33
Mean	72.22	95% KM (Percentile Bootstrap) UCL	91.2
Median	60.6	95% KM (Chebyshev) UCL	118.7
SD	54.25	97.5% KM (Chebyshev) UCL	138.2
k star	0.489	99% KM (Chebyshev) UCL	176.3
Theta star	147.7		
Nu star	25.43	Potential UCLs to Use	
AppChi2	14.94	95% KM (t) UCL	91.48
95% Gamma Approximate UCL	122.9	95% KM (Percentile Bootstrap) UCL	91.2
95% Adjusted Gamma UCL	127.5		
Note: DL/2 is not a recommended method.			

Pro-UCL Post Remedial 95% UCL

Benzo(a)pyrene

General Statistics			
Number of Valid Samples	26	Number of Detected Data	22
Number of Unique Samples	22	Number of Non-Detect Data	4
Number of Missing Values	1	Percent Non-Detects	15.38%
Raw Statistics		Log-transformed Statistics	

Minimum Detected	18.3	Minimum Detected	2.907
Maximum Detected	212	Maximum Detected	5.357
Mean of Detected	75.21	Mean of Detected	4.104
SD of Detected	50.9	SD of Detected	0.69
Minimum Non-Detect	4	Minimum Non-Detect	1.386
Maximum Non-Detect	4.5	Maximum Non-Detect	1.504
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	15.38%

Pro-UCL Post Remedial 95% UCL

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.884	Shapiro Wilk Test Statistic	0.969
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	63.96	Mean	3.586
SD	53.86	SD	1.392
95% DL/2 (t) UCL	82	95% H-Stat (DL/2) UCL	177.7
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	59.33	Mean in Log Scale	3.863
SD	59.97	SD in Log Scale	0.858
95% MLE (t) UCL	79.42	Mean in Original Scale	65.6
95% MLE (Tiku) UCL	79.61	SD in Original Scale	52.02
		95% Percentile Bootstrap UCL	82.93
		95% BCA Bootstrap UCL	85.13
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.163	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	34.78		
nu star	95.16		
A-D Test Statistic	0.226	**Nonparametric Statistics**	
5% A-D Critical Value	0.753	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.753	Mean	66.46
5% K-S Critical Value	0.187	SD	50.14
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	10.07
		95% KM (t) UCL	83.65
Assuming Gamma Distribution		95% KM (z) UCL	83.01
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	83.5
Minimum	0	95% KM (bootstrap t) UCL	88.15
Maximum	212	95% KM (BCA) UCL	83.92
Mean	64.44	95% KM (Percentile Bootstrap) UCL	84.14
Median	52.65	95% KM (Chebyshev) UCL	110.3
SD	53.33	97.5% KM (Chebyshev) UCL	129.3
k star	0.463	99% KM (Chebyshev) UCL	166.6
Theta star	139.1		
Nu star	24.08	**Potential UCLs to Use**	
AppChi2	13.91	95% KM (BCA) UCL	83.92

95% Gamma Approximate UCL	111.5		
95% Adjusted Gamma UCL	115.8		

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

Benzo(b)fluoranthene

General Statistics

Number of Valid Samples	26	Number of Detected Data	22
Number of Unique Samples	22	Number of Non-Detect Data	4
Number of Missing Values	1	Percent Non-Detects	15.38%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	16.7	Minimum Detected	2.815
Maximum Detected	214	Maximum Detected	5.366
Mean of Detected	79.85	Mean of Detected	4.151
SD of Detected	54.01	SD of Detected	0.728
Minimum Non-Detect	6.3	Minimum Non-Detect	1.841
Maximum Non-Detect	7.1	Maximum Non-Detect	1.96
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	15.38%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.889	Shapiro Wilk Test Statistic	0.952
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	68.07	Mean	3.694
SD	56.96	SD	1.279
95% DL/2 (t) UCL	87.15	95% H-Stat (DL/2) UCL	165.4
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	63.34	Mean in Log Scale	3.9
SD	63.14	SD in Log Scale	0.898
95% MLE (t) UCL	84.49	Mean in Original Scale	69.5
95% MLE (Tiku) UCL	84.64	SD in Original Scale	55.36
		95% Percentile Bootstrap UCL	86.84
		95% BCA Bootstrap UCL	88.34
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.043	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	39.08		
nu star	89.91		
A-D Test Statistic	0.263	**Nonparametric Statistics**	
5% A-D Critical Value	0.754	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.754	Mean	70.14
5% K-S Critical Value	0.187	SD	53.62

Data appear Gamma Distributed at 5% Significance Level		SE of Mean	10.76
		95% KM (t) UCL	88.53
Assuming Gamma Distribution		95% KM (z) UCL	87.84
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	88.41
Minimum	0	95% KM (bootstrap t) UCL	92.16
Maximum	214	95% KM (BCA) UCL	88.92
Mean	68.34	95% KM (Percentile Bootstrap) UCL	88.14
Median	55.5	95% KM (Chebyshev) UCL	117.1
SD	56.68	97.5% KM (Chebyshev) UCL	137.4
k star	0.456	99% KM (Chebyshev) UCL	177.2
Theta star	150		
Nu star	23.69	Potential UCLs to Use	
AppChi2	13.61	95% KM (BCA) UCL	88.92
95% Gamma Approximate UCL	118.9		
95% Adjusted Gamma UCL	123.5		
Note: DL/2 is not a recommended method.			

Pro-UCL Post Remedial 95% UCL

Indeno(1,2,3-cd)pyrene

General Statistics

Number of Valid Samples	26	Number of Detected Data	22
Number of Unique Samples	22	Number of Non-Detect Data	4
Number of Missing Values	1	Percent Non-Detects	15.38%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	8.8	Minimum Detected	2.175
Maximum Detected	155	Maximum Detected	5.043
Mean of Detected	53.8	Mean of Detected	3.731
SD of Detected	39.19	SD of Detected	0.762
Minimum Non-Detect	4.7	Minimum Non-Detect	1.548
Maximum Non-Detect	5.3	Maximum Non-Detect	1.668
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	15.38%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.869	Shapiro Wilk Test Statistic	0.974
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	45.9	Mean	3.294
SD	40.59	SD	1.257
95% DL/2 (t) UCL	59.49	95% H-Stat (DL/2) UCL	107.8
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	42.46	Mean in Log Scale	3.467
SD	44.9	SD in Log Scale	0.943
95% MLE (t) UCL	57.5	Mean in Original Scale	46.69

95% MLE (Tiku) UCL	57.51	SD in Original Scale	39.74
		95% Percentile Bootstrap UCL	60.03
		95% BCA Bootstrap UCL	62.79
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	1.858	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	28.95		
nu star	81.77		
A-D Test Statistic	0.204	Nonparametric Statistics	
5% A-D Critical Value	0.755	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.755	Mean	46.88
5% K-S Critical Value	0.188	SD	38.78
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	7.785
		95% KM (t) UCL	60.17
Assuming Gamma Distribution		95% KM (z) UCL	59.68
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	59.81
Minimum	0	95% KM (bootstrap t) UCL	63
Maximum	155	95% KM (BCA) UCL	61.33
Mean	45.76	95% KM (Percentile Bootstrap) UCL	60.13
Median	37.5	95% KM (Chebyshev) UCL	80.81
SD	40.75	97.5% KM (Chebyshev) UCL	95.49
k star	0.237	99% KM (Chebyshev) UCL	124.3
Theta star	192.7		
Nu star	12.35	Potential UCLs to Use	
AppChi2	5.456	95% KM (BCA) UCL	61.33
95% Gamma Approximate UCL	103.6		
95% Adjusted Gamma UCL	109.6		

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

Dibenz(a,h)anthracene

General Statistics

Number of Valid Samples	26	Number of Detected Data	19
Number of Unique Samples	19	Number of Non-Detect Data	7
Number of Missing Values	1	Percent Non-Detects	26.92%
Raw Statistics		Log-transformed Statistics	
Minimum Detected	7.8	Minimum Detected	2.054
Maximum Detected	73.4	Maximum Detected	4.296
Mean of Detected	26.17	Mean of Detected	3.076
SD of Detected	17.78	SD of Detected	0.621
Minimum Non-Detect	5.2	Minimum Non-Detect	1.649
Maximum Non-Detect	5.8	Maximum Non-Detect	1.758
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	7
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	19
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	26.92%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.837	Shapiro Wilk Test Statistic	0.97

5% Shapiro Wilk Critical Value	0.901	5% Shapiro Wilk Critical Value	0.901
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	19.85	Mean	2.515
SD	18.45	SD	1.08
95% DL/2 (t) UCL	26.03	95% H-Stat (DL/2) UCL	38.85
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	16.87	Mean in Log Scale	2.679
SD	22.11	SD in Log Scale	0.859
95% MLE (t) UCL	24.28	Mean in Original Scale	20.5
95% MLE (Tiku) UCL	24.59	SD in Original Scale	17.86
		95% Percentile Bootstrap UCL	26.72
		95% BCA Bootstrap UCL	27.35
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	2.396	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	10.92		
nu star	91.06		
A-D Test Statistic	0.375	Nonparametric Statistics	
5% A-D Critical Value	0.749	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.749	Mean	21.23
5% K-S Critical Value	0.2	SD	16.89
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	3.403
		95% KM (t) UCL	27.04
Assuming Gamma Distribution		95% KM (z) UCL	26.82
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	26.63
Minimum	1.288	95% KM (bootstrap t) UCL	28.96
Maximum	73.4	95% KM (BCA) UCL	28.36
Mean	21.62	95% KM (Percentile Bootstrap) UCL	27.42
Median	16.73	95% KM (Chebyshev) UCL	36.06
SD	17.16	97.5% KM (Chebyshev) UCL	42.48
k star	1.628	99% KM (Chebyshev) UCL	55.09
Theta star	13.29		
Nu star	84.63	Potential UCLs to Use	
AppChi2	64.43	95% KM (Percentile Bootstrap) UCL	27.42
95% Gamma Approximate UCL	28.4		
95% Adjusted Gamma UCL	28.93		
Note: DL/2 is not a recommended method.			

Pro-UCL Post Remedial 95% UCL

Benzo(g,h,i)perylene

General Statistics			
Number of Valid Samples	26	Number of Detected Data	22
Number of Unique Samples	22	Number of Non-Detect Data	4
Number of Missing Values	1	Percent Non-Detects	15.38%
Raw Statistics		Log-transformed Statistics	
Minimum Detected	8.2	Minimum Detected	2.104

Maximum Detected	181	Maximum Detected	5.198
Mean of Detected	54.98	Mean of Detected	3.737
SD of Detected	43.24	SD of Detected	0.77
Minimum Non-Detect	4.7	Minimum Non-Detect	1.548
Maximum Non-Detect	5.3	Maximum Non-Detect	1.668
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	15.38%

Pro-UCL Post Remedial 95% UCL

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.834	Shapiro Wilk Test Statistic	0.985
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	46.89	Mean	3.299
SD	44.09	SD	1.263
95% DL/2 (t) UCL	61.67	95% H-Stat (DL/2) UCL	108.7
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	43.03	Mean in Log Scale	3.468
SD	48.77	SD in Log Scale	0.956
95% MLE (t) UCL	59.37	Mean in Original Scale	47.66
95% MLE (Tiku) UCL	59.29	SD in Original Scale	43.33
		95% Percentile Bootstrap UCL	62.36
		95% BCA Bootstrap UCL	64.87
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	1.758	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	31.28		
nu star	77.34		
A-D Test Statistic	0.27	Nonparametric Statistics	
5% A-D Critical Value	0.756	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.756	Mean	47.78
5% K-S Critical Value	0.188	SD	42.37
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	8.505
		95% KM (t) UCL	62.31
Assuming Gamma Distribution		95% KM (z) UCL	61.77
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	61.72
Minimum	0	95% KM (bootstrap t) UCL	67.13
Maximum	181	95% KM (BCA) UCL	63.49
Mean	46.7	95% KM (Percentile Bootstrap) UCL	62.47
Median	36.65	95% KM (Chebyshev) UCL	84.85
SD	44.31	97.5% KM (Chebyshev) UCL	100.9
k star	0.236	99% KM (Chebyshev) UCL	132.4
Theta star	198		
Nu star	12.26	Potential UCLs to Use	
AppChi2	5.399	95% KM (BCA) UCL	63.49
95% Gamma Approximate UCL	106		

95% Adjusted Gamma UCL	112.3

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

Benzo(k)fluoranthene

General Statistics

Number of Valid Samples	26	Number of Detected Data	22
Number of Unique Samples	22	Number of Non-Detect Data	4
Number of Missing Values	1	Percent Non-Detects	15.38%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	19	Minimum Detected	2.944
Maximum Detected	232	Maximum Detected	5.447
Mean of Detected	77.19	Mean of Detected	4.143
SD of Detected	51.06	SD of Detected	0.671
Minimum Non-Detect	6.9	Minimum Non-Detect	1.932
Maximum Non-Detect	7.8	Maximum Non-Detect	2.054
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	4
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	22
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	15.38%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.881	Shapiro Wilk Test Statistic	0.97
5% Shapiro Wilk Critical Value	0.911	5% Shapiro Wilk Critical Value	0.911
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	65.87	Mean	3.702
SD	54.07	SD	1.221
95% DL/2 (t) UCL	83.98	95% H-Stat (DL/2) UCL	145.8
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	61.49	Mean in Log Scale	3.91
SD	59.82	SD in Log Scale	0.832
95% MLE (t) UCL	81.53	Mean in Original Scale	67.46
95% MLE (Tiku) UCL	81.68	SD in Original Scale	52.28
		95% Percentile Bootstrap UCL	84.11
		95% BCA Bootstrap UCL	86.88
Gamma Distribution Test with Detected Values Only		**Data Distribution Test with Detected Values Only**	
k star (bias corrected)	2.292	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	33.68		
nu star	100.9		
A-D Test Statistic	0.199	Nonparametric Statistics	
5% A-D Critical Value	0.752	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.752	Mean	68.24
5% K-S Critical Value	0.187	SD	50.47
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	10.13

		95% KM (t) UCL	85.54
Assuming Gamma Distribution		95% KM (z) UCL	84.9
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	85.43
Minimum	0	95% KM (bootstrap t) UCL	89.88
Maximum	232	95% KM (BCA) UCL	86.19
Mean	66.39	95% KM (Percentile Bootstrap) UCL	85.25
Median	55.9	95% KM (Chebyshev) UCL	112.4
SD	53.5	97.5% KM (Chebyshev) UCL	131.5
k star	0.477	99% KM (Chebyshev) UCL	169
Theta star	139.1		
Nu star	24.82	Potential UCLs to Use	
AppChi2	14.47	95% KM (BCA) UCL	86.19
95% Gamma Approximate UCL	113.8		
95% Adjusted Gamma UCL	118.1		
Note: DL/2 is not a recommended method.			

Pro-UCL Post Remedial 95% UCL

1-Methylnaphthalene

General Statistics

Number of Valid Samples	26	Number of Detected Data	16
Number of Unique Samples	14	Number of Non-Detect Data	10
Number of Missing Values	1	Percent Non-Detects	38.46%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	2.3	Minimum Detected	0.833
Maximum Detected	20	Maximum Detected	2.996
Mean of Detected	7.119	Mean of Detected	1.763
SD of Detected	5.032	SD of Detected	0.633
Minimum Non-Detect	2	Minimum Non-Detect	0.693
Maximum Non-Detect	2.6	Maximum Non-Detect	0.956
Note: Data have multiple DLs - Use of KM Method is recommended		Number treated as Non-Detect	11
For all methods (except KM, DL/2, and ROS Methods),		Number treated as Detected	15
Observations < Largest ND are treated as NDs		Single DL Non-Detect Percentage	42.31%

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.82	Shapiro Wilk Test Statistic	0.946
5% Shapiro Wilk Critical Value	0.887	5% Shapiro Wilk Critical Value	0.887
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		**Assuming Lognormal Distribution**	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	4.804	Mean	1.121
SD	4.91	SD	0.964
95% DL/2 (t) UCL	6.449	95% H-Stat (DL/2) UCL	6.477
Maximum Likelihood Estimate(MLE) Method		Log ROS Method	
Mean	3.252	Mean in Log Scale	1.147
SD	6.629	SD in Log Scale	0.958
95% MLE (t) UCL	5.473	Mean in Original Scale	4.857
95% MLE (Tiku) UCL	5.795	SD in Original Scale	4.875

		95% Percentile Bootstrap UCL	6.416
		95% BCA Bootstrap UCL	6.937
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	2.202	Data appear Gamma Distributed at 5% Significance Level	
Theta Star	3.233		
nu star	70.47		
A-D Test Statistic	0.611	Nonparametric Statistics	
5% A-D Critical Value	0.746	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.746	Mean	5.265
5% K-S Critical Value	0.217	SD	4.484
Data appear Gamma Distributed at 5% Significance Level		SE of Mean	0.908
		95% KM (t) UCL	6.817
Assuming Gamma Distribution		95% KM (z) UCL	6.759
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	6.666
Minimum	0	95% KM (bootstrap t) UCL	7.481
Maximum	20	95% KM (BCA) UCL	7.296
Mean	6.085	95% KM (Percentile Bootstrap) UCL	7.023
Median	4.7	95% KM (Chebyshev) UCL	9.224
SD	4.377	97.5% KM (Chebyshev) UCL	10.94
k star	0.569	99% KM (Chebyshev) UCL	14.3
Theta star	10.69		
Nu star	29.59	Potential UCLs to Use	
AppChi2	18.17	95% KM (Percentile Bootstrap) UCL	7.023
95% Gamma Approximate UCL	9.909		
95% Adjusted Gamma UCL	10.24		

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

Arsenic

General Statistics

Number of Valid Samples	26	Number of Detected Data	26
Number of Unique Samples	16	Number of Non-Detect Data	0
Number of Missing Values	1	Percent Non-Detects	0.00%
Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.8	Minimum Detected	0.588
Maximum Detected	5.6	Maximum Detected	1.723
Mean of Detected	2.738	Mean of Detected	0.97
SD of Detected	0.834	SD of Detected	0.268
Minimum Non-Detect	N/A	Minimum Non-Detect	N/A
Maximum Non-Detect	N/A	Maximum Non-Detect	N/A

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.838	Shapiro Wilk Test Statistic	0.927
5% Shapiro Wilk Critical Value	0.92	5% Shapiro Wilk Critical Value	0.92
Data not Normal at 5% Significance Level		Data appear Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	

DL/2 Substitution Method		DL/2 Substitution Method	
Mean	2.738	Mean	0.97
SD	0.834	SD	0.268
95% DL/2 (t) UCL	3.018	95% H-Stat (DL/2) UCL	3.01
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	12.08	Data appear Lognormal at 5% Significance Level	
Theta Star	0.227		
nu star	628		
A-D Test Statistic	0.813	Nonparametric Statistics	
5% A-D Critical Value	0.744	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.744	Mean	2.738
5% K-S Critical Value	0.171	SD	0.818
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.164
		95% KM (t) UCL	3.018
Assuming Gamma Distribution		95% KM (z) UCL	3.007
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	3.018
Minimum	1.8	95% KM (bootstrap t) UCL	3.105
Maximum	5.6	95% KM (BCA) UCL	3.015
Mean	2.738	95% KM (Percentile Bootstrap) UCL	3.019
Median	2.4	95% KM (Chebyshev) UCL	3.451
SD	0.834	97.5% KM (Chebyshev) UCL	3.76
k star	12.08	99% KM (Chebyshev) UCL	4.366
Theta star	0.227		
Nu star	628	Potential UCLs to Use	
AppChi2	570.8	95% KM (Chebyshev) UCL	3.451
95% Gamma Approximate UCL	3.013		
95% Adjusted Gamma UCL	3.032		

Note: DL/2 is not a recommended method.

Pro-UCL Post Remedial 95% UCL

Lead

General Statistics

Number of Valid Samples	26	Number of Detected Data	26
Number of Unique Samples	26	Number of Non-Detect Data	0
Number of Missing Values	1	Percent Non-Detects	0.00%
Raw Statistics		Log-transformed Statistics	
Minimum Detected	2.4	Minimum Detected	0.875
Maximum Detected	17	Maximum Detected	2.833
Mean of Detected	11.74	Mean of Detected	2.329
SD of Detected	4.788	SD of Detected	0.606
Minimum Non-Detect	N/A	Minimum Non-Detect	N/A

Pro-UCL Post Remedial 95% UCL

Maximum Non-Detect	N/A	Maximum Non-Detect	N/A

UCL Statistics

Normal Distribution Test with Detected Values Only		Lognormal Distribution Test with Detected Values Only	
Shapiro Wilk Test Statistic	0.843	Shapiro Wilk Test Statistic	0.751
5% Shapiro Wilk Critical Value	0.92	5% Shapiro Wilk Critical Value	0.92
Data not Normal at 5% Significance Level		Data not Lognormal at 5% Significance Level	
Assuming Normal Distribution		Assuming Lognormal Distribution	
DL/2 Substitution Method		DL/2 Substitution Method	
Mean	11.74	Mean	2.329
SD	4.788	SD	0.606
95% DL/2 (t) UCL	13.35	95% H-Stat (DL/2) UCL	15.82
Maximum Likelihood Estimate(MLE) Method	N/A	Log ROS Method	
MLE method failed to converge properly		Mean in Log Scale	N/A
		SD in Log Scale	N/A
		Mean in Original Scale	N/A
		SD in Original Scale	N/A
		95% Percentile Bootstrap UCL	N/A
		95% BCA Bootstrap UCL	N/A
Gamma Distribution Test with Detected Values Only		Data Distribution Test with Detected Values Only	
k star (bias corrected)	3.46	Data do not follow a Discernable Distribution (0.05)	
Theta Star	3.393		
nu star	179.9		
A-D Test Statistic	2.361	Nonparametric Statistics	
5% A-D Critical Value	0.748	Kaplan-Meier (KM) Method	
K-S Test Statistic	0.748	Mean	11.74
5% K-S Critical Value	0.172	SD	4.695
Data not Gamma Distributed at 5% Significance Level		SE of Mean	0.939
		95% KM (t) UCL	13.35
Assuming Gamma Distribution		95% KM (z) UCL	13.29
Gamma ROS Statistics using Extrapolated Data		95% KM (jackknife) UCL	13.35
Minimum	2.4	95% KM (bootstrap t) UCL	13.1
Maximum	17	95% KM (BCA) UCL	13.28
Mean	11.74	95% KM (Percentile Bootstrap) UCL	13.3
Median	13.9	95% KM (Chebyshev) UCL	15.84
SD	4.788	97.5% KM (Chebyshev) UCL	17.61
k star	3.46	99% KM (Chebyshev) UCL	21.08
Theta star	3.393		
Nu star	179.9	Potential UCLs to Use	
AppChi2	149.9	95% KM (Chebyshev) UCL	15.84
95% Gamma Approximate UCL	14.09		
95% Adjusted Gamma UCL	14.27		

Note: DL/2 is not a recommended method.

02-14-553768

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June 12, 2009

PAID $500.- 6/15/09

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DNR
SOUTH CENTRAL REGION

Denise Nettesheim
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

RE: Fee for WDNR to Review Soil Management Plan for Lot 8, Plat of Monarch Development, to be submitted by Vickie Loveland of Shaw Environmental, Inc., to WDNR

Dear Ms. Nettesheim:

I have enclosed with this letter, Check No. 01533948, dated 06/03/09, issued by Dodge County, Wisconsin, made payable to the Wisconsin Department of Natural Resources, in the amount of $500.00. This check represents the fee required by the WDNR to review the Soil Management Plan for Lot 8, Plat of Monarch Development, to be submitted by Vickie Loveland of Shaw Environmental, Inc.

I am sending this check to you in advance of your receipt of the Soil Management Plan.

If you have any questions, or if I can otherwise be of service to you, please contact me.

Sincerely,

John F. Corey
Corporation Counsel

JFC:kl
Enclosure

cc: Victoria L. Loveland, Engineer 3
Shaw Environmental, Inc.
3708 Hilltop Avenue
Wausau, WI 54401